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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST COMMODITY/ALT INVESTMENTS FUTURES

01A
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PG01A BULLETIN #123@ EXCHANGE SUMMARY VOLUME AND OPEN INTEREST COMMODITY/ALT INVESTMENTS FUTURES Wed, Jun 27, 2018 PG01A

EXCHANGE OVERALL VOLUME AND OPEN INTEREST TOTALS

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST | & CHGE | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| * CME GROUP TOTALS- | | | | | | | | | |
| EXCHANGE | 17752875 | 989053 | 588140 | 19330068 | 114622459 | + | 996183 | 16309054 | 112344043 |
| EXCHANGE FUTURES | 15141381 | 47541 | 399970 | 15588892 | 54079691 | + | 189903 | 13517351 | 53989442 |
| EXCHANGE OPTIONS | 2611494 | 941512 | 186310 | 3739316 | 60514036 | + | 804931 | 2790833 | 58306083 |
| OTC TOTALS- | | | | | | | | | |
| OTC CLEARED ONLY | | | 1860 | 1860 | 28732 | + | 1349 | 870 | 48518 |
| FUTURES & OPTIONS- | | | | | | | | | |
| COMM & ALT INVST | 1595067 | 41087 | 49943 | 1686097 | 8740875 | - | 8743 | 1773814 | 7300990 |
| FUTURES ONLY- | | | | | | | | | |
| COMM & ALT INVST | 1435824 | 1659 | 47583 | 1485066 | 5139842 | - | 73134 | 1564647 | 4252571 |
| OPTIONS ONLY- | | | | | | | | | |
| COMM & ALT INVST | 159243 | 39428 | 500 | 199171 | 3576063 | + | 63042 | 208297 | 3016963 |
| FORWARD SWAPS ONLY- | | | | | | | | | |
| COMM & ALT INVST | | | 1860 | 1860 | 24970 | + | 1349 | 870 | 31456 |
| OPTIONS FORWARD SWAPS ONLY- | | | | | | | | | |

COMMODITY/ALT INVESTMENTS FUTURES

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| C | CORN FUTURES | 494594 | 660 | 16685 | 511939 | 1862065 | - | 23739 | 618917 | 1353760 |
| S | SOYBEAN FUTURES | 287874 | 581 | 9918 | 298373 | 808844 | - | 29448 | 306039 | 673062 |
| BO | SOYBEAN OIL FUTURES | 174909 | | 5255 | 180164 | 492386 | - | 7766 | 191354 | 370954 |
| W | WHEAT FUTURES | 159206 | 352 | 998 | 160556 | 475214 | - | 3666 | 117366 | 401348 |
| SM | SOYBEAN MEAL FUTURES | 150476 | 66 | 7600 | 158142 | 497248 | + | 1945 | 141137 | 378069 |
| KEF | KC WHEAT FUTURES | 68098 | | 5049 | 73147 | 241739 | - | 8180 | 80879 | 253444 |
| LC | LIVE CATTLE FUTURES | 42161 | | 20 | 42181 | 325758 | - | 1629 | 46860 | 383087 |
| LH | LEAN HOG FUTURES | 42022 | | | 42022 | 229187 | + | 848 | 42038 | 257903 |
| FC | FEEDER CATTLE FUTURE | 7280 | | | 7280 | 46742 | + | 458 | 11708 | 56155 |
| BWF | BLACK SEA WHEAT FIN STL PLATTS FUT | | | 1900 | 1900 | 23000 | + | 1100 | | |
| DA | MILK FUTURES | 1715 | | | 1715 | 23837 | + | 69 | 1051 | 31319 |
| RRF | ROUGH RICE FUTURES | 1508 | | | 1508 | 7844 | - | 363 | 1432 | 9583 |
| LB | LUMBER FUTURES | 1318 | | 5 | 1323 | 6200 | - | 5 | 980 | 4298 |
| YK | MINI SOYBEAN FUTURES | 1141 | | | 1141 | 27208 | - | 1600 | 874 | 16663 |
| O | OATS FUTURES | 1011 | | | 1011 | 4975 | - | 109 | 1156 | 6045 |
| CSC | CASH-SETTLED CHEESE FUT | 835 | | | 835 | 26128 | + | 139 | 381 | 25136 |
| YC | MINI CORN FUTURES | 659 | | | 659 | 12930 | - | 910 | 685 | 5926 |
| YW | MINI WHEAT FUTURES | 487 | | 3 | 490 | 1909 | - | 414 | 333 | 1627 |
| CB | BUTTER (CASH STLD) FUTURES | 230 | | | 230 | 7634 | + | 63 | 40 | 6177 |
| NF | CASH NONFAT DRY MILK FUTURES | 180 | | | 180 | 6572 | + | 19 | 91 | 6836 |
| UME | UREA (GRANULAR) FOB MIDDLE EAST FUT | | | 150 | 150 | 1610 | | | | |
| DY | DRY WHEY FUTURES | 114 | | | 114 | 4076 | + | 53 | 36 | 5082 |
| DK | CLASS IV MILK FUTURES | 6 | | | 6 | 1558 | + | 1 | 35 | 3850 |
| WEU | EU MILLING WHEAT FUTURES | | | | | | | | 1255 | 989 |
| CPO | USD DENOMINATED CRUDE PALM OIL FUT | | | | | 4600 | | | | 1248 |
| BCF | BLACK SEA CORN FIN STL PLATTS FUT | | | | | 520 | | | | |
| YO | NYMEX SUGAR 11 FUTURES | | | | | 58 | | | | 8 |
| TT | NYMEX COTTON FUTURES | | | | | | | | | 2 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT.I IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.
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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST COMMODITY/ALT INVESTMENTS FUTURES

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SC4 AUG-NOV SOYBEAN CAL SPRD OPT | C | | | | | | | | | 53 |
| TOTAL AUG-NOV SOYBEAN CAL SPRD OPT | | | | | | | | | | 53 |
| CB0 BUTTER (CASH STLD) OPTIONS | C | 4 | 30 | | 34 | 7921 | + | 4 | 123 | 2413 |
| CB0 BUTTER (CASH STLD) OPTIONS | P | 74 | 20 | | 94 | 7683 | - | 6 | 121 | 2747 |
| TOTAL BUTTER (CASH STLD) OPTIONS | | 78 | 50 | | 128 | 15604 | - | 2 | 244 | 5160 |
| NZ CASH NONFAT DRY MILK OPTIONS | C | | | | | 7689 | | | 2 | 3867 |
| NZ CASH NONFAT DRY MILK OPTIONS | P | | | | | 9294 | | | | 4890 |
| TOTAL CASH NONFAT DRY MILK OPTIONS | | | | | | 16983 | | | 2 | 8757 |
| OSC CASH-SETTLED CHEESE OPT | C | 198 | 42 | | 240 | 18692 | + | 169 | 10 | 13053 |
| OSC CASH-SETTLED CHEESE OPT | P | 504 | 134 | | 638 | 22033 | + | 222 | | 16060 |
| TOTAL CASH-SETTLED CHEESE OPT | | 702 | 176 | | 878 | 40725 | + | 391 | 10 | 29113 |
| DZ CLASS IV MILK OPTIONS | C | 4 | | | 4 | 1479 | - | 2 | 18 | 2185 |
| DZ CLASS IV MILK OPTIONS | P | 12 | | | 12 | 2432 | - | 8 | 31 | 4071 |
| TOTAL CLASS IV MILK OPTIONS | | 16 | | | 16 | 3911 | - | 10 | 49 | 6256 |
| PY CORN OPTIONS | C | 35636 | 18168 | 500 | 54304 | 1019815 | + | 9497 | 62594 | 697507 |
| PY CORN OPTIONS | P | 17907 | 2846 | | 20753 | 563546 | + | 7434 | 37178 | 517650 |
| TOTAL CORN OPTIONS | | 53543 | 21014 | 500 | 75057 | 1583361 | + | 16931 | 99772 | 1215157 |
| PY1 CORN WEEK1 OPTIONS | C | 19 | | | 19 | 1334 | + | 18 | 2006 | 4385 |
| PY1 CORN WEEK1 OPTIONS | P | 5 | | | 5 | 1323 | + | 4 | 344 | 987 |
| TOTAL CORN WEEK1 OPTIONS | | 24 | | | 24 | 2657 | + | 22 | 2350 | 5372 |
| PY2 CORN WEEK2 OPTIONS | C | | | | | 5 | | | 52 | 1738 |
| PY2 CORN WEEK2 OPTIONS | P | | | | | 1 | | | 2 | 10 |
| TOTAL CORN WEEK2 OPTIONS | | | | | | 6 | | | 54 | 1748 |
| PY5 CORN WEEK5 OPTIONS | C | 135 | 1477 | | 1612 | 4679 | + | 1503 | 819 | 2626 |
| PY5 CORN WEEK5 OPTIONS | P | 211 | 477 | | 688 | 2003 | + | 502 | 412 | 2656 |
| TOTAL CORN WEEK5 OPTIONS | | 346 | 1954 | | 2300 | 6682 | + | 2005 | 1231 | 5282 |
| CCZ DEC-DEC CORN CAL SPRD OPT | C | | | | | 1956 | | | | 4444 |
| CCZ DEC-DEC CORN CAL SPRD OPT | P | | | | | 1173 | | | | 1124 |
| TOTAL DEC-DEC CORN CAL SPRD OPT | | | | | | 3129 | | | | 5568 |
| 8CC DEC-JULY CORN CAL SPRD OPT | C | | 1100 | | 1100 | 2160 | + | 1100 | | 5690 |
| 8CC DEC-JULY CORN CAL SPRD OPT | P | | 500 | | 500 | 1000 | + | 500 | | 6200 |
| TOTAL DEC-JULY CORN CAL SPRD OPT | | | 1600 | | 1600 | 3160 | + | 1600 | | 11890 |
| DY0 DRY WHEY OPTIONS | C | 15 | | | 15 | 1839 | + | 15 | | 559 |
| DY0 DRY WHEY OPTIONS | P | | | | | 1441 | | | | 663 |
| TOTAL DRY WHEY OPTIONS | | 15 | | | 15 | 3280 | + | 15 | | 1222 |
| WE0 EU WHEAT OPTIONS | C | | | | | | | | | 100 |
| TOTAL EU WHEAT OPTIONS | | | | | | | | | | 100 |
| ZF FEEDER CATTLE OPTIONS | C | 286 | 55 | | 341 | 11504 | + | 25 | 341 | 18516 |
| ZF FEEDER CATTLE OPTIONS | P | 357 | 66 | | 423 | 18312 | + | 86 | 513 | 24620 |
| TOTAL FEEDER CATTLE OPTIONS | | 643 | 121 | | 764 | 29816 | + | 111 | 854 | 43136 |
| K7C KC HRW CALENDAR SPREAD OPTION | C | | | | | 800 | | | | |
| K7C KC HRW CALENDAR SPREAD OPTION | P | | 100 | | 100 | 3536 | + | 100 | | 20 |
| TOTAL KC HRW CALENDAR SPREAD OPTION | | | 100 | | 100 | 4336 | + | 100 | | 20 |
| OKE KC WHEAT OPTIONS | C | 1083 | 21 | | 1104 | 23506 | + | 440 | 480 | 24296 |
| OKE KC WHEAT OPTIONS | P | 599 | 63 | | 662 | 17585 | + | 117 | 662 | 15862 |
| TOTAL KC WHEAT OPTIONS | | 1682 | 84 | | 1766 | 41091 | + | 557 | 1142 | 40158 |
| NH LEAN HOG OPTIONS | C | 4682 | 436 | | 5118 | 65988 | + | 3012 | 5751 | 75173 |
| NH LEAN HOG OPTIONS | P | 5133 | 1060 | | 6193 | 80487 | + | 2359 | 7000 | 96916 |
| TOTAL LEAN HOG OPTIONS | | 9815 | 1496 | | 11311 | 146475 | + | 5371 | 12751 | 172089 |
| C0A LIVE CATTLE 2 MONTH CAL SPRD OPT | C | | | | | | | | | 5 |
| C0A LIVE CATTLE 2 MONTH CAL SPRD OPT | P | | | | | 22 | | | | 335 |
| TOTAL LIVE CATTLE 2 MONTH CAL SPRD OPT | | | | | | 22 | | | | 340 |
| C0B LIVE CATTLE 4 MONTH CAL SPRD OPT | C | | | | | 2 | | | | |
| C0B LIVE CATTLE 4 MONTH CAL SPRD OPT | P | | | | | 14 | | | | |
| TOTAL LIVE CATTLE 4 MONTH CAL SPRD OPT | | | | | | 16 | | | | |
| OK LIVE CATTLE OPTIONS | C | 2761 | 153 | | 2914 | 77960 | + | 540 | 3644 | 85782 |
| OK LIVE CATTLE OPTIONS | P | 3002 | 939 | | 3941 | 100226 | + | 1029 | 3828 | 110790 |
| TOTAL LIVE CATTLE OPTIONS | | 5763 | 1092 | | 6855 | 178186 | + | 1569 | 7472 | 196572 |
| ZL LUMBER OPTIONS | C | 34 | | | 34 | 1213 | + | 21 | 24 | 887 |
| ZL LUMBER OPTIONS | P | 13 | | | 13 | 1356 | + | 1 | 122 | 660 |
| TOTAL LUMBER OPTIONS | | 47 | | | 47 | 2569 | + | 22 | 146 | 1547 |
| JQ MILK MIDI OPTIONS | C | | | | | 165 | | | | 230 |
| JQ MILK MIDI OPTIONS | P | | | | | 184 | | | | 338 |
| TOTAL MILK MIDI OPTIONS | | | | | | 349 | | | | 568 |
| OA MILK OPTIONS | C | 757 | 120 | | 877 | 40695 | + | 487 | 700 | 30067 |
| OA MILK OPTIONS | P | 1033 | 68 | | 1101 | 43520 | + | 434 | 1129 | 43524 |
| TOTAL MILK OPTIONS | | 1790 | 188 | | 1978 | 84215 | + | 921 | 1829 | 73591 |
| PYC NEARBY CORN CAL SPRD OPT | C | | | | | 1308 | | | | 1555 |
| PYC NEARBY CORN CAL SPRD OPT | P | | | | | 4870 | | | | 2130 |
| TOTAL NEARBY CORN CAL SPRD OPT | | | | | | 6178 | | | | 3685 |
| ZSC NEARBY SOYBEAN CAL SPRD OPT | C | | | | | 10 | | | | 1100 |
| ZSC NEARBY SOYBEAN CAL SPRD OPT | P | | | | | | | | | 10 |
| TOTAL NEARBY SOYBEAN CAL SPRD OPT | | | | | | 10 | | | | 1110 |
| WZC NEARBY WHEAT CAL SPRD OPT | C | | | | | 500 | | | | |
| WZC NEARBY WHEAT CAL SPRD OPT | P | 125 | | | 125 | 700 | - | 125 | | 275 |
| TOTAL NEARBY WHEAT CAL SPRD OPT | | 125 | | | 125 | 1200 | - | 125 | | 275 |
| SX9 NOV-JULY SOYBEAN CAL SPRD OPT | C | | | | | | | | | 325 |
| SX9 NOV-JULY SOYBEAN CAL SPRD OPT | P | | | | | | | | | 300 |
| TOTAL NOV-JULY SOYBEAN CAL SPRD OPT | | | | | | | | | | 625 |
| SC3 NOV-MAR SOYBEAN CSO | P | | | | | 70 | | | | |
| TOTAL NOV-MAR SOYBEAN CSO | | | | | | 70 | | | | |
| SCX NOV-NOV SOYBEAN CAL SPRD OPT | C | | | | | 5 | | | | 35 |
| SCX NOV-NOV SOYBEAN CAL SPRD OPT | P | | | | | | | | | 38 |
| TOTAL NOV-NOV SOYBEAN CAL SPRD OPT | | | | | | 5 | | | | 73 |
| OO OATS OPTIONS | C | | | | | 270 | | | 49 | 1489 |
| OO OATS OPTIONS | P | 6 | | | 6 | 299 | | | 16 | 802 |
| TOTAL OATS OPTIONS | | 6 | | | 6 | 569 | | | 65 | 2291 |
| RRC ROUGH RICE OPTIONS | C | 12 | | | 12 | 331 | | | 5 | 1222 |
| RRC ROUGH RICE OPTIONS | P | | | | | 794 | | | 61 | 1186 |
| TOTAL ROUGH RICE OPTIONS | | 12 | | | 12 | 1125 | | | 66 | 2408 |
| SM5 SEP-DEC SOYBEAN MEAL CSO | C | | 50 | | 50 | 200 | | | | |
| SM5 SEP-DEC SOYBEAN MEAL CSO | P | | | | | 200 | | | | |
| TOTAL SEP-DEC SOYBEAN MEAL CSO | | | 50 | | 50 | 400 | | | | |
| CDF SHORT DATED CORN OPTIONS | C | 3184 | 796 | | 3980 | 100423 | + | 118 | 5259 | 68973 |
| CDF SHORT DATED CORN OPTIONS | P | 1106 | 337 | | 1443 | 33628 | + | 178 | 1124 | 24462 |
| TOTAL SHORT DATED CORN OPTIONS | | 4290 | 1133 | | 5423 | 134051 | + | 296 | 6383 | 93435 |
| WDF SHORT DATED NEW CROP WHEAT OPTIONS | C | | | | | 14 | | | 1 | 13 |
| WDF SHORT DATED NEW CROP WHEAT OPTIONS | P | | | | | | | | 1 | 1 |
| TOTAL SHORT DATED NEW CROP WHEAT OPTIONS | | | | | | 14 | | | 2 | 14 |
| SDF SHORT DATED SOYBEAN OPTIONS | C | 1426 | 5 | | 1431 | 19138 | + | 691 | 1457 | 11849 |
| SDF SHORT DATED SOYBEAN OPTIONS | P | 442 | 7 | | 449 | 10957 | + | 274 | 390 | 7781 |
| TOTAL SHORT DATED SOYBEAN OPTIONS | | 1868 | 12 | | 1880 | 30095 | + | 965 | 1847 | 19630 |
| ODF SHORT-DATED SOYBEAN MEAL OPTION | C | | | | | 4060 | | | | 45 |
| ODF SHORT-DATED SOYBEAN MEAL OPTION | P | | | | | 25 | | | | |
| TOTAL SHORT-DATED SOYBEAN MEAL OPTION | | | | | | 4085 | | | | 45 |
| 31 SOYBEAN CRUSH OPTIONS | C | | | | | 40 | | | | 250 |
| 31 SOYBEAN CRUSH OPTIONS | P | | | | | 7 | | | | |
| TOTAL SOYBEAN CRUSH OPTIONS | | | | | | 47 | | | | 250 |
| MY SOYBEAN MEAL OPTIONS | C | 6760 | 929 | | 7689 | 114427 | + | 5128 | 1578 | 70764 |
| MY SOYBEAN MEAL OPTIONS | P | 1189 | 278 | | 1467 | 62724 | + | 823 | 666 | 45416 |

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST COMMODITY/ALT INVESTMENTS OPTIONS ON FUTURES

01A
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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOTAL SOYBEAN MEAL OPTIONS | | 7949 | 1207 | 9156 | 177151 | + | 5951 | 2244 | 116180 |
| MZ1 SOYBEAN MEAL WK1 OPTIONS | C | | | | 55 | | | | 55 |
| TOTAL SOYBEAN MEAL WK1 OPTIONS | | | | | 55 | | | | 55 |
| MZ5 SOYBEAN MEAL WK5 OPTIONS | C | | | | 55 | | | 78 | 137 |
| MZ5 SOYBEAN MEAL WK5 OPTIONS | P | | | | | | | 98 | 106 |
| TOTAL SOYBEAN MEAL WK5 OPTIONS | | | | | 55 | | | 176 | 243 |
| OYC SOYBEAN OIL OPTIONS | C | 630 | 36 | 666 | 37773 | + | 330 | 2230 | 54532 |
| OYC SOYBEAN OIL OPTIONS | P | 164 | 520 | 684 | 32604 | + | 105 | 798 | 32819 |
| TOTAL SOYBEAN OIL OPTIONS | | 794 | 556 | 1350 | 70377 | + | 435 | 3028 | 87351 |
| CZO SOYBEAN OPTIONS | C | 35551 | 4033 | 39584 | 417318 | + | 13072 | 28815 | 370937 |
| CZO SOYBEAN OPTIONS | P | 12423 | 2303 | 14726 | 229582 | + | 3057 | 15895 | 237988 |
| TOTAL SOYBEAN OPTIONS | | 47974 | 6336 | 54310 | 646900 | + | 16129 | 44710 | 608925 |
| CZ1 SOYBEAN WEEK1 OPTIONS | C | 50 | | 50 | 127 | + | 44 | 166 | 250 |
| CZ1 SOYBEAN WEEK1 OPTIONS | P | 112 | 600 | 712 | 788 | + | 712 | 15 | 332 |
| TOTAL SOYBEAN WEEK1 OPTIONS | | 162 | 600 | 762 | 915 | + | 756 | 181 | 582 |
| CZ2 SOYBEAN WEEK2 OPTIONS | C | 1 | | 1 | 17 | + | 1 | 2 | 112 |
| CZ2 SOYBEAN WEEK2 OPTIONS | P | | | | 18 | | | 1 | 1 |
| TOTAL SOYBEAN WEEK2 OPTIONS | | 1 | | 1 | 35 | + | 1 | 3 | 113 |
| CZ5 SOYBEAN WEEK5 OPTIONS | C | 444 | | 444 | 2634 | + | 396 | 98 | 1197 |
| CZ5 SOYBEAN WEEK5 OPTIONS | P | 248 | | 248 | 2009 | + | 206 | 64 | 1613 |
| TOTAL SOYBEAN WEEK5 OPTIONS | | 692 | | 692 | 4643 | + | 602 | 162 | 2810 |
| WZ WHEAT OPTIONS | C | 14825 | 759 | 15584 | 182917 | + | 4668 | 11902 | 153177 |
| WZ WHEAT OPTIONS | P | 6039 | 900 | 6939 | 148212 | + | 3723 | 9608 | 99346 |
| TOTAL WHEAT OPTIONS | | 20864 | 1659 | 22523 | 331129 | + | 8391 | 21510 | 252523 |
| WZ1 WHEAT WEEK1 OPTIONS | C | 11 | | 11 | 11 | + | 11 | 5 | 7 |
| WZ1 WHEAT WEEK1 OPTIONS | P | 26 | | 26 | 29 | + | 24 | | |
| TOTAL WHEAT WEEK1 OPTIONS | | 37 | | 37 | 40 | + | 35 | 5 | 7 |
| WZ2 WHEAT WEEK2 OPTIONS | P | | | | 6 | | | | |
| TOTAL WHEAT WEEK2 OPTIONS | | | | | 6 | | | | |
| WZ5 WHEAT WEEK5 OPTIONS | C | 2 | | 2 | 29 | + | 1 | 2 | 28 |
| WZ5 WHEAT WEEK5 OPTIONS | P | 3 | | 3 | 6 | + | 2 | 7 | 6 |
| TOTAL WHEAT WEEK5 OPTIONS | | 5 | | 5 | 35 | + | 3 | 9 | 34 |
| XCW WHEAT-CORN ICSO OPT | C | | | | 50 | | | | 400 |
| XCW WHEAT-CORN ICSO OPT | P | | | | 250 | | | | 200 |
| TOTAL WHEAT-CORN ICSO OPT | | | | | 300 | | | | 600 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT.IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.
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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST FX FUTURES

01B
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**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL

PG01B BULLETIN #123@ EXCHANGE SUMMARY VOLUME AND OPEN INTEREST FX FUTURES Wed, Jun 27, 2018 PG01B

EXCHANGE OVERALL VOLUME AND OPEN INTEREST TOTALS

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST | & CHGE | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| * CME GROUP TOTALS- | | | | | | | | | |
| EXCHANGE | 17752875 | 989053 | 588140 | 19330068 | 114622459 | + | 996183 | 16309054 | 112344043 |
| EXCHANGE FUTURES | 15141381 | 47541 | 399970 | 15588892 | 54079691 | + | 189903 | 13517351 | 53989442 |
| EXCHANGE OPTIONS | 2611494 | 941512 | 186310 | 3739316 | 60514036 | + | 804931 | 2790833 | 58306083 |
| OTC TOTALS- | | | | | | | | | |
| OTC CLEARED ONLY | | | 1860 | 1860 | 28732 | + | 1349 | 870 | 48518 |
| FUTURES & OPTIONS- | | | | | | | | | |
| FX | 1123830 | 59 | 10370 | 1134259 | 2348788 | + | 28217 | 1311709 | 2234571 |
| FUTURES ONLY- | | | | | | | | | |
| FX | 1058510 | 4 | 10370 | 1068884 | 1594319 | + | 20393 | 1187367 | 1521670 |
| OPTIONS ONLY- | | | | | | | | | |
| FX | 65320 | 55 | | 65375 | 754469 | + | 7824 | 124342 | 712901 |
| FORWARD SWAPS ONLY- | | | | | | | | | |
| OPTIONS FORWARD SWAPS ONLY- | | | | | | | | | |

FX FUTURES AND OPTIONS

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| EC | EURO FX FUTURES | 306734 | 4 | 653 | 307391 | 485045 | + | 3662 | 389834 | 409383 |
| JY | JAPANESE YEN FUTURE | 173494 | | 158 | 173652 | 156271 | + | 2705 | 175401 | 183470 |
| AD | AUSTRALIAN DLR FUTURES | 141246 | | 374 | 141620 | 138785 | + | 990 | 103619 | 96662 |
| BP | BRITISH POUND FUTURE | 132171 | | 743 | 132914 | 176964 | + | 7341 | 190079 | 193083 |
| CD | CANADIAN DOLLAR FUTURE | 104542 | | 220 | 104762 | 162605 | + | 3372 | 124568 | 139472 |
| MP | MEXICAN PESO FUTURE | 66789 | | 2661 | 69450 | 143489 | - | 7012 | 42465 | 213112 |
| NE | NEW ZEALAND DOLLAR FUTURES | 39787 | | 551 | 40338 | 48332 | + | 3306 | 28835 | 58187 |
| BR | BRAZILIAN REAL FUTURE | 21960 | | 4212 | 26172 | 51580 | + | 1894 | 16280 | 19553 |
| SF | SWISS FRANC FUTURES | 22035 | | 264 | 22299 | 94788 | + | 1855 | 46766 | 37017 |
| M6E | E-MICRO EUR/USD FUTURES | 14936 | | | 14936 | 6447 | + | 494 | 21581 | 6206 |
| M6A | E-MICRO AUD/USD FUTURES | 7591 | | | 7591 | 2075 | - | 9 | 4976 | 1053 |
| SIR | INR/USD FUTURE | 4741 | | | 4741 | 1831 | + | 480 | 1933 | 1843 |
| E7 | E-MINI EURO FX FUTURES | 4338 | | | 4338 | 12688 | + | 76 | 8288 | 14554 |
| RY | EC/JY CROSS RATE FUTURES | 3207 | | 390 | 3597 | 27145 | + | 435 | 6358 | 22354 |
| RU | RUSSIAN RUBLE FUTURES | 2972 | | | 2972 | 19827 | + | 55 | 3440 | 33859 |
| RP | EC/BP CROSS RATE FUTURES | 2678 | | 101 | 2779 | 33360 | + | 92 | 6553 | 34163 |
| RA | S. AFRICAN RAND FUTURES | 1873 | | | 1873 | 6943 | + | 10 | 1353 | 29229 |
| MJY | E-MICRO JPY/USD | 1830 | | | 1830 | 1093 | + | 99 | 1260 | 1027 |
| M6B | E-MICRO GBP/USD FUTURES | 1733 | | | 1733 | 1752 | + | 109 | 3386 | 2526 |
| MCD | E-MICRO CAD/USD FUTURES | 821 | | | 821 | 1958 | - | 25 | 1510 | 1529 |
| J7 | E-MINI JAPANESE YEN FUTURE | 649 | | | 649 | 467 | + | 39 | 2466 | 604 |
| RF | EC/SF X/RATE FUTURES | 633 | | | 633 | 8340 | - | 5 | 3903 | 8414 |
| AJ | AD/JY CROSS RATE FUTURES | 462 | | 16 | 478 | 1416 | + | 68 | 50 | 1252 |
| MIR | E-MICRO INR/USD FUTURES | 323 | | | 323 | 640 | + | 148 | 119 | 391 |
| CNH | USD/CNH FUTURES | 287 | | | 287 | 661 | + | 59 | 46 | 867 |
| UN | NKR/USD CROSS RATE FUTURES | 197 | | | 197 | 1280 | + | 93 | 54 | 743 |
| SE | SKR/USD CROSS RATE FUTURES | 181 | | 8 | 189 | 1649 | + | 14 | 82 | 1577 |
| BY | BP/JY CROSS RATE FUTURES | 83 | | 6 | 89 | 376 | + | 13 | 318 | 586 |
| CA | EC/AD CROSS RATE FUTURES | 81 | | | 81 | 1622 | - | 11 | 786 | 1903 |
| CC | EC/CD CROSS RATE FUTURES | 32 | | | 32 | 1697 | + | 17 | 332 | 1561 |
| KE | EC/SEK CROSS RATE FUTURES | 19 | | | 19 | 837 | + | 6 | 68 | 496 |
| BF | BP/SF CROSS RATE FUTURES | 17 | | | 17 | 23 | + | 8 | | 25 |
| MSF | E-MICRO CHF/USD FUTURES | 16 | | | 16 | 253 | + | 2 | 55 | 91 |
| CHP | CHILEAN PESO/US DOLLAR FUTURES | 14 | | | 14 | 354 | + | 7 | 464 | 2543 |
| TRY | TURKISH LIRA/USD FUTURE | | | 13 | 13 | 1110 | | | 70 | 2157 |
| AN | AD/NE CROSS RATE FUTURES | 11 | | | 11 | 17 | - | 3 | | 14 |
| CY | CD/JY CROSS RATE FUTURES | 10 | | | 10 | 4 | + | 3 | | |
| CN | EC/NOK CROSS RATE FUTURES | 9 | | | 9 | 248 | + | 6 | 12 | 10 |
| KRW | KOREAN WON/USD FUTURE | 6 | | | 6 | 336 | | | | 24 |
| PZ | POLISH ZLOTY (US) FUTURES | 1 | | | 1 | 9 | | | 10 | 57 |
| AC | AD/CD CROSS RATE FUTURES | 1 | | | 1 | 2 | | | 1 | 1 |
| Z | POLISH ZLOTY (EC) FUTURES | | | | | | | | 16 | 10 |
| RMB | CHINESE RENMINBI (USD) FUTURES | | | | | | | | | 49 |
| BDI | CME BLOOMBERG DOLLAR SPOT INDEX FUT | | | | | | | | 30 | 13 |

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST FX OPTIONS ON FUTURES

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | C | 15 | | 15 | 1526 | + | 12 | 354 | 1348 |
| 2AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | P | 4 | | 4 | 1725 | + | 1 | 831 | 2614 |
| TOTAL AUDUSD PREM QUOTE EURO STYLE 2PMFIX | | 19 | | 19 | 3251 | + | 13 | 1185 | 3962 |
| 3AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | C | 10 | | 10 | 485 | + | 10 | 24 | 698 |
| 3AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | P | 25 | | 25 | 579 | + | 14 | 106 | 1997 |
| TOTAL AUDUSD PREM QUOTE EURO STYLE 2PMFIX | | 35 | | 35 | 1064 | + | 24 | 130 | 2695 |
| 4AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | C | 267 | | 267 | 281 | + | 244 | 200 | 371 |
| 4AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | P | 50 | | 50 | 128 | + | 50 | 108 | 331 |
| TOTAL AUDUSD PREM QUOTE EURO STYLE 2PMFIX | | 317 | | 317 | 409 | + | 294 | 308 | 702 |
| 5AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | C | 366 | | 366 | 5573 | + | 154 | 277 | 1853 |
| 5AD AUDUSD PREM QUOTE EURO STYLE 2PMFIX | P | 123 | | 123 | 1473 | + | 42 | 258 | 2149 |
| TOTAL AUDUSD PREM QUOTE EURO STYLE 2PMFIX | | 489 | | 489 | 7046 | + | 196 | 535 | 4002 |
| ADU AUDUSD PREM QUOTE EURO STYLE 2PMFIX | C | 850 | | 850 | 30376 | + | 326 | 2334 | 28663 |
| ADU AUDUSD PREM QUOTE EURO STYLE 2PMFIX | P | 1363 | | 1363 | 29353 | + | 358 | 2295 | 31654 |
| TOTAL AUDUSD PREM QUOTE EURO STYLE 2PMFIX | | 2213 | | 2213 | 59729 | + | 684 | 4629 | 60317 |
| YB BRITISH POUND OPTIONS (EUROPEAN) | C | 1 | | 1 | 57 | + | 1 | 1 | 218 |
| YB BRITISH POUND OPTIONS (EUROPEAN) | P | | | | 41 | | | | 53 |
| TOTAL BRITISH POUND OPTIONS (EUROPEAN) | | 1 | | 1 | 98 | + | 1 | 1 | 271 |
| 2CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | C | 65 | | 65 | 2046 | + | 16 | 992 | 3974 |
| 2CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | P | 357 | | 357 | 1574 | + | 307 | 762 | 3264 |
| TOTAL CADUSD PREM QUOTE EURO STYLE 2PMFIX | | 422 | | 422 | 3620 | + | 323 | 1754 | 7238 |
| 3CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | C | 98 | | 98 | 1812 | + | 77 | 468 | 883 |
| 3CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | P | 111 | | 111 | 1023 | + | 74 | 313 | 946 |
| TOTAL CADUSD PREM QUOTE EURO STYLE 2PMFIX | | 209 | | 209 | 2835 | + | 151 | 781 | 1829 |
| 4CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | C | 215 | | 215 | 482 | + | 215 | 396 | 1016 |
| 4CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | P | 228 | | 228 | 451 | + | 147 | 482 | 520 |
| TOTAL CADUSD PREM QUOTE EURO STYLE 2PMFIX | | 443 | | 443 | 933 | + | 362 | 878 | 1536 |
| 5CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | C | 1731 | | 1731 | 6446 | + | 1014 | 1191 | 3246 |
| 5CD CADUSD PREM QUOTE EURO STYLE 2PMFIX | P | 1421 | | 1421 | 5230 | + | 696 | 1097 | 4451 |
| TOTAL CADUSD PREM QUOTE EURO STYLE 2PMFIX | | 3152 | | 3152 | 11676 | + | 1710 | 2288 | 7697 |
| CAU CADUSD PREM QUOTE EURO STYLE 2PMFIX | C | 2185 | 5 | 2190 | 37715 | + | 1387 | 5806 | 31119 |
| CAU CADUSD PREM QUOTE EURO STYLE 2PMFIX | P | 3633 | 20 | 3653 | 33362 | + | 1642 | 7682 | 35261 |
| TOTAL CADUSD PREM QUOTE EURO STYLE 2PMFIX | | 5818 | 25 | 5843 | 71077 | + | 3029 | 13488 | 66380 |
| YD CANADIAN DOLLAR OPTIONS (EUROPEAN) | C | | | | | | | | 2 |
| YD CANADIAN DOLLAR OPTIONS (EUROPEAN) | P | | | | | | | | 1 |
| TOTAL CANADIAN DOLLAR OPTIONS (EUROPEAN) | | | | | | | | | 3 |
| 2SF CHFUSD PREM QUOTE EURO STYLE 2PMFIX | C | | | | 3 | | | | 52 |
| 2SF CHFUSD PREM QUOTE EURO STYLE 2PMFIX | P | | | | 290 | | | | 26 |
| TOTAL CHFUSD PREM QUOTE EURO STYLE 2PMFIX | | | | | 293 | | | | 78 |
| 3SF CHFUSD PREM QUOTE EURO STYLE 2PMFIX | C | | | | 1 | | | | |
| TOTAL CHFUSD PREM QUOTE EURO STYLE 2PMFIX | | | | | 1 | | | | |
| 4SF CHFUSD PREM QUOTE EURO STYLE 2PMFIX | C | | | | | | | 100 | 150 |
| 4SF CHFUSD PREM QUOTE EURO STYLE 2PMFIX | P | | | | 100 | | | 177 | 177 |
| TOTAL CHFUSD PREM QUOTE EURO STYLE 2PMFIX | | | | | 100 | | | 277 | 327 |
| 5SF CHFUSD PREM QUOTE EURO STYLE 2PMFIX | C | | | | 251 | | | | 361 |
| 5SF CHFUSD PREM QUOTE EURO STYLE 2PMFIX | P | | | | 251 | | | | 131 |
| TOTAL CHFUSD PREM QUOTE EURO STYLE 2PMFIX | | | | | 502 | | | | 492 |
| CHU CHFUSD PREM QUOTE EURO STYLE 2PMFIX | C | 25 | | 25 | 1709 | + | 23 | 5 | 951 |
| CHU CHFUSD PREM QUOTE EURO STYLE 2PMFIX | P | 209 | | 209 | 4157 | + | 54 | 3 | 1293 |
| TOTAL CHFUSD PREM QUOTE EURO STYLE 2PMFIX | | 234 | | 234 | 5866 | + | 77 | 8 | 2244 |
| YT EURO FX OPTIONS (EUROPEAN) | C | | | | 7 | | | | 31 |
| YT EURO FX OPTIONS (EUROPEAN) | P | | | | 7 | | | | 33 |
| TOTAL EURO FX OPTIONS (EUROPEAN) | | | | | 14 | | | | 64 |
| 2EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | C | 184 | | 184 | 2828 | + | 136 | 3922 | 6720 |
| 2EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | P | 489 | | 489 | 3298 | + | 298 | 2750 | 5812 |
| TOTAL EURUSD PREM QUOTE EURO STYLE 2PMFIX | | 673 | | 673 | 6126 | + | 434 | 6672 | 12532 |
| 3EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | C | 393 | | 393 | 3296 | + | 228 | 1498 | 5022 |
| 3EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | P | 82 | | 82 | 2336 | + | 23 | 1735 | 5874 |
| TOTAL EURUSD PREM QUOTE EURO STYLE 2PMFIX | | 475 | | 475 | 5632 | + | 251 | 3233 | 10896 |
| 4EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | C | 328 | | 328 | 849 | + | 283 | 766 | 1262 |
| 4EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | P | 157 | | 157 | 475 | + | 113 | 970 | 1182 |
| TOTAL EURUSD PREM QUOTE EURO STYLE 2PMFIX | | 485 | | 485 | 1324 | + | 396 | 1736 | 2444 |
| 5EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | C | 2502 | | 2502 | 10164 | + | 771 | 5622 | 9581 |
| 5EU EURUSD PREM QUOTE EURO STYLE 2PMFIX | P | 2469 | | 2469 | 14788 | + | 945 | 3825 | 10060 |
| TOTAL EURUSD PREM QUOTE EURO STYLE 2PMFIX | | 4971 | | 4971 | 24952 | + | 1716 | 9447 | 19641 |
| EUU EURUSD PREM QUOTE EURO STYLE 2PMFIX | C | 9065 | | 9065 | 131320 | + | 2476 | 21862 | 100034 |
| EUU EURUSD PREM QUOTE EURO STYLE 2PMFIX | P | 10724 | 15 | 10739 | 151107 | + | 2006 | 14757 | 115518 |
| TOTAL EURUSD PREM QUOTE EURO STYLE 2PMFIX | | 19789 | 15 | 19804 | 282427 | + | 4482 | 36619 | 215552 |
| 2BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | C | 42 | | 42 | 3298 | + | 37 | 588 | 3144 |
| 2BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | P | 107 | | 107 | 3825 | + | 7 | 619 | 3771 |
| TOTAL GBPUSD PREM QUOTE EURO STYLE 2PMFIX | | 149 | | 149 | 7123 | + | 44 | 1207 | 6915 |
| 3BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | C | 703 | | 703 | 1096 | + | 656 | 316 | 746 |
| 3BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | P | 155 | | 155 | 1223 | + | 112 | 1118 | 1567 |
| TOTAL GBPUSD PREM QUOTE EURO STYLE 2PMFIX | | 858 | | 858 | 2319 | + | 768 | 1434 | 2313 |
| 4BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | C | 268 | | 268 | 660 | + | 251 | 163 | 487 |
| 4BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | P | 744 | | 744 | 921 | + | 655 | 153 | 647 |
| TOTAL GBPUSD PREM QUOTE EURO STYLE 2PMFIX | | 1012 | | 1012 | 1581 | + | 906 | 316 | 1134 |
| 5BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | C | 534 | | 534 | 6817 | + | 205 | 2391 | 5895 |
| 5BP GBPUSD PREM QUOTE EURO STYLE 2PMFIX | P | 675 | | 675 | 3980 | + | 455 | 1136 | 6552 |
| TOTAL GBPUSD PREM QUOTE EURO STYLE 2PMFIX | | 1209 | | 1209 | 10797 | + | 660 | 3527 | 12447 |
| GBU GBPUSD PREM QUOTE EURO STYLE 2PMFIX | C | 3453 | | 3453 | 56138 | + | 2074 | 8584 | 69745 |
| GBU GBPUSD PREM QUOTE EURO STYLE 2PMFIX | P | 2053 | | 2053 | 51073 | + | 585 | 8623 | 60714 |
| TOTAL GBPUSD PREM QUOTE EURO STYLE 2PMFIX | | 5506 | | 5506 | 107211 | + | 2659 | 17207 | 130459 |
| YJ JAPANESE YEN OPTIONS (EUROPEAN) | P | | | | | | | | 4 |
| TOTAL JAPANESE YEN OPTIONS (EUROPEAN) | | | | | | | | | 4 |
| 2JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | C | 22 | | 22 | 2041 | + | 20 | 318 | 2511 |
| 2JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | P | 5 | | 5 | 1415 | + | 2 | 719 | 3474 |
| TOTAL JPYUSD PREM QUOTE EURO STYLE 2PMFIX | | 27 | | 27 | 3456 | + | 22 | 1037 | 5985 |
| 3JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | C | 184 | | 184 | 996 | + | 103 | 174 | 2360 |
| 3JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | P | 39 | | 39 | 973 | + | 39 | 302 | 1440 |
| TOTAL JPYUSD PREM QUOTE EURO STYLE 2PMFIX | | 223 | | 223 | 1969 | + | 142 | 476 | 3800 |
| 4JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | C | 235 | | 235 | 523 | + | 235 | 513 | 580 |
| 4JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | P | 126 | | 126 | 733 | + | 113 | 1143 | 1295 |
| TOTAL JPYUSD PREM QUOTE EURO STYLE 2PMFIX | | 361 | | 361 | 1256 | + | 348 | 1656 | 1875 |
| 5JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | C | 128 | | 128 | 4753 | + | 69 | 1926 | 5996 |
| 5JY JPYUSD PREM QUOTE EURO STYLE 2PMFIX | P | 410 | | 410 | 3449 | + | 79 | 631 | 4515 |
| TOTAL JPYUSD PREM QUOTE EURO STYLE 2PMFIX | | 538 | | 538 | 8202 | + | 148 | 2557 | 10511 |
| JPU JPYUSD PREM QUOTE EURO STYLE 2PMFIX | C | 6315 | 15 | 6330 | 50247 | + | 82 | 5402 | 56415 |
| JPU JPYUSD PREM QUOTE EURO STYLE 2PMFIX | P | 2606 | | 2606 | 48435 | + | 127 | 5526 | 58546 |
| TOTAL JPYUSD PREM QUOTE EURO STYLE 2PMFIX | | 8921 | 15 | 8936 | 98682 | + | 209 | 10928 | 114961 |
| MO MEXICAN PESO OPTIONS | C | 5 | | 5 | 1173 | + | 5 | | 851 |
| MO MEXICAN PESO OPTIONS | P | | | | 1483 | | | 28 | 726 |
| TOTAL MEXICAN PESO OPTIONS | | 5 | | 5 | 2656 | + | 5 | 28 | 1577 |
| 2M MEXICAN PESO WK2 OPTIONS | P | | | | 50 | | | | |
| TOTAL MEXICAN PESO WK2 OPTIONS | | | | | 50 | | | | |
| 5M MEXICAN PESO WK5 OPTIONS | P | | | | | | | | 10 |
| TOTAL MEXICAN PESO WK5 OPTIONS | | | | | | | | | 10 |
| YS SWISS FRANC OPTIONS (EUROPEAN) | C | | | | | | | | 7 |
| YS SWISS FRANC OPTIONS (EUROPEAN) | P | | | | | | | | 1 |

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## FINAL



TOTAL SWISS FRANC OPTIONS (EUROPEAN) 8

| | | | | | |
|---|---|---|---|---|---|
| WA1 WK WEDS AUDUSD P QUOTE EURO 2PM FIX C | 42 | 42 | 399 | - | 13 |
| WA1 WK WEDS AUDUSD P QUOTE EURO 2PM FIX P | 302 | 302 | 774 | + | 199 |
| TOTAL WK WEDS AUDUSD P QUOTE EURO 2PM FIX | 344 | 344 | 1173 | + | 186 |
| WA2 WK WEDS AUDUSD P QUOTE EURO 2PM FIX C | 9 | 9 | 59 | + | 9 |
| WA2 WK WEDS AUDUSD P QUOTE EURO 2PM FIX P | | | 420 | | |
| TOTAL WK WEDS AUDUSD P QUOTE EURO 2PM FIX | 9 | 9 | 479 | + | 9 |
| WA3 WK WEDS AUDUSD P QUOTE EURO 2PM FIX C | | | 1 | | |
| WA3 WK WEDS AUDUSD P QUOTE EURO 2PM FIX P | 29 | 29 | 29 | + | 29 |
| TOTAL WK WEDS AUDUSD P QUOTE EURO 2PM FIX | 29 | 29 | 30 | + | 29 |
| WA4 WK WEDS AUDUSD P QUOTE EURO 2PM FIX C | 72 | 72 | | - | 363 |
| WA4 WK WEDS AUDUSD P QUOTE EURO 2PM FIX P | 30 | 30 | | - | 149 |
| TOTAL WK WEDS AUDUSD P QUOTE EURO 2PM FIX | 102 | 102 | | - | 512 |
| WD1 WK WEDS CADUSD P QUOTE EURO 2PM FIX C | 169 | 169 | 1703 | + | 86 |
| WD1 WK WEDS CADUSD P QUOTE EURO 2PM FIX P | 512 | 512 | 1341 | + | 396 |
| TOTAL WK WEDS CADUSD P QUOTE EURO 2PM FIX | 681 | 681 | 3044 | + | 482 |
| WD2 WK WEDS CADUSD P QUOTE EURO 2PM FIX C | 7 | 7 | 627 | + | 7 |
| WD2 WK WEDS CADUSD P QUOTE EURO 2PM FIX P | | | 843 | | |
| TOTAL WK WEDS CADUSD P QUOTE EURO 2PM FIX | 7 | 7 | 1470 | + | 7 |
| WD3 WK WEDS CADUSD P QUOTE EURO 2PM FIX P | 3 | 3 | 3 | + | 3 |
| TOTAL WK WEDS CADUSD P QUOTE EURO 2PM FIX | 3 | 3 | 3 | + | 3 |
| WD4 WK WEDS CADUSD P QUOTE EURO 2PM FIX C | 157 | 157 | | - | 549 |
| WD4 WK WEDS CADUSD P QUOTE EURO 2PM FIX P | 80 | 80 | | - | 1019 |
| TOTAL WK WEDS CADUSD P QUOTE EURO 2PM FIX | 237 | 237 | | - | 1568 |
| WE1 WK WEDS EURUSD P QUOTE EURO 2PM FIX C | 532 | 532 | 3115 | + | 409 |
| WE1 WK WEDS EURUSD P QUOTE EURO 2PM FIX P | 645 | 645 | 3493 | + | 479 |
| TOTAL WK WEDS EURUSD P QUOTE EURO 2PM FIX | 1177 | 1177 | 6608 | + | 888 |
| WE2 WK WEDS EURUSD P QUOTE EURO 2PM FIX C | 666 | 666 | 1160 | + | 617 |
| WE2 WK WEDS EURUSD P QUOTE EURO 2PM FIX P | | | 939 | | |
| TOTAL WK WEDS EURUSD P QUOTE EURO 2PM FIX | 666 | 666 | 2099 | + | 617 |
| WE3 WK WEDS EURUSD P QUOTE EURO 2PM FIX C | | | 102 | | |
| WE3 WK WEDS EURUSD P QUOTE EURO 2PM FIX P | 1 | 1 | 1 | + | 1 |
| TOTAL WK WEDS EURUSD P QUOTE EURO 2PM FIX | 1 | 1 | 103 | + | 1 |
| WE4 WK WEDS EURUSD P QUOTE EURO 2PM FIX C | 2005 | 2005 | | - | 3397 |
| WE4 WK WEDS EURUSD P QUOTE EURO 2PM FIX P | 287 | 287 | | - | 3439 |
| TOTAL WK WEDS EURUSD P QUOTE EURO 2PM FIX | 2292 | 2292 | | - | 6836 |
| WG1 WK WEDS GBPUSD P QUOTE EURO 2PM FIX C | 150 | 150 | 1364 | + | 66 |
| WG1 WK WEDS GBPUSD P QUOTE EURO 2PM FIX P | 127 | 127 | 513 | + | 121 |
| TOTAL WK WEDS GBPUSD P QUOTE EURO 2PM FIX | 277 | 277 | 1877 | + | 187 |
| WG2 WK WEDS GBPUSD P QUOTE EURO 2PM FIX C | | | 346 | | |
| WG2 WK WEDS GBPUSD P QUOTE EURO 2PM FIX P | | | 13 | | |
| TOTAL WK WEDS GBPUSD P QUOTE EURO 2PM FIX | | | 359 | | |
| WG3 WK WEDS GBPUSD P QUOTE EURO 2PM FIX C | | | 43 | | |
| TOTAL WK WEDS GBPUSD P QUOTE EURO 2PM FIX | | | 43 | | |
| WG4 WK WEDS GBPUSD P QUOTE EURO 2PM FIX C | 27 | 27 | | - | 1611 |
| WG4 WK WEDS GBPUSD P QUOTE EURO 2PM FIX P | 36 | 36 | | - | 1021 |
| TOTAL WK WEDS GBPUSD P QUOTE EURO 2PM FIX | 63 | 63 | | - | 2632 |
| WJ1 WK WEDS JPYUSD P QUOTE EURO 2PM FIX C | 390 | 390 | 1536 | + | 164 |
| WJ1 WK WEDS JPYUSD P QUOTE EURO 2PM FIX P | 6 | 6 | 161 | + | 3 |
| TOTAL WK WEDS JPYUSD P QUOTE EURO 2PM FIX | 396 | 396 | 1697 | + | 167 |
| WJ2 WK WEDS JPYUSD P QUOTE EURO 2PM FIX C | 292 | 292 | 347 | + | 288 |
| WJ2 WK WEDS JPYUSD P QUOTE EURO 2PM FIX P | 181 | 181 | 860 | + | 149 |
| TOTAL WK WEDS JPYUSD P QUOTE EURO 2PM FIX | 473 | 473 | 1207 | + | 437 |
| WJ4 WK WEDS JPYUSD P QUOTE EURO 2PM FIX C | 5 | 5 | | - | 2395 |
| WJ4 WK WEDS JPYUSD P QUOTE EURO 2PM FIX P | 4 | 4 | | - | 1300 |
| TOTAL WK WEDS JPYUSD P QUOTE EURO 2PM FIX | 9 | 9 | | - | 3695 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT.IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.
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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST EQUITY INDEX FUTURES

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

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## FINAL

PG01C BULLETIN #123@ EXCHANGE SUMMARY VOLUME AND OPEN INTEREST EQUITY INDEX FUTURES Wed, Jun 27, 2018 PG01C

EXCHANGE OVERALL VOLUME AND OPEN INTEREST TOTALS

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| * CME GROUP TOTALS- | | | | | | | | | |
| EXCHANGE | 17752875 | 989053 | 588140 | 19330068 | 114622459 | + | 996183 | 16309054 | 112344043 |
| EXCHANGE FUTURES | 15141381 | 47541 | 399970 | 15588892 | 54079691 | + | 189903 | 13517351 | 53989442 |
| EXCHANGE OPTIONS | 2611494 | 941512 | 186310 | 3739316 | 60514036 | + | 804931 | 2790833 | 58306083 |
| OTC TOTALS- | | | | | | | | | |
| OTC CLEARED ONLY | | | 1860 | 1860 | 28732 | + | 1349 | 870 | 48518 |
| FUTURES & OPTIONS- | | | | | | | | | |
| EQUITY INDEX | 3947098 | 41545 | 31557 | 4020200 | 8614080 | + | 57583 | 2723086 | 8320940 |
| FUTURES ONLY- | | | | | | | | | |
| EQUITY INDEX | 3216870 | 562 | 31557 | 3248989 | 4309964 | + | 13495 | 2213532 | 3849823 |
| OPTIONS ONLY- | | | | | | | | | |
| EQUITY INDEX | 730228 | 40983 | | 771211 | 4300354 | + | 44088 | 509554 | 4454084 |
| FORWARD SWAPS ONLY- | | | | | | | | | |
| EQUITY INDEX | | | | | 3762 | | | | 17033 |
| OPTIONS FORWARD SWAPS ONLY- | | | | | | | | | |

EQUITY INDEX FUTURES & OPTIONS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ES E-MINI S&P 500 FUTURES | 2106336 | | 18856 | 2125192 | 2695236 | + | 8218 | 1563174 | 2858124 |
| NQ E-MINI NASDAQ 100 FUTURES | 545750 | | 1000 | 546750 | 235551 | + | 60 | 397144 | 280875 |
| YM MINI $5 DOW FUTURES | 312323 | | | 312323 | 88913 | + | 2118 | 157430 | 133921 |
| RTY EMINI RUSSELL 2000 INDEX FUTURES | 161911 | | 500 | 162411 | 549409 | - | 567 | | |
| N1 NIKKEI 225 (YEN) STOCK FUTURES | 46669 | | | 46669 | 51818 | - | 1335 | 51289 | 70207 |
| ME E-MINI S&P 400 MIDCAP FUTURES | 17179 | | | 17179 | 86608 | - | 103 | 21360 | 94488 |
| NK NIKKEI 225 ($) STOCK FUTURES | 11740 | | | 11740 | 29509 | - | 158 | 12948 | 36672 |
| XAE SP 500 ENERGY SECTOR INDEX | 657 | | 4577 | 5234 | 28260 | + | 6535 | 254 | 6277 |
| BTC BITCOIN FUTURES | 4183 | | | 4183 | 2679 | - | 8 | | |
| XAU SP 500 UTILITIES SECTOR INDEX | 2019 | | 950 | 2969 | 26452 | + | 1051 | 174 | 21698 |
| JR DJ US REAL ESTATE INDEX FUTURES | 1113 | | 1800 | 2913 | 25533 | - | 1670 | 1934 | 16909 |
| SP S&P 500 FUTURES | 135 | 562 | 1800 | 2497 | 55782 | + | 997 | 3361 | 42008 |
| RSG EMINI RUSSELL 1000 GROWTH FUT | 306 | | 1864 | 2170 | 4186 | - | 1856 | 27 | 781 |
| RS1 EMINI RUSSELL 1000 INDEX FUTURES | 839 | | 150 | 989 | 10367 | + | 104 | 27 | 94 |
| SDA S&P 500 ANNUAL DIVIDEND INDEX FUT | 880 | | | 880 | 113024 | + | 60 | 980 | 80887 |
| XAV SP 500 HEALTH CARE SECTOR INDEX | 766 | | | 766 | 5550 | + | 133 | 438 | 15020 |
| RSV EMINI RUSSELL 1000 VALUE | 692 | | | 692 | 6207 | - | 169 | 95 | 130 |
| XAY SP 500 CONS DISCRETIONARY SECTOR IX | 608 | | | 608 | 6692 | + | 36 | 241 | 2063 |
| XAF SP 500 FINANCIAL SECTOR INDEX | 560 | | | 560 | 28900 | + | 45 | 301 | 18639 |
| XAI SP 500 INDUSTRIAL SECTOR INDEX | 540 | | | 540 | 3396 | - | 33 | 329 | 4777 |
| XAK SP 500 TECHNOLOGY SECTOR INDEX | 463 | | | 463 | 11722 | + | 28 | 410 | 7335 |
| GI GOLDMAN SACHS C/I FUTURE | 216 | | | 216 | 15095 | + | 55 | 31 | 14922 |
| XAB SP 500 MATERIALS SECTOR INDEX | 143 | | 60 | 203 | 4823 | - | 55 | 293 | 5887 |
| FT1 E-MINI FTSE 100 INDEX FUTURES | 160 | | | 160 | 5 | | | 70 | 19 |
| AW BLOOMBERG COMMODITY INDEXSM FUTURES | 150 | | | 150 | 51962 | - | 63 | 63 | 34523 |
| XAR REAL ESTATE SELECT SECTOR FUTURES | 137 | | | 137 | 6034 | + | 20 | 39 | 7378 |
| FTU EMINI USD FTSE 100 INDEX FUTURE | 130 | | | 130 | 1 | | | | |
| FT5 EMINI FTSE CHINA 50 INDEX FUTURE | 101 | | | 101 | 155 | + | 3 | 69 | 225 |
| XAP SP 500 CONSUMER STAPLES SECTOR IX | 82 | | | 82 | 7536 | + | 9 | 324 | 11890 |
| TPY YEN DENOMINATED TOPIX FUTURES | 70 | | | 70 | 151 | + | 41 | | |
| IBV USD-DENOMINATED IBOVESPA INDEX | 10 | | | 10 | 306 | | | 3 | 162 |
| ENY E-MINI NIKKEI 225 YEN DENOMINATED | 2 | | | 2 | 6 | - | 1 | 1 | 10 |
| WDC CSI HOUSING INDEX FUTURE | | | | | | | | | 1 |
| TRI S&P 500 TOTAL RETURN INDEX FUTURES | | | | | 98353 | | | | 29148 |
| SU S&P 500 VALUE INDEX FUTURES | | | | | 14 | | | | 23 |
| SG S&P 500 GROWTH FUTURES | | | | | 13 | | | | 21 |
| SFR CSI HOUSING INDEX FUTURE | | | | | 13 | | | | 23 |
| SDI S&P 500 QUARLY DIVIDEND INDEX FUT | | | | | 380 | | | | 180 |
| SDG CSI HOUSING INDEX FUTURE | | | | | 1 | | | | |
| NYM CSI HOUSING INDEX FUTURE | | | | | 2 | | | | 3 |
| MNF E-MINI CNX NIFTY INDEX FUTURES | | | | | | | | 1388 | 2088 |
| LAX CSI HOUSING INDEX FUTURE | | | | | 1 | | | | 4 |
| LAV CSI HOUSING INDEX FUTURE | | | | | 7 | | | | |
| GA GSCI EXCESS RETURN FUTURES | | | | | 55381 | | | | 51600 |
| EI FTSE EMERGING INDEX FUTURES | | | | | 5 | | | 29 | 22 |
| DRS BLOOMBERG ROLL SELECT COMMODITY IND | | | | | 2951 | | | | 1070 |
| DEN CSI HOUSING INDEX FUTURE | | | | | 1 | | | | 1 |
| CUS CSI HOUSING INDEX FUTURE | | | | | 12 | | | | 10 |
| CHI CSI HOUSING INDEX FUTURE | | | | | 2 | | | | 8 |
| BQ E-MINI NASDAQ BIOTECH FUTURES | | | | | 960 | | | | 743 |
| BOS CSI HOUSING INDEX FUTURE | | | | | | | | | 1 |

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST EQUITY INDEX OPTIONS ON FUTURES

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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DNO CSI HOUSING INDEX OPTIONS | P | | | | 2 | | | | |
| TOTAL CSI HOUSING INDEX OPTIONS | | | | | 2 | | | | |
| QNE E-MINI NASDAQ 100 END OF MONTH OPT | C | 1344 | | 1344 | 5032 | + | 470 | 1342 | 5752 |
| QNE E-MINI NASDAQ 100 END OF MONTH OPT | P | 2096 | | 2096 | 7255 | + | 337 | 3715 | 15372 |
| TOTAL E-MINI NASDAQ 100 END OF MONTH OPT | | 3440 | | 3440 | 12287 | + | 807 | 5057 | 21124 |
| QZ E-MINI NASDAQ 100 OPTIONS | C | 517 | | 517 | 9681 | + | 64 | 213 | 4043 |
| QZ E-MINI NASDAQ 100 OPTIONS | P | 1209 | | 1209 | 17461 | - | 82 | 808 | 9293 |
| TOTAL E-MINI NASDAQ 100 OPTIONS | | 1726 | | 1726 | 27142 | - | 18 | 1021 | 13336 |
| QN1 E-MINI NASDAQ 100 WEEKLY OPT | C | 1009 | | 1009 | 1729 | + | 361 | 204 | 339 |
| QN1 E-MINI NASDAQ 100 WEEKLY OPT | P | 987 | | 987 | 2084 | - | 102 | 671 | 7166 |
| TOTAL E-MINI NASDAQ 100 WEEKLY OPT | | 1996 | | 1996 | 3813 | + | 259 | 875 | 7505 |
| QN2 E-MINI NASDAQ 100 WEEKLY OPT | C | 195 | | 195 | 1112 | - | 106 | 68 | 188 |
| QN2 E-MINI NASDAQ 100 WEEKLY OPT | P | 64 | | 64 | 973 | + | 13 | 446 | 724 |
| TOTAL E-MINI NASDAQ 100 WEEKLY OPT | | 259 | | 259 | 2085 | - | 93 | 514 | 912 |
| QN3 E-MINI NASDAQ 100 WEEKLY OPT | C | 1056 | | 1056 | 7650 | - | 6 | 1310 | 6789 |
| QN3 E-MINI NASDAQ 100 WEEKLY OPT | P | 4550 | | 4550 | 10558 | + | 858 | 1109 | 17679 |
| TOTAL E-MINI NASDAQ 100 WEEKLY OPT | | 5606 | | 5606 | 18208 | + | 852 | 2419 | 24468 |
| QN4 E-MINI NASDAQ 100 WEEKLY OPT | C | 44 | | 44 | 324 | + | 40 | 4 | 61 |
| QN4 E-MINI NASDAQ 100 WEEKLY OPT | P | 19 | | 19 | 169 | + | 16 | 126 | 143 |
| TOTAL E-MINI NASDAQ 100 WEEKLY OPT | | 63 | | 63 | 493 | + | 56 | 130 | 204 |
| RTO E-MINI RUSSELL 2000 OPTIONS | C | 33 | | 33 | 3089 | + | 28 | | |
| RTO E-MINI RUSSELL 2000 OPTIONS | P | 26 | | 26 | 3951 | + | 8 | | |
| TOTAL E-MINI RUSSELL 2000 OPTIONS | | 59 | | 59 | 7040 | + | 36 | | |
| RTM E-MINI RUSSELL END OF MONTH OPT | C | 303 | | 303 | 2396 | + | 45 | | |
| RTM E-MINI RUSSELL END OF MONTH OPT | P | 771 | | 771 | 3651 | + | 359 | | |
| TOTAL E-MINI RUSSELL END OF MONTH OPT | | 1074 | | 1074 | 6047 | + | 404 | | |
| R1E E-MINI RUSSELL WEEKLY OPT | C | 196 | | 196 | 1339 | + | 136 | | |
| R1E E-MINI RUSSELL WEEKLY OPT | P | 354 | | 354 | 1110 | + | 172 | | |
| TOTAL E-MINI RUSSELL WEEKLY OPT | | 550 | | 550 | 2449 | + | 308 | | |
| R2E E-MINI RUSSELL WEEKLY OPT | C | 679 | | 679 | 1090 | + | 439 | | |
| R2E E-MINI RUSSELL WEEKLY OPT | P | 266 | | 266 | 1247 | + | 231 | | |
| TOTAL E-MINI RUSSELL WEEKLY OPT | | 945 | | 945 | 2337 | + | 670 | | |
| R3E E-MINI RUSSELL WEEKLY OPT | C | 550 | | 550 | 6975 | + | 216 | | |
| R3E E-MINI RUSSELL WEEKLY OPT | P | 561 | | 561 | 8766 | + | 155 | | |
| TOTAL E-MINI RUSSELL WEEKLY OPT | | 1111 | | 1111 | 15741 | + | 371 | | |
| R4E E-MINI RUSSELL WEEKLY OPT | C | 106 | | 106 | 231 | + | 92 | | |
| R4E E-MINI RUSSELL WEEKLY OPT | P | 110 | | 110 | 128 | + | 110 | | |
| TOTAL E-MINI RUSSELL WEEKLY OPT | | 216 | | 216 | 359 | + | 202 | | |
| E1A E-MINI S&P 500 MONDAY WEEKLY OPT | C | 3896 | | 3896 | 4292 | + | 1457 | 2340 | 4234 |
| E1A E-MINI S&P 500 MONDAY WEEKLY OPT | P | 13190 | | 13190 | 24875 | + | 7747 | 3678 | 19510 |
| TOTAL E-MINI S&P 500 MONDAY WEEKLY OPT | | 17086 | | 17086 | 29167 | + | 9204 | 6018 | 23744 |
| E2A E-MINI S&P 500 MONDAY WEEKLY OPT | C | 1435 | | 1435 | 1638 | + | 1281 | 325 | 1016 |
| E2A E-MINI S&P 500 MONDAY WEEKLY OPT | P | 1906 | | 1906 | 2361 | + | 1827 | 1286 | 1888 |
| TOTAL E-MINI S&P 500 MONDAY WEEKLY OPT | | 3341 | | 3341 | 3999 | + | 3108 | 1611 | 2904 |
| EZ E-MINI S&P 500 OPTIONS | C | 24078 | | 24078 | 361756 | + | 6436 | 12210 | 243018 |
| EZ E-MINI S&P 500 OPTIONS | P | 50505 | | 50505 | 1093954 | + | 12806 | 24330 | 681616 |
| TOTAL E-MINI S&P 500 OPTIONS | | 74583 | | 74583 | 1455710 | + | 19242 | 36540 | 924634 |
| E1C E-MINI S&P 500 WEDNESDAY WEEKLY OPT | C | 4050 | | 4050 | 6972 | + | 1397 | 2234 | 3697 |
| E1C E-MINI S&P 500 WEDNESDAY WEEKLY OPT | P | 8426 | | 8426 | 13669 | + | 4442 | 7714 | 15808 |
| TOTAL E-MINI S&P 500 WEDNESDAY WEEKLY OPT | | 12476 | | 12476 | 20641 | + | 5839 | 9948 | 19505 |
| E4C E-MINI S&P 500 WEDNESDAY WEEKLY OPT | C | 41002 | | 41002 | | - | 28623 | 17418 | |
| E4C E-MINI S&P 500 WEDNESDAY WEEKLY OPT | P | 81082 | | 81082 | | - | 87183 | 33437 | |
| TOTAL E-MINI S&P 500 WEDNESDAY WEEKLY OPT | | 122084 | | 122084 | | - | 115806 | 50855 | |
| EW EOM E-MINI S&P 500 OPTIONS | C | 57686 | | 57686 | 357655 | + | 11096 | 35274 | 309036 |
| EW EOM E-MINI S&P 500 OPTIONS | P | 186002 | | 186002 | 780041 | + | 51738 | 87833 | 1130298 |
| TOTAL EOM E-MINI S&P 500 OPTIONS | | 243688 | | 243688 | 1137696 | + | 62834 | 123107 | 1439334 |
| EYM EOM ON E-MINI-SIZED DOW OPTIONS | C | | | | 47 | | | | 361 |
| EYM EOM ON E-MINI-SIZED DOW OPTIONS | P | | | | 101 | | | 10 | 440 |
| TOTAL EOM ON E-MINI-SIZED DOW OPTIONS | | | | | 148 | | | 10 | 801 |
| YM1 EOM ON E-MINI-SIZED DOW OPTIONS | C | 1 | | 1 | 30 | + | 1 | | 6 |
| YM1 EOM ON E-MINI-SIZED DOW OPTIONS | P | 5 | | 5 | 7 | | | 1 | 10 |
| TOTAL EOM ON E-MINI-SIZED DOW OPTIONS | | 6 | | 6 | 37 | + | 1 | 1 | 16 |
| YM3 EOM ON E-MINI-SIZED DOW OPTIONS | C | 78 | | 78 | 802 | + | 46 | | 123 |
| YM3 EOM ON E-MINI-SIZED DOW OPTIONS | P | 49 | | 49 | 500 | + | 41 | 6 | 260 |
| TOTAL EOM ON E-MINI-SIZED DOW OPTIONS | | 127 | | 127 | 1302 | + | 87 | 6 | 383 |
| EV EOM S&P 500 OPTIONS | C | | 4868 | 4868 | 21739 | + | 4217 | 9130 | 29341 |
| EV EOM S&P 500 OPTIONS | P | | 22301 | 22301 | 121095 | + | 14774 | 8330 | 137700 |
| TOTAL EOM S&P 500 OPTIONS | | | 27169 | 27169 | 142834 | + | 18991 | 17460 | 167041 |
| EW1 EOW1 E-MINI S&P 500 OPTIONS | C | 18099 | | 18099 | 49059 | + | 3472 | 15636 | 44527 |
| EW1 EOW1 E-MINI S&P 500 OPTIONS | P | 56190 | | 56190 | 126766 | + | 19813 | 63641 | 162044 |
| TOTAL EOW1 E-MINI S&P 500 OPTIONS | | 74289 | | 74289 | 175825 | + | 23285 | 79277 | 206571 |
| EV1 EOW1 S&P 500 OPTIONS | C | | 8 | 8 | 2294 | + | 8 | 600 | 1560 |
| EV1 EOW1 S&P 500 OPTIONS | P | | 5530 | 5530 | 9357 | + | 5525 | 6170 | 14620 |
| TOTAL EOW1 S&P 500 OPTIONS | | | 5538 | 5538 | 11651 | + | 5533 | 6770 | 16180 |
| EW2 EOW2 E-MINI S&P 500 OPTIONS | C | 5816 | | 5816 | 21812 | + | 925 | 8757 | 32707 |
| EW2 EOW2 E-MINI S&P 500 OPTIONS | P | 14338 | | 14338 | 62870 | + | 6002 | 18691 | 63300 |
| TOTAL EOW2 E-MINI S&P 500 OPTIONS | | 20154 | | 20154 | 84682 | + | 6927 | 27448 | 96007 |
| EV2 EOW2 S&P 500 OPTIONS | C | | 5 | 5 | 439 | + | 5 | 502 | 1377 |
| EV2 EOW2 S&P 500 OPTIONS | P | | 32 | 32 | 859 | + | 30 | 325 | 2927 |
| TOTAL EOW2 S&P 500 OPTIONS | | | 37 | 37 | 1298 | + | 35 | 827 | 4304 |
| EW3 EOW3 E-MINI S&P 500 OPTIONS | C | 44393 | | 44393 | 301909 | + | 11170 | 31359 | 365952 |
| EW3 EOW3 E-MINI S&P 500 OPTIONS | P | 90371 | | 90371 | 649551 | + | 10386 | 77937 | 835675 |
| TOTAL EOW3 E-MINI S&P 500 OPTIONS | | 134764 | | 134764 | 951460 | + | 21556 | 109296 | 1201627 |
| EV3 EOW3 S&P 500 OPTIONS | C | | 3181 | 3181 | 28218 | + | 2703 | 10778 | 63492 |
| EV3 EOW3 S&P 500 OPTIONS | P | | 2344 | 2344 | 53237 | + | 1139 | 9132 | 140954 |
| TOTAL EOW3 S&P 500 OPTIONS | | | 5525 | 5525 | 81455 | + | 3842 | 19910 | 204446 |
| EW4 EOW4 E-MINI S&P 500 OPTIONS | C | 4661 | | 4661 | 15292 | + | 2276 | 1078 | 10253 |
| EW4 EOW4 E-MINI S&P 500 OPTIONS | P | 5809 | | 5809 | 27644 | + | 2439 | 4681 | 17207 |
| TOTAL EOW4 E-MINI S&P 500 OPTIONS | | 10470 | | 10470 | 42936 | + | 4715 | 5759 | 27460 |
| EV4 EOW4 S&P 500 OPTIONS | C | | 8 | 8 | 145 | + | 8 | 430 | 617 |
| EV4 EOW4 S&P 500 OPTIONS | P | | | | 237 | | | 440 | 722 |
| TOTAL EOW4 S&P 500 OPTIONS | | | 8 | 8 | 382 | + | 8 | 870 | 1339 |
| OYM MINI $5 DOW OPTIONS | C | 54 | | 54 | 2420 | + | 8 | 7 | 765 |
| OYM MINI $5 DOW OPTIONS | P | 61 | | 61 | 2649 | + | 58 | 59 | 2709 |
| TOTAL MINI $5 DOW OPTIONS | | 115 | | 115 | 5069 | + | 66 | 66 | 3474 |
| YP S&P 500 EFLEX OPTIONS | C | | 180 | 180 | 7472 | + | 180 | 800 | 4540 |
| YP S&P 500 EFLEX OPTIONS | P | | 180 | 180 | 7472 | + | 180 | 800 | 4540 |
| TOTAL S&P 500 EFLEX OPTIONS | | | 360 | 360 | 14944 | + | 360 | 1600 | 9080 |
| S1A S&P 500 MONDAY WEEKLY OPTIONS | C | | 1200 | 1200 | 1200 | + | 1200 | | |
| S1A S&P 500 MONDAY WEEKLY OPTIONS | P | | 704 | 704 | 708 | + | 704 | | 102 |
| TOTAL S&P 500 MONDAY WEEKLY OPTIONS | | | 1904 | 1904 | 1908 | + | 1904 | | 102 |
| OS S&P 500 OPTIONS | C | | 166 | 166 | 16521 | + | 192 | 10 | 9618 |
| OS S&P 500 OPTIONS | P | | 266 | 266 | 22686 | + | 258 | 293 | 26295 |
| TOTAL S&P 500 OPTIONS | | | 432 | 432 | 39207 | + | 450 | 303 | 35913 |
| S1C S&P 500 WEDNESDAY WEEKLY OPTIONS | P | | | | | | | 945 | 1670 |
| TOTAL S&P 500 WEDNESDAY WEEKLY OPTIONS | | | | | | | | 945 | 1670 |
| S4C S&P 500 WEDNESDAY WEEKLY OPTIONS | C | | 5 | 5 | | - | 5003 | 6 | |
| S4C S&P 500 WEDNESDAY WEEKLY OPTIONS | P | | 5 | 5 | | - | 26944 | 905 | |
| TOTAL S&P 500 WEDNESDAY WEEKLY OPTIONS | | | 10 | 10 | | - | 31947 | 911 | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT.I IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.
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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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PG01 BULLETIN #123@ EXCHANGE SUMMARY VOLUME AND OPEN INTEREST EXCHANGE OVERALL VOLUME AND OPEN INTEREST TOTALS Wed, Jun 27, 2018 PG01

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST | & CHGE | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| * CME GROUP TOTALS- | | | | | | | | | |
| EXCHANGE | 17752875 | 989053 | 588140 | 19330068 | 114622459 | + | 996183 | 16309054 | 112344043 |
| EXCHANGE FUTURES | 15141381 | 47541 | 399970 | 15588892 | 54079691 | + | 189903 | 13517351 | 53989442 |
| EXCHANGE OPTIONS | 2611494 | 941512 | 186310 | 3739316 | 60514036 | + | 804931 | 2790833 | 58306083 |
| OTC TOTALS- | | | | | | | | | |
| OTC CLEARED ONLY | | | 1860 | 1860 | 28732 | + | 1349 | 870 | 48518 |
| DIVISION TOTALS- | | | | | | | | | |
| CME DIVISION | 95071 | | 1580 | 96651 | 707314 | + | 1348 | 103197 | 829969 |
| IMM DIVISION | 3523429 | 25994 | 25909 | 3575332 | 15337490 | + | 65944 | 3457038 | 14254494 |
| IOM DIVISION | 4052673 | 766520 | 79348 | 4898541 | 47491460 | + | 517294 | 3526719 | 46836931 |
| GEM DIVISION | 254650 | | 9387 | 264037 | 852442 | - | 7500 | 60306 | 331059 |
| CBOT DIVISION | 6506929 | 196539 | 203446 | 6906914 | 26767331 | + | 262784 | 6327444 | 21707519 |
| NYMEX DIVISION | 2661538 | | 240154 | 2901692 | 21065194 | + | 123518 | 2361542 | 26362476 |
| COMEX DIVISION | 658585 | | 28316 | 686901 | 2401228 | + | 32795 | 472808 | 2021595 |
| KCBT DIVISION | | | | | 0 | | | | |
| PRODUCT GROUP VOLUME AND OPEN INTEREST TOTALS | | | | | | | | | |
| FUTURES & OPTIONS- | | | | | | | | | |
| COMM & ALT INVST | 1595067 | 41087 | 49943 | 1686097 | 8740875 | - | 8743 | 1773814 | 7300990 |
| FX | 1123830 | 59 | 10370 | 1134259 | 2348788 | + | 28217 | 1311709 | 2234571 |
| EQUITY INDEX | 3947098 | 41545 | 31557 | 4020200 | 8614080 | + | 57583 | 2213532 | 8320940 |
| INTEREST RATES | 7766361 | 906362 | 227800 | 8900523 | 71449088 | + | 762792 | 7665607 | 66037002 |
| METALS | 703599 | | 30453 | 734052 | 2552068 | + | 32841 | 506175 | 2194988 |
| ENERGY | 2616920 | | 238017 | 2854937 | 20917560 | + | 123493 | 2328663 | 26255552 |
| FUTURES ONLY- | | | | | | | | | |
| COMM & ALT INVST | 1435824 | 1659 | 47583 | 1485066 | 5139842 | - | 73134 | 1564647 | 4252571 |
| FX | 1058510 | 4 | 10370 | 1068884 | 1594319 | + | 20393 | 1187367 | 1521670 |
| EQUITY INDEX | 3216870 | 562 | 31557 | 3248989 | 4309964 | + | 13495 | 2213532 | 3849823 |
| INTEREST RATES | 6471129 | 45316 | 167700 | 6684145 | 27545989 | + | 190245 | 6094490 | 24295031 |
| METALS | 639156 | | 15770 | 654926 | 1189697 | - | 653 | 464962 | 1128781 |
| ENERGY | 2319892 | | 126990 | 2446882 | 14299880 | + | 39557 | 1992353 | 18941566 |
| OPTIONS ONLY- | | | | | | | | | |
| COMM & ALT INVST | 159243 | 39428 | 500 | 199171 | 3576063 | + | 63042 | 208297 | 3016963 |
| FX | 65320 | 55 | | 65375 | 754469 | + | 7824 | 124342 | 712901 |
| EQUITY INDEX | 730228 | 40983 | | 771211 | 4300354 | + | 44088 | 509554 | 4454084 |
| INTEREST RATES | 1295232 | 861046 | 60100 | 2216378 | 43903099 | + | 572547 | 1571117 | 41741971 |
| METALS | 64443 | | 14683 | 79126 | 1362371 | + | 33494 | 41213 | 1066207 |
| ENERGY | 297028 | | 111027 | 408055 | 6617680 | + | 83936 | 336310 | 7313957 |
| FORWARD SWAPS ONLY- | | | | | | | | | |
| COMM & ALT INVST | | | 1860 | 1860 | 24970 | + | 1349 | 870 | 31456 |
| EQUITY INDEX | | | | | 3762 | | | | 17033 |
| ENERGY | | | | | 0 | | | | 29 |
| OPTIONS FORWARD SWAPS ONLY- | | | | | | | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT.I IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST INTEREST RATES FUTURES

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EXCHANGE OVERALL VOLUME AND OPEN INTEREST TOTALS

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST | & CHGE | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| * CME GROUP TOTALS- | | | | | | | | | |
| EXCHANGE | 17752875 | 989053 | 588140 | 19330068 | 114622459 | + | 996183 | 16309054 | 112344043 |
| EXCHANGE FUTURES | 15141381 | 47541 | 399970 | 15588892 | 54079691 | + | 189903 | 13517351 | 53989442 |
| EXCHANGE OPTIONS | 2611494 | 941512 | 186310 | 3739316 | 60514036 | + | 804931 | 2790833 | 58306083 |
| OTC TOTALS- | | | | | | | | | |
| OTC CLEARED ONLY | | | 1860 | 1860 | 28732 | + | 1349 | 870 | 48518 |
| FUTURES & OPTIONS- | | | | | | | | | |
| INTEREST RATES | 7766361 | 906362 | 227800 | 8900523 | 71449088 | + | 762792 | 7665607 | 66037002 |
| FUTURES ONLY- | | | | | | | | | |
| INTEREST RATES | 6471129 | 45316 | 167700 | 6684145 | 27545989 | + | 190245 | 6094490 | 24295031 |
| OPTIONS ONLY- | | | | | | | | | |
| INTEREST RATES | 1295232 | 861046 | 60100 | 2216378 | 43903099 | + | 572547 | 1571117 | 41741971 |
| FORWARD SWAPS ONLY- | | | | | | | | | |
| OPTIONS FORWARD SWAPS ONLY- | | | | | | | | | |

INTEREST RATE FUTURES & OPTIONS

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ED | EURODOLLAR FUTURES | 2552872 | 25990 | 22412 | 2601274 | 13922620 | + | 43015 | 2328815 | 12984195 |
| TYF | 10-YR NOTE FUTURES | 1860656 | 7630 | 30326 | 1898612 | 3502448 | + | 33513 | 1804466 | 3163505 |
| FV | 5-YR NOTE FUTURES | 929302 | 11071 | 54184 | 994557 | 3795389 | + | 45514 | 925612 | 3118368 |
| US | 30-YR BOND FUTURES | 339511 | 625 | 7004 | 347140 | 804855 | + | 8473 | 323123 | 753432 |
| TU | 2-YR NOTE FUTURES | 300536 | | 19861 | 320397 | 1876895 | + | 24615 | 311180 | 1327966 |
| TN | ULTRA 10-YEAR U S TREASURY NOTE FUT | 168582 | | 28556 | 197138 | 545027 | + | 1564 | 154561 | 390157 |
| FF | FED FUND FUTURES | 177696 | | | 177696 | 2058200 | + | 24803 | 134453 | 1705060 |
| UL | ULTRA T-BOND FUTURES | 136024 | | 5357 | 141381 | 973542 | + | 9999 | 108165 | 788626 |
| F1U | 5 YEAR USD INTEREST RATE SWAP | 1986 | | | 1986 | 15960 | - | 878 | 928 | 23221 |
| N1U | 10 YEAR USD INTEREST RATE SWAP | 1766 | | | 1766 | 30799 | - | 729 | 2162 | 29744 |
| SR1 | ONE-MONTH SOFR FUTURES | 1095 | | | 1095 | 7668 | + | 455 | | |
| SR3 | THREE-MONTH SOFR FUTURES | 1083 | | | 1083 | 5117 | - | 114 | | |
| EM | 1 MONTH EURODOLLAR FUTURES | 20 | | | 20 | 7469 | + | 15 | 984 | 10536 |
| B1U | 30 YEAR USD INTEREST RATE SWAP | | | | | | | | 41 | 221 |

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST INTEREST RATES OPTIONS ON FUTURES

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| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TC 10-YR NOTE OPTIONS | C | 250991 | 32186 | | 283177 | 1455090 | + | 43003 | 146326 | 1023329 |
| TC 10-YR NOTE OPTIONS | P | 139035 | 29463 | | 168498 | 1127311 | + | 47481 | 246345 | 1159371 |
| TOTAL 10-YR NOTE OPTIONS | | 390026 | 61649 | | 451675 | 2582401 | + | 90484 | 392671 | 2182700 |
| TY1 10-YR WEEK1 NOTE OPTIONS | C | 21879 | 1205 | | 23084 | 52310 | + | 7781 | 10476 | 15079 |
| TY1 10-YR WEEK1 NOTE OPTIONS | P | 14698 | 2400 | | 17098 | 49921 | + | 7405 | 30045 | 35118 |
| TOTAL 10-YR WEEK1 NOTE OPTIONS | | 36577 | 3605 | | 40182 | 102231 | + | 15186 | 40521 | 50197 |
| TY2 10-YR WEEK2 NOTE OPTIONS | C | 7226 | 700 | | 7926 | 18199 | + | 3302 | 1426 | 12421 |
| TY2 10-YR WEEK2 NOTE OPTIONS | P | 6144 | 400 | | 6544 | 17026 | + | 5066 | 12454 | 17313 |
| TOTAL 10-YR WEEK2 NOTE OPTIONS | | 13370 | 1100 | | 14470 | 35225 | + | 8368 | 13880 | 29734 |
| TY5 10-YR WEEK5 NOTE OPTIONS | C | 40198 | 7750 | | 47948 | 75724 | + | 7596 | 52386 | 92008 |
| TY5 10-YR WEEK5 NOTE OPTIONS | P | 25643 | 5400 | | 31043 | 76213 | + | 10794 | 28305 | 52388 |
| TOTAL 10-YR WEEK5 NOTE OPTIONS | | 65841 | 13150 | | 78991 | 151937 | + | 18390 | 80691 | 144396 |
| TW1 2-YR WEEK1 NOTE OPTIONS | C | | | | | | | | | 322 |
| TW1 2-YR WEEK1 NOTE OPTIONS | P | | | | | 30 | | | | 216 |
| TOTAL 2-YR WEEK1 NOTE OPTIONS | | | | | | 30 | | | | 538 |
| TW5 2-YR WEEK5 NOTE OPTIONS | P | | | | | 539 | | | 5 | 6 |
| TOTAL 2-YR WEEK5 NOTE OPTIONS | | | | | | 539 | | | 5 | 6 |
| EE5 2-YR EURODOLLAR MIDCURVE (WEEKLY) | P | | | | | 2000 | | | | 4000 |
| TOTAL 2-YR EURODOLLAR MIDCURVE (WEEKLY) | | | | | | 2000 | | | | 4000 |
| TUC 2-YR NOTE OPTIONS | C | 5337 | 400 | | 5737 | 141609 | + | 888 | 100 | 30174 |
| TUC 2-YR NOTE OPTIONS | P | 35793 | | | 35793 | 110681 | - | 21724 | 112 | 9856 |
| TOTAL 2-YR NOTE OPTIONS | | 41130 | 400 | | 41530 | 252290 | - | 20836 | 212 | 40030 |
| TW5 2-YR WEEK5 NOTE OPTIONS | C | | | | | 500 | | | | 1 |
| TOTAL 2-YR WEEK5 NOTE OPTIONS | | | | | | 500 | | | | 1 |
| CG 30-YR BOND OPTIONS | C | 34324 | 3964 | | 38288 | 350922 | + | 9314 | 33312 | 252446 |
| CG 30-YR BOND OPTIONS | P | 30859 | 4546 | | 35405 | 316892 | + | 7997 | 71947 | 373922 |
| TOTAL 30-YR BOND OPTIONS | | 65183 | 8510 | | 73693 | 667814 | + | 17311 | 105259 | 626368 |
| US1 30-YR WEEK1 BOND OPTIONS | C | 3652 | | | 3652 | 17352 | + | 1448 | 1988 | 6564 |
| US1 30-YR WEEK1 BOND OPTIONS | P | 1101 | | | 1101 | 12632 | + | 597 | 4129 | 14784 |
| TOTAL 30-YR WEEK1 BOND OPTIONS | | 4753 | | | 4753 | 29984 | + | 2045 | 6117 | 21348 |
| US2 30-YR WEEK2 BOND OPTIONS | C | 1216 | | | 1216 | 2909 | + | 788 | 607 | 3526 |
| US2 30-YR WEEK2 BOND OPTIONS | P | 1057 | | | 1057 | 3464 | + | 610 | 1525 | 9804 |
| TOTAL 30-YR WEEK2 BOND OPTIONS | | 2273 | | | 2273 | 6373 | + | 1398 | 2132 | 13330 |
| US5 30-YR WEEK5 BOND OPTIONS | C | 9200 | | | 9200 | 12702 | - | 668 | 5034 | 29597 |
| US5 30-YR WEEK5 BOND OPTIONS | P | 4282 | | | 4282 | 15133 | + | 1873 | 21081 | 38593 |
| TOTAL 30-YR WEEK5 BOND OPTIONS | | 13482 | | | 13482 | 27835 | + | 1205 | 26115 | 68190 |
| EF5 3-YR EURODOLLAR MIDCURVE (WEEK3) | C | | | | | | | | | 312 |
| EF5 3-YR EURODOLLAR MIDCURVE (WEEK3) | P | | | | | 2000 | | | | 312 |
| TOTAL 3-YR EURODOLLAR MIDCURVE (WEEK3) | | | | | | 2000 | | | | 624 |
| E5 5-YR EURODOLLAR MIDCURVE OPTIONS | C | | | | | 1600 | | | | |
| E5 5-YR EURODOLLAR MIDCURVE OPTIONS | P | | | | | 3500 | | | | |
| TOTAL 5-YR EURODOLLAR MIDCURVE OPTIONS | | | | | | 5100 | | | | |
| FP 5-YR NOTE OPTIONS | C | 63822 | 36567 | 8000 | 108389 | 544330 | + | 21546 | 17272 | 218596 |
| FP 5-YR NOTE OPTIONS | P | 44942 | 9668 | | 54610 | 947540 | + | 19345 | 43496 | 788872 |
| TOTAL 5-YR NOTE OPTIONS | | 108764 | 46235 | 8000 | 162999 | 1491870 | + | 40891 | 60768 | 1007468 |
| FV1 5-YR WEEK1 NOTE OPTIONS | C | 1857 | | | 1857 | 22279 | + | 401 | 280 | 6478 |
| FV1 5-YR WEEK1 NOTE OPTIONS | P | 2529 | | | 2529 | 16827 | + | 1307 | 3170 | 19077 |
| TOTAL 5-YR WEEK1 NOTE OPTIONS | | 4386 | | | 4386 | 39106 | + | 1708 | 3450 | 25555 |
| FV2 5-YR WEEK2 NOTE OPTIONS | C | 785 | | | 785 | 2867 | + | 705 | 159 | 3966 |
| FV2 5-YR WEEK2 NOTE OPTIONS | P | 1315 | 3900 | | 5215 | 6285 | + | 5115 | 201 | 9431 |
| TOTAL 5-YR WEEK2 NOTE OPTIONS | | 2100 | 3900 | | 6000 | 9152 | + | 5820 | 360 | 13397 |
| FV5 5-YR WEEK5 NOTE OPTIONS | C | 2415 | 600 | | 3015 | 20881 | - | 1177 | 1679 | 12228 |
| FV5 5-YR WEEK5 NOTE OPTIONS | P | 10563 | | | 10563 | 14892 | + | 1746 | 3913 | 8882 |
| TOTAL 5-YR WEEK5 NOTE OPTIONS | | 12978 | 600 | | 13578 | 35773 | + | 569 | 5592 | 21110 |
| TE2 EURODOLLAR 3-MONTH MID-CURVE OPTION | C | | | | | 3300 | | | | |
| TE2 EURODOLLAR 3-MONTH MID-CURVE OPTION | P | | 200 | | 200 | 3000 | + | 200 | | |
| TOTAL EURODOLLAR 3-MONTH MID-CURVE OPTION | | | 200 | | 200 | 6300 | + | 200 | | |
| TE3 EURODOLLAR 6-MONTH MID-CURVE OPTION | C | | | | | 7251 | | | | |
| TE3 EURODOLLAR 6-MONTH MID-CURVE OPTION | P | | | | | 7251 | | | | |
| TOTAL EURODOLLAR 6-MONTH MID-CURVE OPTION | | | | | | 14502 | | | | |
| E0 EURODOLLAR MIDCURVE OPTIONS | C | 36180 | 38881 | 20000 | 95061 | 2966467 | + | 42056 | 105896 | 2237829 |
| E0 EURODOLLAR MIDCURVE OPTIONS | P | 55497 | 38150 | | 93647 | 4371455 | - | 6005 | 139475 | 4067026 |
| TOTAL EURODOLLAR MIDCURVE OPTIONS | | 91677 | 77031 | 20000 | 188708 | 7337922 | + | 36051 | 245371 | 6304855 |
| E2 EURODOLLAR MIDCURVE OPTIONS | C | 55399 | 34900 | | 90299 | 2110478 | + | 28488 | 48614 | 1992614 |
| E2 EURODOLLAR MIDCURVE OPTIONS | P | 84792 | 49200 | 32100 | 166092 | 3361908 | + | 21383 | 134205 | 3492020 |
| TOTAL EURODOLLAR MIDCURVE OPTIONS | | 140191 | 84100 | 32100 | 256391 | 5472386 | + | 49871 | 182819 | 5484634 |
| E3 EURODOLLAR MIDCURVE OPTIONS | C | 10812 | 17150 | | 27962 | 996079 | + | 6735 | 39611 | 898112 |
| E3 EURODOLLAR MIDCURVE OPTIONS | P | 2616 | 39950 | | 42566 | 921291 | + | 16868 | 59181 | 1125486 |
| TOTAL EURODOLLAR MIDCURVE OPTIONS | | 13428 | 57100 | | 70528 | 1917370 | + | 23603 | 98792 | 2023598 |
| E4 EURODOLLAR MIDCURVE OPTIONS | C | 673 | 3350 | | 4023 | 98892 | + | 2423 | 569 | 110649 |
| E4 EURODOLLAR MIDCURVE OPTIONS | P | 673 | 3350 | | 4023 | 52440 | + | 2623 | 569 | 67311 |
| TOTAL EURODOLLAR MIDCURVE OPTIONS | | 1346 | 6700 | | 8046 | 151332 | + | 5046 | 1138 | 177960 |
| 5K EURODOLLAR MIDCURVE WK5 OPTIONS | C | | | | | | | | | 250 |
| 5K EURODOLLAR MIDCURVE WK5 OPTIONS | P | | | | | 2000 | | | | 250 |
| TOTAL EURODOLLAR MIDCURVE WK5 OPTIONS | | | | | | 2000 | | | | 500 |
| ZE EURODOLLAR OPTIONS | C | 78271 | 63806 | | 142077 | 8333135 | + | 49685 | 18130 | 8534240 |
| ZE EURODOLLAR OPTIONS | P | 174016 | 432860 | | 606876 | 15187829 | + | 274290 | 268629 | 14950719 |
| TOTAL EURODOLLAR OPTIONS | | 252287 | 496666 | | 748953 | 23520964 | + | 323975 | 286759 | 23484959 |
| FFC FED FUND OPTIONS | C | | | | | 1450 | | | | 500 |
| FFC FED FUND OPTIONS | P | | | | | 3326 | | | 400 | 901 |
| TOTAL FED FUND OPTIONS | | | | | | 4776 | | | 400 | 1401 |
| OTN OPTIONS ON ULTRA 10-YEAR U.S. TNOTE | C | | | | | | | | | 11 |
| OTN OPTIONS ON ULTRA 10-YEAR U.S. TNOTE | P | | | | | | | | | 112 |
| TOTAL OPTIONS ON ULTRA 10-YEAR U.S. TNOTE | | | | | | | | | | 123 |
| OUL ULTRA T-BOND OPTIONS | C | 2 | | | 2 | 1326 | + | 2 | 17 | 274 |
| OUL ULTRA T-BOND OPTIONS | P | 192 | | | 192 | 11445 | + | 192 | 2 | 7558 |
| TOTAL ULTRA T-BOND OPTIONS | | 194 | | | 194 | 12771 | + | 194 | 19 | 7832 |
| WY1 WK WEDS 10 YR TREASURY NOTE OPTIONS | C | 6658 | | | 6658 | 8925 | + | 5722 | 660 | 1160 |
| WY1 WK WEDS 10 YR TREASURY NOTE OPTIONS | P | 7918 | | | 7918 | 9023 | + | 6607 | 2902 | 2843 |
| TOTAL WK WEDS 10 YR TREASURY NOTE OPTIONS | | 14576 | | | 14576 | 17948 | + | 12329 | 3562 | 4003 |
| WY4 WK WEDS 10 YR TREASURY NOTE OPTIONS | C | 4947 | | | 4947 | | - | 20790 | 6005 | |
| WY4 WK WEDS 10 YR TREASURY NOTE OPTIONS | P | 9468 | 100 | | 9568 | | - | 22678 | 3303 | |
| TOTAL WK WEDS 10 YR TREASURY NOTE OPTIONS | | 14415 | 100 | | 14515 | | - | 43468 | 9308 | |
| WB1 WK WEDS 30 YR TREASURY BOND OPTIONS | C | 163 | | | 163 | 301 | + | 151 | 2 | 106 |
| WB1 WK WEDS 30 YR TREASURY BOND OPTIONS | P | 91 | | | 91 | 88 | + | 85 | 1312 | 1873 |
| TOTAL WK WEDS 30 YR TREASURY BOND OPTIONS | | 254 | | | 254 | 389 | + | 236 | 1314 | 1979 |
| WB4 WK WEDS 30 YR TREASURY BOND OPTIONS | C | 1754 | | | 1754 | | - | 1512 | 1447 | |
| WB4 WK WEDS 30 YR TREASURY BOND OPTIONS | P | 2122 | | | 2122 | | - | 8373 | 1114 | |
| TOTAL WK WEDS 30 YR TREASURY BOND OPTIONS | | 3876 | | | 3876 | | - | 9885 | 2561 | |
| WF1 WK WEDS 5 YR TREASURY NOTE OPTIONS | C | 66 | | | 66 | 1526 | + | 66 | 235 | 702 |
| WF1 WK WEDS 5 YR TREASURY NOTE OPTIONS | P | 753 | | | 753 | 753 | + | 753 | 100 | 433 |
| TOTAL WK WEDS 5 YR TREASURY NOTE OPTIONS | | 819 | | | 819 | 2279 | + | 819 | 335 | 1135 |
| WF4 WK WEDS 5 YR TREASURY NOTE OPTIONS | C | 671 | | | 671 | | - | 6771 | 830 | |
| WF4 WK WEDS 5 YR TREASURY NOTE OPTIONS | P | 635 | | | 635 | | - | 2192 | 136 | |
| TOTAL WK WEDS 5 YR TREASURY NOTE OPTIONS | | 1306 | | | 1306 | | - | 8963 | 966 | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT.I IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.
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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST METAL FUTURES

02B
Side 01

***2018 DAILY INFORMATION BULLETIN -*** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL

PG02B BULLETIN #123@ EXCHANGE SUMMARY VOLUME AND OPEN INTEREST METAL FUTURES Wed, Jun 27, 2018 PG02B

EXCHANGE OVERALL VOLUME AND OPEN INTEREST TOTALS

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| * CME GROUP TOTALS- | | | | | | | | | |
| EXCHANGE | 17752875 | 989053 | 588140 | 19330068 | 114622459 | + | 996183 | 16309054 | 112344043 |
| EXCHANGE FUTURES | 15141381 | 47541 | 399970 | 15588892 | 54079691 | + | 189903 | 13517351 | 53989442 |
| EXCHANGE OPTIONS | 2611494 | 941512 | 186310 | 3739316 | 60514036 | + | 804931 | 2790833 | 58306083 |
| OTC TOTALS- | | | | | | | | | |
| OTC CLEARED ONLY | | | 1860 | 1860 | 28732 | + | 1349 | 870 | 48518 |
| FUTURES & OPTIONS - | | | | | | | | | |
| METALS | 703599 | | 30453 | 734052 | 2552068 | + | 32841 | 504801 | 2042345 |
| FUTURES ONLY - | | | | | | | | | |
| METALS | 639156 | | 15770 | 654926 | 1189697 | - | 653 | 464903 | 1120822 |
| OPTIONS ONLY - | | | | | | | | | |
| METALS | 64443 | | 14683 | 79126 | 1362371 | + | 33494 | 39898 | 921523 |

METALS FUTURES & OPTIONS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| GC | COMEX GOLD FUTURES | 263631 | 6646 | 270277 | 470312 | + | 1739 | 201832 | 452568 |
| SI | COMEX SILVER FUTURES | 166238 | 4659 | 170897 | 218236 | - | 256 | 128902 | 202780 |
| HG | COMEX COPPER FUTURES | 156806 | 1445 | 158251 | 266813 | - | 1901 | 96973 | 256762 |
| PL | NYMEX PLATINUM FUTURES | 39536 | 1385 | 40921 | 86252 | - | 200 | 29919 | 74325 |
| MGC | 10 TROY OZ GOLD FUTURES | 5915 | | 5915 | 10242 | - | 268 | 3354 | 5188 |
| PA | NYMEX PALLADIUM FUTURES | 5330 | 355 | 5685 | 21908 | - | 51 | 2556 | 35526 |
| SIL | 1000 OZ SILVER FUTURES | 969 | | 969 | 1610 | - | 12 | 720 | 903 |
| AUP | ALUMINUM MW TRANS PREM PLATTS SWAPS | 82 | 703 | 785 | 31967 | - | 183 | 60 | 31870 |
| TIO | IRON ORE 62 CHINA (TSI) FUTURES | | 372 | 372 | 10261 | + | 171 | 230 | 17512 |
| QO | E-MINI GOLD FUTURES | 327 | | 327 | 847 | + | 44 | 227 | 622 |
| EDP | ALUMINIUM EURO PREM DUTY-PAID FUT | | 180 | 180 | 10105 | + | 180 | | 7807 |
| ZNC | ZINC FUTURES | 123 | | 123 | 24 | - | 3 | | 30 |
| QI | E-MINI SILVER FUTURES | 107 | | 107 | 347 | + | 14 | 53 | 149 |
| HRC | HOT ROLLED COIL STEEL (CRU) FUTURES | 47 | 25 | 72 | 14765 | + | 60 | 37 | 14987 |
| QC | COMEX E-MINI COPPER FUTURES | 45 | | 45 | 105 | + | 13 | 17 | 340 |
| UX | NYMEX URANIUM | | | | 2690 | | | | 4988 |
| PIO | IRON ORE 62 CHINA (PLATTS) FUTURES | | | | 600 | | | | 1612 |
| MJP | ALUMINUM JAPAN PREMIUM (PLATTS) FUT | | | | 8952 | | | | 5122 |
| HGS | COMEX COPPER SWAP FUTURES | | | | 13325 | | | | 923 |
| GCK | KILO GOLD FUTURES | | | | | | | 32 | 19 |
| CUP | COPPER PREMIUM GRADE A CIF SHANGHAI | | | | 80 | | | | |
| BUS | U.S. MIDWEST BUSHELING SCRAP | | | | 3155 | | | 30 | 255 |
| ALI | COMEX PHYSICAL ALUMINUM FUTURES | | | | | | | 20 | 501 |
| ALA | ALUMINA FOB S&P GLOBAL PLATTS FUT | | | | 2770 | | | | 10 |
| AEP | ALUMINIUM EURO PREM METAL BULLETIN | | | | 14331 | | | | 13972 |
| A38 | ALUMINUM A-380 ALLOY PLATTS FUTURES | | | | | | | | 10 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.
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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST METAL OPTIONS ON FUTURES

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

02B
Side 02

## FINAL



| | | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|
| HX COMEX COPPER OPTIONS | C | 669 | | 750 | 1419 | 9889 | + | 698 | 39 | 1190 |
| HX COMEX COPPER OPTIONS | P | 534 | | 400 | 934 | 8412 | + | 689 | 236 | 1316 |
| TOTAL COMEX COPPER OPTIONS | | 1203 | | 1150 | 2353 | 18301 | + | 1387 | 275 | 2506 |
| OG COMEX GOLD OPTIONS | C | 25930 | | 5425 | 31355 | 744237 | + | 16302 | 26360 | 621948 |
| OG COMEX GOLD OPTIONS | P | 23646 | | 6010 | 29656 | 393491 | + | 10292 | 10478 | 313419 |
| TOTAL COMEX GOLD OPTIONS | | 49576 | | 11435 | 61011 | 1137728 | + | 26594 | 36838 | 935367 |
| SO COMEX SILVER OPTIONS | C | 5309 | | 30 | 5339 | 110135 | + | 2246 | 1936 | 68084 |
| SO COMEX SILVER OPTIONS | P | 6931 | | 2068 | 8999 | 77504 | + | 2412 | 1196 | 32296 |
| TOTAL COMEX SILVER OPTIONS | | 12240 | | 2098 | 14338 | 187639 | + | 4658 | 3132 | 100380 |
| OG1 GOLD OPTIONS | C | 120 | | | 120 | 1060 | + | 89 | 52 | 194 |
| OG1 GOLD OPTIONS | P | 61 | | | 61 | 1204 | + | 34 | 2 | 467 |
| TOTAL GOLD OPTIONS | | 181 | | | 181 | 2264 | + | 123 | 54 | 661 |
| OG2 GOLD OPTIONS | C | 29 | | | 29 | 317 | + | 11 | | 91 |
| OG2 GOLD OPTIONS | P | 65 | | | 65 | 480 | + | 50 | 200 | 392 |
| TOTAL GOLD OPTIONS | | 94 | | | 94 | 797 | + | 61 | 200 | 483 |
| OG3 GOLD OPTIONS | C | 10 | | | 10 | 10 | + | 10 | | |
| OG3 GOLD OPTIONS | P | 75 | | | 75 | 115 | + | 75 | | 1 |
| TOTAL GOLD OPTIONS | | 85 | | | 85 | 125 | + | 85 | | 1 |
| OG5 GOLD OPTIONS | C | 244 | | | 244 | 1332 | + | 93 | 48 | 1558 |
| OG5 GOLD OPTIONS | P | 316 | | | 316 | 2029 | + | 81 | 71 | 1060 |
| TOTAL GOLD OPTIONS | | 560 | | | 560 | 3361 | + | 174 | 119 | 2618 |
| HRO HOT ROLLED COIL STEEL | C | | | | | 700 | | | | |
| TOTAL HOT ROLLED COIL STEEL | | | | | | 700 | | | | |
| ICT IRON ORE 62 CHINA (TSI) | C | | | | | 1650 | | | | 10301 |
| ICT IRON ORE 62 CHINA (TSI) | P | | | | | 640 | | | | 4590 |
| TOTAL IRON ORE 62 CHINA (TSI) | | | | | | 2290 | | | | 14891 |
| PAO NYMEX PALLADIUM OPTIONS | C | 25 | | | 25 | 1384 | + | 5 | 530 | 2626 |
| PAO NYMEX PALLADIUM OPTIONS | P | | | | | 1086 | | | 40 | 3921 |
| TOTAL NYMEX PALLADIUM OPTIONS | | 25 | | | 25 | 2470 | + | 5 | 570 | 6547 |
| PO PLATINUM OPTIONS | C | 47 | | | 47 | 4887 | + | 42 | 20 | 1798 |
| PO PLATINUM OPTIONS | P | 29 | | | 29 | 862 | + | 19 | 5 | 952 |
| TOTAL PLATINUM OPTIONS | | 76 | | | 76 | 5749 | + | 61 | 25 | 2750 |
| SO1 SILVER OPTIONS | C | 37 | | | 37 | 110 | + | 37 | | |
| SO1 SILVER OPTIONS | P | 131 | | | 131 | 248 | + | 131 | | |
| TOTAL SILVER OPTIONS | | 168 | | | 168 | 358 | + | 168 | | |
| SO2 SILVER OPTIONS | C | 1 | | | 1 | 17 | + | 1 | | |
| SO2 SILVER OPTIONS | P | 39 | | | 39 | 46 | + | 39 | | |
| TOTAL SILVER OPTIONS | | 40 | | | 40 | 63 | + | 40 | | |
| SO3 SILVER OPTIONS | C | 28 | | | 28 | 48 | + | 28 | | |
| SO3 SILVER OPTIONS | P | | | | | 10 | | | | |
| TOTAL SILVER OPTIONS | | 28 | | | 28 | 58 | + | 28 | | |
| SO5 SILVER OPTIONS | C | 20 | | | 20 | 175 | + | 20 | | 3 |
| SO5 SILVER OPTIONS | P | 147 | | | 147 | 293 | + | 90 | | |
| TOTAL SILVER OPTIONS | | 167 | | | 167 | 468 | + | 110 | | 3 |

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST ENERGY FUTURES

02C
Side 01

***2018 DAILY INFORMATION BULLETIN -*** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL

PG02C BULLETIN #123@ EXCHANGE SUMMARY VOLUME AND OPEN INTEREST ENERGY FUTURES Wed, Jun 27, 2018 PG02C

### EXCHANGE OVERALL VOLUME AND OPEN INTEREST TOTALS

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| * CME GROUP TOTALS- | | | | | | | | | |
| EXCHANGE | 17752875 | 989053 | 588140 | 19330068 | 114622459 | + | 996183 | 16309054 | 112344043 |
| EXCHANGE FUTURES | 15141381 | 47541 | 399970 | 15588892 | 54079691 | + | 189903 | 13517351 | 53989442 |
| EXCHANGE OPTIONS | 2611494 | 941512 | 186310 | 3739316 | 60514036 | + | 804931 | 2790833 | 58306083 |
| OTC TOTALS- | | | | | | | | | |
| OTC CLEARED ONLY | | | 1860 | 1860 | 28732 | + | 1349 | 870 | 48518 |
| FUTURES & OPTIONS - | | | | | | | | | |
| ENERGY | 2616524 | | 238017 | 2854541 | 20914296 | + | 123472 | 2252594 | 23611159 |
| FUTURES ONLY - | | | | | | | | | |
| ENERGY | 2319496 | | 126990 | 2446486 | 14297316 | + | 39536 | 1991276 | 17558550 |
| OPTIONS ONLY - | | | | | | | | | |
| ENERGY | 297028 | | 111027 | 408055 | 6616980 | + | 83936 | 261318 | 6052609 |
| **CORE ENERGY FUTURES** | | | | | | | | | |
| CL NYMEX CRUDE OIL (PHYSICAL) | 1462862 | | 24802 | 1487664 | 2467781 | + | 43952 | 1165420 | 2150910 |
| HO NYMEX HEATING OIL (PHYSICAL) | 181322 | | 9555 | 190877 | 376110 | + | 828 | 130209 | 421026 |
| RB NYMEX NY HARBOR GAS (RBOB) (PHY) | 206294 | | 11438 | 217732 | 440894 | - | 2684 | 221967 | 408039 |
| NG NATURAL GAS HENRY HUB (PHYSICAL) | 335185 | | 9385 | 344570 | 1469476 | + | 11549 | 302572 | 1331496 |
| BZ NYMEX BRENT OIL LAST DAY FUTURES | 99681 | | 1760 | 101441 | 208791 | - | 1454 | 80955 | 133889 |
| 7F EUROPEAN GASOIL ICE FUTURE | 20 | | | 20 | 150 | | | 190 | 1266 |
| QM E-MINI CRUDE OIL FUTURES | 21799 | | | 21799 | 3819 | + | 160 | 13952 | 6018 |
| QH E-MINI HEATING OIL FUTURES | | | | | 1 | | | | 1 |
| QG E-MINI NATURAL GAS | 1227 | | | 1227 | 1271 | - | 253 | 763 | 1401 |
| **CRUDE OIL ENERGY FUTURES** | | | | | | | | | |
| E5 ARGUS LLS VS. WTI (ARG) TRD M | | | 1705 | 1705 | 56073 | + | 425 | | 9049 |
| 38 ARGUS SOUR CRUDE NDX VS WTI DIF CAL | | | | | 1485 | | | | |
| J9 BRENT BALMO | | | | | | | | | 150 |
| CY BRENT CALENDAR | | | | | 19841 | | | 30 | 15826 |
| CC5 CANADIAN C5+ CONDENSATE INDEX FUT | | | | | | | | | 360 |
| WCC CANADIAN HEAVY CRUDE(NET ENRGY) FUT | | | | | 800 | | | | 6305 |
| CIL CANADIAN LIGHT SWEET OIL | | | | | 35 | | | 15 | 3639 |
| CSW CLEARBROOK BAKKEN CRUDE OIL INDEX | | | | | | | | | 820 |
| 7G DATED BRENT (PLATTS) DAILY | | | | | | | | | 140 |
| FY DATED TO FRONTLINE BRENT CLNDR | | | 240 | 240 | 5420 | + | 240 | | 10515 |
| DC DUBAI CRUDE OIL CALENDAR | | | | | 2671 | | | 270 | 18715 |
| UB EUROPE DATED BRENT | | | | | 150 | | | | 4 |
| MB GULF COAST SOUR CRUDE OIL FUTURES | | | | | 200 | | | | 1700 |
| DB ICE BRENT DUBAI | | | 1050 | 1050 | 46675 | | | 100 | 46834 |
| LSW LIGHT SWEET OIL NET ENERGY MONTHLY | | | | | 875 | | | | 210 |
| WJ LLS (ARGUS) VS WTI | | | 510 | 510 | 35445 | + | 195 | | 22334 |
| LPS LOOP CRUDE OIL STORAGE FUTURES | | | | | 19200 | | | | 17100 |
| YX MARS (ARGUS) VS WTI | | | 300 | 300 | 10460 | | | | 8033 |
| YV MARS (ARGUS) VS WTI TRD MTH | | | 330 | 330 | 26625 | - | 318 | 850 | 18760 |
| DBL MINI DUBAI CRUDE OIL (PLATTS) FUT | | | | | | | | 150 | 150 |
| BB NYMEX BRENT FINANCIAL FUTURES | | | | | 3848 | | | | 6462 |
| SSW SYNTHETIC SWEET OIL MONTHLY FUT | | | | | | | | | 90 |
| UMD URALS MED VS DATED BRENT FUTURE | | | | | 200 | | | | |
| UNS URALS NORTH VS MED DATED STRIP FUT | | | | | 1000 | | | | |
| CS WEST TEXAS INTER CRUDE OIL CAL | | | 2373 | 2373 | 177154 | + | 460 | 857 | 120986 |
| WCW WESTERN CANADIAN SELECT OIL MONTHLY | | | | | 19504 | | | 450 | 9750 |
| 42 WTI BALMO | | | | | 412 | | | | 110 |
| WS WTI FINANCIAL FUTURES | | | | | 572 | | | | 1693 |
| HTT WTI HOUSTON ARGUS V.WTI TRADE MONTH | | | 3550 | 3550 | 133617 | + | 1835 | 360 | 31260 |
| WTT WTI MIDLAND (ARG) VS. WTI TRADE MTH | | | 600 | 600 | 184918 | + | 585 | | 29183 |
| FF WTI MIDLAND(ARGUS) VS WTI FINCL FUT | | | 18 | 18 | 58857 | + | 18 | 720 | 49875 |
| BY WTI-BRENT BULLET | | | | | 7054 | | | | 904 |
| BK WTI-BRENT CALENDAR | | | 2805 | 2805 | 128898 | + | 720 | 724 | 36381 |
| FH WTS (ARGUS) VS WTI TRD MTH | | | | | 3900 | | | | 1280 |
| **NATURAL GAS ENERGY FUTURES** | | | | | | | | | |
| N7 ALGON CITY GATES NAT GAS INDEX | | | | | | | | | 1224 |
| B4 ALGONQUIN CITYGATES BASIS | | | | | | | | | 1254 |
| NE ANR OKLAHOMA | | | | | 978 | | | | 2625 |
| PW CENTERPOINT BASIS | | | | | 5813 | | | | 14112 |
| CI CIG BASIS | | | | | 14916 | | | | 35794 |
| XIC CIG ROCKIES NAT GAS (PLATTS) FUT | | | | | | | | | 36 |
| 5Z COLUMB GULF MAINLINE NG BASIS | | | | | 2000 | | | | 11718 |
| GL COLUMBIA GULF ONSHORE BASIS | | | | | | | | | 8648 |
| DSF DOMINION (IFERC) FIXED PRICE | | | | | | | | | 540 |
| IH DOMINION TRAN INC - APP INDEX | | | | | 1712 | | | | 2920 |
| PG DOMINION TRANSMISSION INC -APPALAC | | | | | 20083 | | | | 49816 |
| TTF DUTCH TTF NATURAL GAS CAL MONTH FUT | 10 | | | 10 | 170 | - | 10 | | |
| TTE DUTCH TTF NATURAL GAS FRONT MTH FUT | | | | | 6 | | | | |
| NN HENRY HUB | | | 8013 | 8013 | 1142688 | + | 5177 | 386 | 1313813 |
| HB HENRY HUB BASIS | | | | | 2836 | | | 2046 | 22392 |
| IN HENRY HUB INDEX FUTURE | | | | | 2464 | | | 2046 | 20917 |
| HH HENRY HUB NG LAST DAY FINANCIAL | 10171 | | 6231 | 16402 | 447439 | + | 4918 | 13556 | 402748 |
| NPG HENRY HUB PENULTIMATE FUT | | | | | 163887 | - | 11766 | 2332 | 239058 |
| NHN HOUSTON SHIP CHANNEL BASIS | | | | | 14453 | | | | 22052 |
| XJ HOUSTON SHIP CHANNEL PIPE | | | | | | | | | 1087 |
| JKM LNG JAPAN KOREA MARKER PLATTS | | | | | 2080 | | | | |
| NF MICHIGAN BASIS | | | | | 3582 | | | | 8917 |
| NL NGPL MID-CONTINENT | | | | | 17922 | | | | 27036 |
| PD NGPL TEX /OK | | | | | 23509 | | | | 31155 |
| PE NORTHEN NATURAL GAS DEMARCATION | | | | | 968 | | | | 2540 |
| PF NORTHEN NATURAL GAS VENTURA IOWA | | | | | 1432 | | | | 3412 |
| XR NORTHERN ROCKIES PIPE | | | | | | | | | 365 |
| NR NORTHWEST ROCKIES BASIS FUTURE | | | | | 27925 | | | | 55234 |
| HP NYMEX NATURAL GAS FUTURES | 64 | | 1935 | 1999 | 78230 | - | 19084 | 5653 | 128569 |
| 8X ONEOK OKLAHOMA NG BASIS | | | | | 368 | | | | 1106 |
| PH PANHANDLE BASIS FUTURE | | | | | 9171 | | | | 28458 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007. VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR NYMEX AND COMEX PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER JUNE 1, 2008. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES,SPREADS,PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS,OPTIONS EXERCISES,POSITIONS IN DELIVERY,OR POSITIONS IN A CASH SETT CYCLE;GLOBEX VOLUME INCLUDES SIDE-BY-SIDE ACTIVITY. R=RECORD VOLUME OR OPEN INTEREST.THE INFORMATION CONTAINED IN THE REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT.I IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM,DEMAND,OR CAUSE FOR ACTION.
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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST ENERGY FUTURES

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**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|
| XH | PANHANDLE PIPE | | | | | 1182 | | | | 864 |
| PM | PERMIAN BASIS | | | | | 7022 | | | | 15567 |
| NJ | SAN JUAN BASIS | | | | | 13972 | | | | 28440 |
| XX | SAN JUAN PIPE | | | | | 360 | | | | |
| SZ | SONAT BASIS FUTURE | | | | | | | | | 368 |
| 8Z | SOUTH STAR TEX OKLHM KNS NG B | | | | | 60 | | | | 216 |
| NK | SUMAS BASIS | | | | | 4139 | | | | 8510 |
| DVS | SUMAS NAT GAS PLATTS FIXED PRICE | | | | | | | | | 368 |
| TC | TCO BASIS | | | | | 6591 | | | | 21082 |
| NM | TENNESSEE 500 LEG BASIS | | | | | | | | | 246 |
| 6Z | TENNESSEE 800 LEG NG BASIS | | | | | | | | | 246 |
| NQ | TENNESSEE ZONE 0 BASIS | | | | | | | | | 850 |
| IX | TETCO M-3 INDEX | | | | | | | | | 4284 |
| TX | TETCO STX BASIS | | | | | 368 | | | | 1282 |
| NX | TEXAS EASTERN ZONE M-3 BASIS | | | | | 4143 | | | | 15199 |
| 9F | TEXAS GAS ZONE1 NG BASIS | | | | | 2888 | | | | 9864 |
| CZ | TRANSCO ZONE 3 BASIS | | | | | 1656 | | | | 5611 |
| Y6 | TRANSCO ZONE 3 NG INDEX | | | | | | | | | 5202 |
| NZ | TRANSCO ZONE 6 BASIS | | | | | 1409 | | | | 5879 |
| TZI | TRANSCO ZONE 6 GAS INDEX | | | | | | | | | 612 |
| IT | TRANSCO ZONE 6 INDEX | | | | | | | | | 1224 |
| TZ6 | TRANSCO ZONE 6 NON NY BASIS | | | | | 4027 | | | | 9793 |
| TR | TRANSCO ZONE4 BASIS | | | | | 5442 | | | | 18370 |
| UKG | UK NBP NAT GAS CAL MTH FUT | 472 | | | 472 | 417 | + | 144 | | |
| NBP | UK NBP NATURAL GAS FRONT MTH FUT | 330 | | | 330 | 42 | + | 36 | | |
| NW | WAHA BASIS | | | | | 4271 | | | | 8699 |

### PETROLEUM ENERGY FUTURES

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1W | 1% FUEL OIL (PLT) CARG CIF MED | | | | | 98 | | | | 31 |
| 1X | 1% FUEL OIL (PLT) CARG CIF NWE | | | | | 57 | | | | |
| FOM | 1% FUEL OIL PLATTS FOB BALMO | | | | | | | | | 10 |
| 33 | 1% FUEL OIL RDM VS 1% OIL NWE PLTS | | | | | | | | | 94 |
| FVB | 1.0% FUEL OIL (PLATTS) FOB NWE | | | | | 30 | | | | |
| BOB | 3.5% FUEL OIL (PLATTS) FOB RDA | | | 140 | 140 | 4673 | - | 33 | 115 | 5316 |
| 7D | 3.5% FUEL OIL CID MED | | | | | 248 | | | | 487 |
| 63 | 3.5% FUEL OIL RDAM VS FOB MED BALM | | | | | 35 | | | | |
| FCB | 3.5% FUELOIL FOB RDAM CRK SPD BALMO | | | | | | | | | 96 |
| EOB | ARGUS GASOLINE NWE CRACK SPR | | | | | 93 | | | | 49 |
| 5C | CHICAGO ULSD PL VS HO SPR | | | | | 1116 | | | | 1234 |
| 3C | CHICAGO UNL GAS PL VS RBOB SPR | | | 25 | 25 | 625 | + | 25 | | 21 |
| EWN | E/W NAPHTHA JAPAN CF-CARGOS CIF NWE | | | 76 | 76 | 1149 | + | 51 | 27 | 1203 |
| EW | EAST/WEST FUEL OIL SPREAD | | | | | 97 | | | | 714 |
| EWG | EAST-WST GASOLINE SPREAD PLATTS/ARG | | | | | 7691 | | | | 4316 |
| A5 | EIA FLAT TAX ONHWAY DIESEL | | | 76 | 76 | 2005 | + | 65 | 603 | 4212 |
| JE | EIA FLAT TAX US RETAIL GASOLINE | | | | | 215 | | | | 420 |
| EFM | EUR 1%FUEL OIL CARGO FOB MED PLATTS | | | | | | | | | 43 |
| ENS | EUR1%FUEL OIL FOB MED-EUR1% FOB NWE | | | | | 150 | | | 20 | 95 |
| EFF | EUR3.5%FUEL OIL CARGO FOB MED BALMO | | | | | | | | | 10 |
| KX | EURO 1% FUEL OIL NEW BALMO | | | | | 3 | | | | |
| KR | EURO 3.5% FUEL OIL RDAM BALMO | | | | | 651 | | | | 336 |
| FK | EURO 3.5% FUEL OIL SPREAD | | | | | 238 | | | 10 | 1232 |
| ET | EURO DIESEL 10PPM VS ICE | | | | | 319 | | | 5 | 298 |
| EPN | EURO PPNE CIFARG VS NAPHTHA NWE SW | | | 118 | 118 | 1406 | + | 88 | 24 | 580 |
| 43 | EUROP NAPHTHA PLATTS CRCK SPR BALMO | | | | | 354 | | | | 258 |
| UF | EUROPE 1% FUEL OIL NWE CAL | | | | | 179 | | | | 128 |
| UH | EUROPE 1% FUEL OIL RDAM CAL | | | | | 3 | | | | 10 |
| UI | EUROPE 3.5% FUEL OIL MED CAL | | | | | 291 | | | | 530 |
| UV | EUROPE 3.5% FUEL OIL RDAM CAL | | | 690 | 690 | 13466 | + | 3 | 487 | 10984 |
| UJ | EUROPE JET KERO NWE CAL | | | | | 24 | | | | 53 |
| UN | EUROPE NAPHTHA CAL | | | 185 | 185 | 3024 | + | 82 | 131 | 2595 |
| KZ | EUROPEAN NAPHTHA BALMO | | | | | 249 | | | 5 | 657 |
| EN | EUROPEAN NAPTHA CRACK SPREAD | | | 390 | 390 | 15395 | + | 85 | 140 | 11843 |
| FS | FUEL OIL CARGOES VS.BARGES | | | | | 730 | | | 9 | 1310 |
| FO | FUEL OIL CRACK VS ICE | | | 36 | 36 | 12695 | + | 36 | 135 | 21211 |
| FI | FUEL OIL NWE CRACK VS ICE | | | | | 171 | | | | |
| GCI | G. COAST #6 FUEL OIL 3.0% VS BRENT | | | | | 2674 | | | | 4281 |
| 7R | GAS EUROBOB (ARGUS) BALMO | | | | | 153 | | | | 463 |
| 7I | GAS EUROBOB (ARGUS) CRK BALMO | | | | | | | | | 100 |
| 7K | GAS EURO-BOB OXY (ARG) CRACK | | | 727 | 727 | 35158 | + | 93 | 1319 | 32291 |
| 7H | GAS EURO-BOB OXY (ARG) NEW BRG | | | 337 | 337 | 6762 | + | 65 | 220 | 5992 |
| GOC | GASOIL (ICE) CRACK SPREAD | | | | | 39 | | | 15 | 106 |
| WQ | GASOIL 0.1 RDAM BRGS VS ICE | | | | | 124 | | | | 155 |
| VL | GASOIL 0.1 ROTTERDAM BARGES SW | | | 30 | 30 | 375 | + | 30 | | 40 |
| Z5 | GASOIL 0.1CIF MED VS ICE GAS | | | | | 5 | | | | 35 |
| TP | GASOIL 10PPM VS ICE | | | | | 332 | | | | 811 |
| BG | GASOIL BULLET | | | | | | | | | 30 |
| GX | GASOIL CALENDAR | | | | | 32 | | | | 68 |
| GZ | GASOIL CRACK SPREAD CALENDAR | | | | | 20488 | | | 120 | 24232 |
| QA | GASOIL MINI CALENDAR | | | | | 555 | | | | 391 |
| A7 | GROUP THREE ULSD (PLATTS) | | | | | 155 | | | | 175 |
| A9 | GROUP THREE UNLEAD GAS (PLTS) | | | | | 425 | | | | |
| A6 | GRP THREE ULSD(PLT)VS HEAT OIL | | | 75 | 75 | 10335 | + | 75 | | 8442 |
| A8 | GRP THREE UNL GS (PLT) VS RBOB | | | | | 3618 | | | | 2920 |
| CRB | GULF CBOB A2 PL VS RBOB SPR F | | | | | 4980 | | | | 206 |
| GCU | GULF CO NO6 FUELOIL 3% V. EURO 3.5% | | | 1895 | 1895 | 38484 | + | 1555 | 175 | 19545 |
| VZ | GULF COAST 3% FUEL OIL BALMO | | | | | 919 | | | | 2208 |
| MF | GULF COAST HSFO (PLATTS) FUTURES | | | 2239 | 2239 | 57190 | - | 212 | 3595 | 48098 |
| GE | GULF COAST JET FUEL CLNDR | | | 174 | 174 | 905 | + | 174 | | 897 |
| ME | GULF COAST JET VS NYM 2 HO SPRD | | | 725 | 725 | 30127 | + | 285 | 1709 | 35127 |
| MG | GULF COAST NO.6 FUEL OIL CRACK | | | | | 9842 | | | | 3912 |
| LY | GULF COAST ULSD CALENDAR | | | 82 | 82 | 1609 | + | 82 | 603 | 3159 |
| GY | GULF COAST ULSD CRACK SPREAD | | | | | 945 | | | | 2198 |
| GCB | GULF CST NO6 FO 3% V EURO 3.5 BALMO | | | | | 150 | | | | 64 |
| GBB | GULF CST UNL 87 GAS M2 V. RBOB BLMO | | | | | 1295 | | | | 1180 |
| GCM | GULF UNL87 GAS M2 PLATTS F | | | | | 21 | | | | 42 |

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST ENERGY FUTURES

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| GCC GULF UNL87 M2 PL CRACK SPRD F | | | | | 565 | | | | 25 |
| RVG GULF UNL87 M2 PL VS RBOB SPR F | | | 1350 | 1350 | 27716 | - | 350 | 1575 | 15777 |
| 1G HEATING OIL BALMO CLNDR | | | | | 167 | | | | 150 |
| HOB HEATING OIL VS. BRENT CRACK SPREAD | | | 240 | 240 | 6321 | + | 240 | 240 | 14797 |
| JA JAPAN C&F NAPHTHA | | | 125 | 125 | 2716 | + | 42 | 127 | 1879 |
| JB JAPAN C&F NAPHTHA CRACK SPREAD | | | | | 616 | | | | 2128 |
| E6 JAPAN NAPHTHA BALMO | | | | | 23 | | | | 98 |
| 1T JET AVIA FUEL(PLTT) CRGS FOB M | | | | | 24 | | | | 53 |
| 1V JET AVIA FUEL(PLTT) FOB V. ICE | | | | | 14 | | | | 31 |
| JC JET CIF NWE VS ICE | | | | | 472 | | | | 533 |
| 1M JET FUEL UP-DOWN BALMO CLNDR S | | | | | 4263 | | | | 6349 |
| KL LA CARB DIESEL (OPIS) | | | 100 | 100 | 625 | + | 25 | | 310 |
| JL LA CARBOB GASOLINE(OPIS) | | | | | 575 | | | 200 | 625 |
| JS LA JET (OPIS) | | | | | 2345 | | | 50 | 2910 |
| LX LOS ANGELES CARB DIESEL (OPIS) | | | | | | | | | 13 |
| MPE MIDDLE EAST GASOIL ARAB GULF | | | | | | | | | 100 |
| MAS MIN ARGUS PROPANE SAUDI ARAMCO | | | 10 | 10 | 106 | | | | 10 |
| MNC MIN EURO NPHTHA CIF NWE | | | 296 | 296 | 4846 | + | 88 | 227 | 5238 |
| MGF MIN GSL .1 PLTS CRGS CIFNWE VS GSL | | | | | 20 | | | | 26 |
| MJN MIN JAPAN C&F NAPHTHA PLATTS | | | 136 | 136 | 2509 | + | 96 | 112 | 2457 |
| MJC MIN JETKERO CRGOS CIF NWE VS GASOIL | | | 20 | 20 | 390 | | | | 605 |
| MTB MIN SPORE FUELOIL380CST(PLTS) BALMO | | | | | 15 | | | | 30 |
| UCM MIN ULSD 10PPM CRGOS CIF MED VS GSL | | | | | | | | | 152 |
| MGN MIN ULSD 10PPM CRGS CIF NWE VS GSL | | | | | 444 | | | | 464 |
| MFD MINI 1% FUEL OIL CAR MED | | | | | 70 | | | 50 | 62 |
| MMF MINI 3.5% FUEL OIL CAR MED | | | | | 74 | | | | 122 |
| MAE MINI ARGUS PROPANE FAR EAST IDX | | | | | 280 | | | | 20 |
| T0 MINI EU 1%FO BARGE FOB RDAM FUT | | | | | 70 | | | | 473 |
| 0B MINI EU 1%FO CARGO FOB NWE FUT | | | | | 14 | | | | 85 |
| 0E MINI EU 3.5%FO BARGE FOB RDAM BALMO | | | | | 10 | | | | 394 |
| 0D MINI EU 3.5%FO BARGE FOB RDAM FUT | | | 50 | 50 | 5559 | + | 40 | 161 | 6339 |
| MUD MINI EUR DIESEL10PPM VS ICE GS | | | | | 169 | | | | 367 |
| MEN MINI EURO NAPHTHA BALMO | | | | | 785 | | | | 371 |
| MEO MINI GAS EUROBOB OXY BARGES | | | 150 | 150 | 4964 | + | 110 | 170 | 8765 |
| MEB MINI GAS EUROBOB OXY NWE ARGS BALMO | | | | | 411 | | | | 891 |
| MGB MINI GSOIL .1 PLTTS VS ICE GSOIL SW | | | | | | | | | 10 |
| E6M MINI JAPAN NAPHTHA BALMO FUT | | | | | 20 | | | | 26 |
| MME MINI MID EAST NAPHTHA ARAB GULF | | | | | | | | | 20 |
| MXB MINI RBOB V. EBOB(ARGUS) NWE BRGS | | | 30 | 30 | 2640 | | | 80 | 3624 |
| MXR MINI RBOB V. EBOBARG NWE BRGS BALMO | | | | | 446 | | | | 420 |
| MTS MINI SINGAPORE 380CST FUEL OIL | | | 252 | 252 | 7486 | + | 143 | 171 | 9682 |
| 5L MINI SINGAPORE FO 180 CST BALMO FUT | | | | | 70 | | | | 80 |
| 0F MINI SINGAPORE FO 180 CST FUT | | | 21 | 21 | 1201 | + | 11 | 10 | 2112 |
| MSG MINI SINGAPORE GASOIL PLATS FUT | | | 10 | 10 | 120 | - | 10 | | 349 |
| 1N MOGAS92 UNLEADED (PLATTS) | | | 750 | 750 | 15802 | + | 700 | | 13398 |
| 1P MOGAS92 UNLEADED (PLTS) BLM SW | | | | | 200 | | | | |
| 51 MT BELV LDH PROPN VS EUR CIF ARA SW | | | | | 23 | | | | |
| MBL MT BELVIEU LDH ISO-BUTANE(OPIS) | | | | | 36 | | | | 145 |
| NOB NAPHTHA (PLATTS) NWE CRACK | | | 87 | 87 | 1911 | + | 49 | 39 | 1467 |
| NBB NAPHTHA (PLATTS) NWE CRACK BALMO SW | | | | | 20 | | | | 20 |
| NYF NEW YORK FUEL OIL 1% V. EURO 1% FO | | | | | | | | | 225 |
| UT NO 2 UP-DOWN SPREAD CALENDAR | | | | | 463 | | | | 1885 |
| 88 NWE EUR FUEL OIL HGHLOW SULF BALMO | | | | | 10 | | | | |
| NFG NY 1% FUEL OIL VS G.C. 3% FUEL OIL | | | | | | | | | 23 |
| FOC NY 3% FUEL OIL V GULF COAST NO6 3% | | | | | 725 | | | 163 | 2418 |
| H1 NY 3.0% FUEL OIL (PLATTS) | | | | | 175 | | | | 1125 |
| JTB NY BUCKEYE JET FUEL V. NY HR BALMO | | | | | 625 | | | | |
| JET NY BUCKEYE JET FUEL VS NY HARB ULSD | | | 25 | 25 | 2275 | | | 50 | 3132 |
| NLS NY HARBOR LOW SULPUR GAS 1000MBBL | | | | | 515 | | | | 1135 |
| MM NY HARBOR RESIDUAL FUEL 1.0% S | | | 65 | 65 | 2090 | + | 25 | | 4100 |
| 7Y NY ULSD(ARGUS) VS HO SPREAD | | | | | 272 | | | | 1265 |
| VR NY1% VS GC SPREAD | | | 100 | 100 | 3909 | + | 100 | 75 | 5264 |
| HK NYH NO 2 CRACK SPREAD CAL | | | | | 4753 | | | | 7823 |
| BH NYMEX HEATING OIL FUTURES | | | | | 222 | | | | 294 |
| MP NYMEX NY HARBOR HEAT OIL CLNDR | | | 174 | 174 | 7344 | - | 3 | | 9639 |
| RT NYMEX RBOB GASOLINE FUTURES | | | | | 1379 | | | | 1436 |
| SF3 NYM-SINGAPORE FUEL OIL 380CST CRK S | | | | | 75 | | | | 11 |
| 7L PREM UNL GAS 10 PPM (PLTS) RDM | | | | | 54 | | | | 5 |
| 3G PREMIUM UNLD 10P FOB MED | | | 15 | 15 | 450 | | | | 115 |
| 8G PREMIUM UNLEAD 10PPM FOB BLMO | | | | | 75 | | | | 20 |
| RL RBOB CALENDAR FUTURE | | | 759 | 759 | 14078 | + | 734 | 1242 | 10279 |
| RM RBOB CRACK SPREAD | | | | | 6599 | | | | 1648 |
| EXR RBOB GAS VS EUROBOB(ARGUS) NWE BRGS | | | 128 | 128 | 3891 | - | 10 | 86 | 2087 |
| RBB RBOB GAS VS. BRENT CRCK SPRD | | | 255 | 255 | 15981 | + | 88 | 669 | 15386 |
| 1D RBOB GASOLINE BALMO CLNDR | | | | | 938 | | | | 619 |
| RI RBOB SPREAD (PLATTS) | | | | | | | | | 19 |
| RH RBOB VS HEATING OIL | | | | | 1240 | | | | 2923 |
| MSD SG VISCOSITY SPREAD BALMO | | | | | 15 | | | | |
| EVC SING 380 FUEL OIL VS FUEL OIL ROTDM | | | 125 | 125 | 7018 | + | 20 | 120 | 6103 |
| SFB SING 380CST VS 3.5 FUEL ROTDM BALMO | | | | | 80 | | | | |
| BS SINGAPORE 180CST BALMO | | | | | 40 | | | | 60 |
| BT SINGAPORE 380CST BALMO | | | | | 200 | | | | 116 |
| SE SINGAPORE 380CST FUEL OIL | | | 201 | 201 | 12528 | + | 113 | 425 | 12522 |
| UA SINGAPORE FUEL 180CST CAL | | | | | 1577 | | | 81 | 1762 |
| SD SINGAPORE FUEL OIL SPREAD | | | | | 1367 | | | 99 | 1566 |
| SG SINGAPORE GASOIL | | | 65 | 65 | 7760 | + | 65 | 620 | 17221 |
| VU SINGAPORE GASOIL BALMO | | | | | 75 | | | | 262 |
| GA SINGAPORE GASOIL VS ICE | | | 1050 | 1050 | 45940 | + | 175 | 375 | 20060 |
| KSD SINGAPORE JET DUBAI CRACK | | | | | | | | | 75 |
| BX SINGAPORE JET KERO BALMO | | | | | 50 | | | | 24 |
| RK SINGAPORE JET KERO GASOIL | | | 750 | 750 | 10640 | + | 375 | 175 | 5965 |
| KS SINGAPORE JET KEROSENE | | | | | 2795 | | | 15 | 2438 |
| V0 SINGAPORE MOGAS 95 | | | | | 480 | | | | 235 |
| SMU SINGAPORE MOGAS95-SINGAPORE MOGAS92 | | | | | 128 | | | | 40 |
| STZ SINGPORE GASOIL 10PPM V GSOLSPD FUT | | | | | 2975 | | | | 700 |
| STR SPORE FUEL OIL 180CST 6.35 CK | | | | | 100 | | | | |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL

PG02C BULLETIN #123@ EXCHANGE SUMMARY VOLUME AND OPEN INTEREST ENERGY FUTURES Wed, Jun 27, 2018 PG02C

| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| STS SPORE FUEL OIL 180CST 6.35 DUBAI CK | | | | | 911 | | | | 890 |
| STI SPORE FUEL OIL 380CST 6.35 DUBAI CK | | | | | | | | 32 | 32 |
| 1NB SPORE MOGAS92 UNLD BRENT SPRD | | | 50 | 50 | 4202 | - | 50 | 175 | 3299 |
| Z7 ULSD 10PPM CIF MED VS ICE GAS | | | | | 8 | | | | 66 |
| 1L ULSD UP-DOWN BALMO | | | | | 4390 | | | | 1690 |
| LT UP DOWN GC ULSD VS NMX HO SPRD | | | 145 | 145 | 41708 | + | 45 | 6215 | 44731 |
| **NGL PETROCHEM ENERGY FUTURES** | | | | | | | | | |
| 91 ARGS FAR E NDX VS EUR CIF ARA | | | 11 | 11 | 681 | + | 3 | 14 | 443 |
| 7E ARGUS PROPAN FAR EST INDEX | | | 189 | 189 | 4935 | + | 26 | 215 | 1686 |
| 9N ARGUS PROPAN(SAUDI ARAMCO) | | | 83 | 83 | 1618 | + | 25 | 20 | 829 |
| 22 ARGUS PROPANE FAR E INDX BALMO | | | | | 72 | | | | 32 |
| 8L CONWAY NAT GASOLINE | | | 15 | 15 | 1146 | + | 15 | | 1001 |
| 8M CONWAY NORMAL BUTANE | | | 47 | 47 | 1706 | + | 10 | | 4002 |
| CPB CONWAY PROPANE (OPIS) BALMO | | | | | 16 | | | | 118 |
| 8K CONWAY PROPANE 5 DEC. | | | 1521 | 1521 | 24178 | + | 493 | 160 | 17315 |
| 32 EUR PROPANE CIF ARA ARGUS BALMO | | | | | 76 | | | | 90 |
| PS EURO PROPANE CIF ARA | | | 160 | 160 | 1676 | + | 71 | 77 | 1236 |
| MPS MINI EURO PROPANE CIF ARA ARGUS FUT | | | | | 330 | | | | 10 |
| 8C MT BELIVIEU ETHANE BALMO | | | | | 80 | | | | 100 |
| 8O MT BELIVIEU LDH PROPANE BALMO | | | | | 1816 | | | | 1074 |
| R0 MT BELIVIEU NAT GASOLINE BALMO | | | | | 500 | | | | 217 |
| 8J MT BELIVIEU NORMAL BUTANE BALM | | | | | 682 | | | | 347 |
| C0 MT BELVIEU ETHANE 5-DCML (OPIS) | | | 930 | 930 | 45265 | + | 282 | 2026 | 77242 |
| MBB MT BELVIEU ETHYLENE (PCW) BALMO | | | | | | | | | 230 |
| MBN MT BELVIEU ETHYLENE (PCW) FINCL | | | 20 | 20 | 4757 | - | 20 | | 3282 |
| MBE MT BELVIEU ETHYLENE IN-WELL (PCW) | | | | | 1130 | | | 30 | 1630 |
| 8I MT BELVIEU ISO BUTANE 5 DEC. S | | | 36 | 36 | 5957 | + | 36 | 204 | 3692 |
| 7Q MT BELVIEU NAT GAS 5-DCML (OPIS) | | | 485 | 485 | 19685 | + | 35 | 702 | 10596 |
| MNB MT BELVIEU NORMAL BUTANE LDH(OPIS) | | | 237 | 237 | 4127 | + | 85 | 475 | 3159 |
| D0 MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | | 3005 | 3005 | 43639 | + | 1386 | 2573 | 39757 |
| B0 MT BELVIEU PROPANE 5-DCML (OPIS) | 4 | | 7696 | 7700 | 126975 | + | 1058 | 4098 | 106791 |
| 1R PROPANE NON LDH MT BELVIEU | | | 1155 | 1155 | 50279 | + | 434 | 900 | 25383 |
| 1S PROPANE NON LDH MT BLV BALMO | | | | | 525 | | | | 311 |
| **ETHANOL ENERGY FUTURES** | | | | | | | | | |
| CU CHICAGO ETHANOL | 55 | | 6175 | 6230 | 57838 | + | 615 | 6355 | 43000 |
| ACF ETHANOL FUTURES | 396 | | | 396 | 1964 | + | 21 | 488 | 2200 |
| Z1 ETHANOL(PL) T2 FOB RTRDM INCL | | | 165 | 165 | 4693 | - | 55 | | 4818 |
| MT2 METHANOL T2 FOB RDAM (ICIS) FUTURES | | | | | 100 | | | | |
| EZ NEW YORK ETHANOL | | | | | 2000 | | | 225 | 995 |
| **ELECTRICITY ENERGY FUTURES** | | | | | | | | | |
| VD AEP-DAYTON HUB DAILY | | | | | 136 | - | 34 | | 336 |
| VP AEP-DAYTON HUB OFF-PEAK MONTHLY | | | | | | | | | 350 |
| VM AER-DAYTON HUB MTHLY | | | | | | | | | 490 |
| 9X CAISO SP15 EZGNHUB5 MW P DAY A | | | | | | | | | 3850 |
| 9Z CAISO SP15 EZGNHUB5 PEAK CLN D | | | | | | | | | 650 |
| K2 CIN HUB 5MW D AH O PK | | | | | 83440 | | | | 342600 |
| H5 CIN HUB 5MW D AH PK | | | 1604 | 1604 | 8008 | + | 802 | 852 | 17691 |
| H4 CIN HUB 5MW REAL TIME O PK | | | | | 316584 | | | | 575992 |
| H3 CIN HUB 5MW REAL TIME PK | | | | | 27640 | | | | 46653 |
| EJ CINERGY HUB OFF-PEAK MONTH | | | | | 70 | | | | 120 |
| EM CINERGY HUB PEAK MONTH | | | | | 168 | | | | 288 |
| I1 ERCOT HSTN Z MCPE 5 MW PEAK SW | | | | | 2200 | | | | 1680 |
| I6 ERCOT NRTH Z MCPE 5 MW OFFPK S | | | | | 84000 | | | | |
| I5 ERCOT NRTH Z MCPE 5 MW PEAK SW | | | | | 3150 | | | | 1680 |
| I8 ERCOT NRTH Z MCPE5 OFFPK CLN D | | | | | 9520 | - | 560 | | 4480 |
| I7 ERCOT NRTH Z MCPE5 PEAK CLND D | | | | | 1200 | - | 150 | | |
| DEB GERMAN POWER BASELOAD CAL MONTH FUT | | | | | 59 | | | | |
| IDO ISO NEW ENG MASS HUB DA OP DAILY | | | | | 4096 | - | 256 | | 3016 |
| KI ISO NEW ENGLAND OFF-PEAK LMP | | | | | | | | | 98 |
| NI ISO NEW ENGLAND PEAK LMP | | | | | | | | | 119 |
| MDA MID-COLMBIA DAYAHEAD PEAK DAILY FIX | | | | | | | | | 350 |
| HMW MIDWEST ISO MICHIGAN HUB 5MW PEAK C | | | | | 1036 | | | | 8650 |
| FAD MISO INDIANA HUB 5MW OFPK CALDAY DA | | | | | 4760 | - | 280 | | 6160 |
| FTD MISO INDIANA HUB 5MW OFPK CALDAY RT | | | | | 9520 | - | 560 | | 4368 |
| PDD MISO INDIANA HUB 5MW PK CAL DAYHD | | | | | 288 | - | 36 | | 560 |
| PTD MISO INDIANA HUB 5MW PK CAL-DAY RT | | | | | 747 | - | 83 | | 576 |
| HMO MISO MICHIGAN HUB OF-PK DA MONTHLY | | | | | 19376 | | | | 133920 |
| UD N ILLINOIS HUB DAILY | | | | | 356 | - | 89 | | 588 |
| UM N ILLINOIS HUB MTHLY | | | | | | | | | 140 |
| P3 NEPOOL CNCTCT 5MW D AH O PK | | | | | | | | | 2769 |
| P2 NEPOOL CONECTIC 5MW D AH PK | | | | | | | | | 148 |
| H2 NEPOOL INTR HUB 5MW D AH O PK | | | | | 484997 | | | | 616777 |
| U6 NEPOOL INTR HUB 5MW D AH PK | | | | | 31465 | | | | 43996 |
| P8 NEPOOL NE MASS 5MW D AH O PK | | | | | 14040 | | | | |
| P7 NEPOOL NE MASS 5MW D AH PK | | | | | 765 | | | | |
| U4 NEPOOL RHD ISLD 5MW D AH PK | | | | | | | | | 740 |
| U5 NEPOOL RHODE IL 5MW D AH O PK | | | | | | | | | 13845 |
| L9 NEPOOL W CNT MASS 5MW D AH O PK | | | | | | | | | 5538 |
| R6 NEPOOL W CNTR M 5MW D AH PK | | | | | | | | | 296 |
| CE NEW ENGLAND HUB PEAK DAILY | | | | | 767 | - | 59 | | 377 |
| GN NEW YORK HUB ZONE G PEAK DAILY | | | | | 936 | - | 72 | | 351 |
| JN NEW YORK HUB ZONE J PEAK DAILY | | | | | 390 | - | 30 | | 273 |
| KJ NYISO J | | | | | | | | | 1041 |
| KK NYISO J OFF-PEAK | | | | | | | | | 210 |
| LHV NYISO LOW HUD VAL CAP FUT | | | | | 314 | | | | 294 |
| NNC NYISO NYC IN-CITY CAPACITY CAL MO | | | | | 678 | | | | 1322 |
| NRS NYISO REST OF STATE CAPACITY CAL MO | | | | | 1250 | | | | 1538 |
| K4 NYISO ZONE A 5MW D AH O PK | | | | | 42750 | | | | 123510 |
| K3 NYISO ZONE A 5MW D AH PK | | | | | 5346 | | | | 10390 |

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# EXCHANGE SUMMARY VOLUME AND OPEN INTEREST ENERGY OPTIONS ON FUTURES

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|
| ZAO NYISO ZONE A DA OP DAILY | | | | | 1792 | - | 112 | | 3120 |
| AN NYISO ZONE A LBMP FUTURE | | | | | 234 | - | 18 | | 390 |
| Q5 NYISO ZONE C 5MW D AH PK | | | | | | | | | 110 |
| 58 NYISO ZONE E 5MW DAY AHEAD OFF-PEAK | | | | | | | | | 11076 |
| 55 NYISO ZONE E 5MW DAY AHEAD PEAK | | | | | | | | | 592 |
| 4M NYISO ZONE F 5MW DAY AHEAD OFF-PEAK | | | | | 41535 | | | | 70200 |
| 4L NYISO ZONE F 5MW DAY AHEAD PEAK | | | | | 2220 | | | | 4040 |
| D2 NYISO ZONE G 5MW D AH O PK | | | | | 683950 | | | | 534461 |
| T3 NYISO ZONE G 5MW D AH PK | | | | | 32088 | | | | 28252 |
| ZGO NYISO ZONE G DA OP DAILY | | | | | 7296 | - | 456 | | 2184 |
| D4 NYISO ZONE J 5MW D AH O PK | | | | | 214041 | | | | 299421 |
| D3 NYISO ZONE J 5MW D AH PK | | | | | 15661 | | | | 16774 |
| ZJO NYISO ZONE J DA OP DAILY | | | | | 3200 | - | 200 | | 520 |
| OFD ONTARIO OFF-PK CALENDAR DAY FUT | | | | | | | | | 1120 |
| OFM ONTARIO OFF-PK CAL-MO FUT | | | | | | | | | 24010 |
| OPD ONTARIO PEAK CAL-DAY FUT | | | | | | | | 10 | 120 |
| OPM ONTARIO PEAK CAL-MONTH FUT | | | | | | | | | 630 |
| V3 PJM AD HUB 5MW REAL TIME O PK | | | | | 271402 | | | | 580202 |
| Z9 PJM AD HUB 5MW REAL TIME PK | | | | | 17565 | | | | 30216 |
| PEO PJM AEP DAYTON HUB DA OP DAILY | | | | | 1024 | - | 64 | | 2600 |
| PAP PJM AEP DAYTON HUB DA PEAK DAILY | | | | | 175 | - | 25 | | 315 |
| AOR PJM AEP DAYTON HUB RT OP DAILY | | | | | 4080 | - | 240 | | 12432 |
| MOD PJM ASTI ZONE PEAK DA MO | | | | | | | | | 74490 |
| MPD PJM ATSI ZONE MONTHLY DAILY | | | | | | | | | 4030 |
| R3 PJM BGE DA OFF-PEAK | | | | | 5538 | | | | 32760 |
| E3 PJM BGE DA PEAK | | | | | 296 | | | | 1785 |
| D9 PJM COMED 5MW D AH O PK | | | | | 13845 | | | | 37245 |
| D8 PJM COMED 5MW D AH PK | | | | | 740 | | | | 2015 |
| JD PJM DAILY | | | | | 1456 | - | 364 | | 2108 |
| R7 PJM DAYTON DA OFF-PEAK | | | | | 89200 | | | | 192428 |
| D7 PJM DAYTON DA PEAK | | | | | 8295 | | | | 15678 |
| 46 PJM METED ZONE OFFPK CAL LMP | | | | | 24242 | | | | 41909 |
| 47 PJM METED ZONE PEAK CAL LMP | | | | | 1320 | | | | 2274 |
| JM PJM MONTHLY | | | | | 1130 | | | | 2668 |
| B6 PJM NI HUB 5MW REAL TIME O PK | | | | | 408510 | | | | 1213032 |
| B3 PJM NI HUB 5MW REAL TIME PK | | | | | 21233 | | | | 50341 |
| L3 PJM NILL DA OFF-PEAK | | | | | 270822 | | | | 1229949 |
| N3 PJM NILL DA PEAK | | | | | 16911 | | | | 57452 |
| PNO PJM NORTERN ILL HUB DA OP DAILY | | | | | 6016 | - | 376 | | 29536 |
| PNP PJM NORTERN ILL HUB DA PEAK DAILY | | | | | 399 | - | 57 | | 1547 |
| NOC PJM NORTERN ILL HUB RT OP DAILY | | | | | 18224 | - | 1072 | | 28224 |
| JP PJM OFF-PEAK LMP FUTURE | | | | | 286 | | | | 790 |
| W6 PJM PSEG DA OFF-PEAK | | | | | 23400 | | | | 117000 |
| L6 PJM PSEG DA PEAK | | | | | | | | | 5100 |
| PWO PJM WESTERN HUB DA OP DAILY FUT | | | | | 6016 | - | 376 | | 18200 |
| PWP PJM WESTERN HUB DA PEAK DAILY | | | | | 329 | - | 47 | | 1302 |
| WOR PJM WESTERN HUB RT OP DAILY | | | | | 23120 | - | 1360 | | 28448 |
| E4 PJM WESTH DA OFF-PEAK | | | | | 310219 | | | | 769502 |
| N9 PJM WESTH RT OFF-PEAK | | | | | 1453998 | | | | 2630382 |
| L1 PJM WESTH RT PEAK | | | | | 94720 | | | | 149155 |
| J4 PJM WESTHDA PEAK | | | | | 16763 | | | | 47331 |
| **COAL ENERGY FUTURES** | | | | | | | | | |
| ALW AUSTRALIAN COKING (PLATTS) LOW VOL | | | | | 216 | | | | 678 |
| ICI COAL (ICI4) INDONESIAN COAL INDEX | | | 20 | 20 | 85 | + | 20 | | |
| MTF COAL API2 CIF ARA ARG-MCCLOSKY | | | 967 | 967 | 39737 | + | 28 | 2599 | 67068 |
| MFF COAL API4 RCH BAY ARGS MCCLOSKY SW | | | 70 | 70 | 4932 | + | 20 | 335 | 10867 |
| ACM COAL API5 FOB NEWCASTLE ARG/MC FUT | | | 5 | 5 | 205 | | | | 180 |
| QX EASTERN RAIL DELIVERY CSX COAL | | | | | 180 | | | | 691 |
| QP WESTERN RAIL DELIVERY PRB COAL | | | | | 405 | | | | 645 |
| **FREIGHT ENERGY FUTURES** | | | | | | | | | |
| FLP FREIGHT ROUTE LIQUID PETROLEUM GAS | | | | | 644 | | | 21 | 856 |
| FRC FREIGHT ROUTE TC14 (BALTIC) FUTURES | | | | | 340 | | | | |
| TC6 FREIGHT ROUTE TC6 (BALTIC) | | | | | 60 | | | | |
| T2D FREIGHT ROUTE TD20 (BALTIC) FUTURES | | | | | 1258 | | | | |
| TM TC2 ROTTERDAM TO USAC 37K MT | | | | | 247 | | | | |
| TH TC5 RAS TANURA TO YOKOHAMA 55K MT | | | | | 25 | | | | |
| TL TD3 MEG TO JAPAN 250K MT | | | 240 | 240 | 2479 | + | 60 | | |

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| | | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|
| GXZ 12 MO GASOIL CAL SPREAD OPT | C | | | | | | | | | 30 |
| GXZ 12 MO GASOIL CAL SPREAD OPT | P | | | | | | | | 100 | 100 |
| TOTAL 12 MO GASOIL CAL SPREAD OPT | | | | | | | | | 100 | 130 |
| AA BRENT 1 MONTH CALENDAR OPTIONS | C | | | | | 1000 | - | 1000 | | |
| TOTAL BRENT 1 MONTH CALENDAR OPTIONS | | | | | | 1000 | - | 1000 | | |
| BA BRENT AVERAGE PRICE OPTION | C | | | | | 3811 | | | | 8956 |
| BA BRENT AVERAGE PRICE OPTION | P | | | | | 2380 | | | | 2750 |
| TOTAL BRENT AVERAGE PRICE OPTION | | | | | | 6191 | | | | 11706 |
| 9C BRENT CRUDE OIL 1 M CSO FIN | C | | | | | 156230 | | | | |
| 9C BRENT CRUDE OIL 1 M CSO FIN | P | | | 1500 | 1500 | 35100 | - | 1500 | | |
| TOTAL BRENT CRUDE OIL 1 M CSO FIN | | | | 1500 | 1500 | 191330 | - | 1500 | | |
| BZO BRENT CRUDE OIL FUT MARGIN OPT | C | 1333 | | 2075 | 3408 | 134232 | + | 2259 | 750 | 44282 |
| BZO BRENT CRUDE OIL FUT MARGIN OPT | P | 1520 | | 1600 | 3120 | 62947 | + | 1972 | 850 | 16100 |
| TOTAL BRENT CRUDE OIL FUT MARGIN OPT | | 2853 | | 3675 | 6528 | 197179 | + | 4231 | 1600 | 60382 |
| OS BRENT CRUDE OIL OPTIONS | C | | | | | 24 | | | | 11408 |
| OS BRENT CRUDE OIL OPTIONS | P | | | | | 1048 | | | | 9916 |
| TOTAL BRENT CRUDE OIL OPTIONS | | | | | | 1072 | | | | 21324 |
| BE BRENT EURO STYLE OPTION | C | | | 4507 | 4507 | 60205 | - | 2000 | | 940 |
| BE BRENT EURO STYLE OPTION | P | | | 4000 | 4000 | 37518 | + | 4000 | | 1795 |
| TOTAL BRENT EURO STYLE OPTION | | | | 8507 | 8507 | 97723 | + | 2000 | | 2735 |
| WCI CANADIAN HEAVY CRUDE OIL APO | C | | | | | 2500 | | | | |
| WCI CANADIAN HEAVY CRUDE OIL APO | P | | | | | 850 | | | | |
| TOTAL CANADIAN HEAVY CRUDE OIL APO | | | | | | 3350 | | | | |
| CE3 CHICAGO ETHANOL 3 MTH CAL SPD OPT | C | | | | | 150 | | | | 300 |
| TOTAL CHICAGO ETHANOL 3 MTH CAL SPD OPT | | | | | | 150 | | | | 300 |
| CVR CHICAGO ETHANOL(PLATTS) APO | C | | | 274 | 274 | 9612 | + | 24 | 35 | 5259 |
| CVR CHICAGO ETHANOL(PLATTS) APO | P | | | 179 | 179 | 4319 | + | 114 | 30 | 3748 |
| TOTAL CHICAGO ETHANOL(PLATTS) APO | | | | 453 | 453 | 13931 | + | 138 | 65 | 9007 |
| CQA COAL API2 ARGUS/MCCLOS QRTR OPT | C | | | | | 1315 | | | | |
| CQA COAL API2 ARGUS/MCCLOS QRTR OPT | P | | | | | 195 | | | | 20 |
| TOTAL COAL API2 ARGUS/MCCLOS QRTR OPT | | | | | | 1510 | | | | 20 |
| CLA COAL API2 ARGUS/MCCLOS CALNDR OPT | C | | | | | 1415 | | | 50 | 2337 |
| CLA COAL API2 ARGUS/MCCLOS CALNDR OPT | P | | | 20 | 20 | 1520 | + | 20 | | 2610 |
| TOTAL COAL API2 ARGUS/MCCLOS CALNDR OPT | | | | 20 | 20 | 2935 | + | 20 | 50 | 4947 |
| MTO COAL API2 CIF ARA ARGSMCCLOSKEY OP | C | | | | | 205 | | | | 900 |
| MTO COAL API2 CIF ARA ARGSMCCLOSKEY OP | P | | | | | 140 | | | | 500 |
| TOTAL COAL API2 CIF ARA ARGSMCCLOSKEY OP | | | | | | 345 | | | | 1400 |
| MFO COAL API4 FOB RCHRDS BAY ARGS MCCLO | C | | | | | 425 | | | | |
| MFO COAL API4 FOB RCHRDS BAY ARGS MCCLO | P | | | | | 725 | | | | |
| TOTAL COAL API4 FOB RCHRDS BAY ARGS MCCLO | | | | | | 1150 | | | | |
| RLA COAL API4 R BAY ARGUS/MCK CAL | P | | | | | 25 | | | | |
| TOTAL COAL API4 R BAY ARGUS/MCK CAL | | | | | | 25 | | | | |
| CPR CONWAY PROPANE (OPIS) APO | C | | | | | | | | | 18 |
| TOTAL CONWAY PROPANE (OPIS) APO | | | | | | | | | | 18 |
| AO CRUDE OIL APO OPTIONS | C | | | 1809 | 1809 | 231924 | + | 1809 | 25 | 145045 |
| AO CRUDE OIL APO OPTIONS | P | 30 | | 4829 | 4859 | 255537 | + | 1739 | 55 | 169340 |
| TOTAL CRUDE OIL APO OPTIONS | | 30 | | 6638 | 6668 | 487461 | + | 3548 | 80 | 314385 |
| 6F CRUDE OIL OPTION ON CALENDAR STRP | P | | | | | 170 | | | | |
| TOTAL CRUDE OIL OPTION ON CALENDAR STRP | | | | | | 170 | | | | |
| LO1 CRUDE OIL OPTIONS | C | 595 | | | 595 | 683 | + | 364 | 236 | 709 |
| LO1 CRUDE OIL OPTIONS | P | 398 | | | 398 | 820 | + | 246 | 259 | 651 |
| TOTAL CRUDE OIL OPTIONS | | 993 | | | 993 | 1503 | + | 610 | 495 | 1360 |
| LO2 CRUDE OIL OPTIONS | C | 115 | | | 115 | 165 | + | 14 | 9 | 140 |
| LO2 CRUDE OIL OPTIONS | P | 9 | | 100 | 109 | 190 | + | 97 | 74 | 230 |
| TOTAL CRUDE OIL OPTIONS | | 124 | | 100 | 224 | 355 | + | 111 | 83 | 370 |
| LO3 CRUDE OIL OPTIONS | C | 92 | | | 92 | 92 | + | 92 | 1 | 1 |
| LO3 CRUDE OIL OPTIONS | P | 64 | | | 64 | 61 | + | 61 | | |
| TOTAL CRUDE OIL OPTIONS | | 156 | | | 156 | 153 | + | 153 | 1 | 1 |
| LO5 CRUDE OIL OPTIONS | C | 2099 | | | 2099 | 3754 | + | 783 | 1012 | 4741 |
| LO5 CRUDE OIL OPTIONS | P | 2838 | | | 2838 | 4323 | + | 829 | 2147 | 3862 |
| TOTAL CRUDE OIL OPTIONS | | 4937 | | | 4937 | 8077 | + | 1612 | 3159 | 8603 |
| CPF CSX COAL OPT ON QTRLY FUT STRP | C | | | | | 10 | | | | |
| TOTAL CSX COAL OPT ON QTRLY FUT STRP | | | | | | 10 | | | | |
| AH DUBAI CRUDE OIL (PLATTS) APO | C | | | | | 25 | | | | 75 |
| AH DUBAI CRUDE OIL (PLATTS) APO | P | | | | | 25 | | | | 75 |
| TOTAL DUBAI CRUDE OIL (PLATTS) APO | | | | | | 50 | | | | 150 |
| DAP EIA FLAT TAX ON-HIGHWAY DIESEL APO | C | | | | | 42 | | | | |
| TOTAL EIA FLAT TAX ON-HIGHWAY DIESEL APO | | | | | | 42 | | | | |
| LB EURO HEATING OIL | C | | | | | 410 | | | | 700 |
| LB EURO HEATING OIL | P | | | | | 30 | | | | 445 |
| TOTAL EURO HEATING OIL | | | | | | 440 | | | | 1145 |
| GVR GULF COAST JET FUEL(PLATTS)APO | C | | | 300 | 300 | 1766 | + | 300 | | 2288 |
| GVR GULF COAST JET FUEL(PLATTS)APO | P | | | | | 840 | | | | 155 |
| TOTAL GULF COAST JET FUEL(PLATTS)APO | | | | 300 | 300 | 2606 | + | 300 | | 2443 |
| AT HEATING OIL APO (AVG PRICE) OPTIONS | C | | | 300 | 300 | 15528 | + | 300 | 16 | 24298 |
| AT HEATING OIL APO (AVG PRICE) OPTIONS | P | | | | | 4326 | | | | 6438 |
| TOTAL HEATING OIL APO (AVG PRICE) OPTIONS | | | | 300 | 300 | 19854 | + | 300 | 16 | 30736 |
| E7 HENRY HUB FINANCIAL LAST DAY O | C | | | 175 | 175 | 3819 | - | 634 | 200 | 4745 |
| E7 HENRY HUB FINANCIAL LAST DAY O | P | | | 700 | 700 | 1587 | - | 1651 | 750 | 4804 |
| TOTAL HENRY HUB FINANCIAL LAST DAY O | | | | 875 | 875 | 5406 | - | 2285 | 950 | 9549 |
| WJO LLS ARGUS V.WTI CRUDE OIL AVG PRICE | C | | | | | 1800 | | | | 6775 |
| WJO LLS ARGUS V.WTI CRUDE OIL AVG PRICE | P | | | | | | | | | 2800 |
| TOTAL LLS ARGUS V.WTI CRUDE OIL AVG PRICE | | | | | | 1800 | | | | 9575 |
| 4J MT BELVIEU ETHANE 5-DCML (OPIS) | C | | | | | 1420 | | | | 370 |
| 4J MT BELVIEU ETHANE 5-DCML (OPIS) | P | | | | | | | | 30 | 3360 |
| TOTAL MT BELVIEU ETHANE 5-DCML (OPIS) | | | | | | 1420 | | | 30 | 3730 |
| 4K MT BELVIEU NRM BUTANE 5-DCML (OPIS) | C | | | 100 | 100 | 50 | + | 50 | | |
| 4K MT BELVIEU NRM BUTANE 5-DCML (OPIS) | P | | | 100 | 100 | 50 | + | 50 | | |
| TOTAL MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | | | 200 | 200 | 100 | + | 100 | | |
| 4H MT BELVIEU PROPANE 5-DCML (OPIS) | C | | | | | 678 | | | | 901 |
| 4H MT BELVIEU PROPANE 5-DCML (OPIS) | P | | | | | 1735 | | | 15 | 1707 |
| TOTAL MT BELVIEU PROPANE 5-DCML (OPIS) | | | | | | 2413 | | | 15 | 2608 |
| G4 NATURAL GAS 1 M CSO FIN | C | | | | | 8300 | | | 1800 | 70200 |
| G4 NATURAL GAS 1 M CSO FIN | P | | | | | 6691 | | | | 54250 |
| TOTAL NATURAL GAS 1 M CSO FIN | | | | | | 14991 | | | 1800 | 124450 |
| G2 NATURAL GAS 2 M CSO FIN | C | | | | | 1000 | | | | 400 |
| G2 NATURAL GAS 2 M CSO FIN | P | | | | | | | | | 1750 |
| TOTAL NATURAL GAS 2 M CSO FIN | | | | | | 1000 | | | | 2150 |
| G3 NATURAL GAS 3 M CSO FIN | C | | | | | 7885 | | | | 11000 |
| G3 NATURAL GAS 3 M CSO FIN | P | | | | | 31285 | | | 2500 | 28800 |
| TOTAL NATURAL GAS 3 M CSO FIN | | | | | | 39170 | | | 2500 | 39800 |
| G6 NATURAL GAS 6 M CSO FIN | C | | | 500 | 500 | 1600 | + | 500 | | 700 |
| G6 NATURAL GAS 6 M CSO FIN | P | | | 500 | 500 | 3400 | + | 500 | | |

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | GLOBEX® VOLUME | OPEN OUTCRY VOLUME | PNT VOLUME | ------ OVERALL COMBINED TOTAL ------ VOLUME | OPEN INTEREST & CHGE | | | -52 WEEKS (364 DAYS) AGO- OVERALL COMBINED TOTAL VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL NATURAL GAS 6 M CSO FIN | | | | 1000 | 1000 | 5000 | + | 1000 | | 700 |
| 6J NATURAL GAS OPTION ON CALENDAR STRP | C | | | | | 5022 | | | | 6658 |
| 6J NATURAL GAS OPTION ON CALENDAR STRP | P | | | | | 7464 | | | | 920 |
| TOTAL NATURAL GAS OPTION ON CALENDAR STRP | | | | | | 12486 | | | | 7578 |
| ZR NORTHERN ROCKIES PIPE OPTION | C | | | | | 2166 | | | | 5220 |
| TOTAL NORTHERN ROCKIES PIPE OPTION | | | | | | 2166 | | | | 5220 |
| 9U NYISO ZONE G OPTION | C | | | | | | | | | 8870 |
| 9U NYISO ZONE G OPTION | P | | | | | | | | | 1840 |
| TOTAL NYISO ZONE G OPTION | | | | | | | | | | 10710 |
| LC NYMEX CRUDE OIL (EURO) OPTS (PHY) | C | | | | | 32248 | | | | 44890 |
| LC NYMEX CRUDE OIL (EURO) OPTS (PHY) | P | | | | | 10557 | | | | 20753 |
| TOTAL NYMEX CRUDE OIL (EURO) OPTS (PHY) | | | | | | 42805 | | | | 65643 |
| LO NYMEX CRUDE OIL OPTIONS (PHY) | C | 150659 | | 33350 | 184009 | 1587843 | + | 23309 | 85276 | 1789975 |
| LO NYMEX CRUDE OIL OPTIONS (PHY) | P | 100348 | | 19340 | 119688 | 1252052 | + | 25856 | 74221 | 1059052 |
| TOTAL NYMEX CRUDE OIL OPTIONS (PHY) | | 251007 | | 52690 | 303697 | 2839895 | + | 49165 | 159497 | 2849027 |
| OH NYMEX HEATING OIL (PHY) OPTIONS | C | 74 | | 240 | 314 | 23822 | + | 160 | 2273 | 42235 |
| OH NYMEX HEATING OIL (PHY) OPTIONS | P | 42 | | 640 | 682 | 15825 | + | 600 | 183 | 15394 |
| TOTAL NYMEX HEATING OIL (PHY) OPTIONS | | 116 | | 880 | 996 | 39647 | + | 760 | 2456 | 57629 |
| CH NYMEX HEATING OIL CRACK SPRD OPT | C | | | | | | | | | 100 |
| TOTAL NYMEX HEATING OIL CRACK SPRD OPT | | | | | | | | | | 100 |
| LN NYMEX NATURAL GAS (EURO) OPTS | C | 11160 | | 5244 | 16404 | 818945 | + | 5085 | 84150 | 1555457 |
| LN NYMEX NATURAL GAS (EURO) OPTS | P | 16411 | | 9800 | 26211 | 810809 | + | 8962 | 47803 | 778284 |
| TOTAL NYMEX NATURAL GAS (EURO) OPTS | | 27571 | | 15044 | 42615 | 1629754 | + | 14047 | 131953 | 2333741 |
| ON NYMEX NATURAL GAS OPTIONS (PHY) | C | 3292 | | | 3292 | 48822 | + | 899 | 6167 | 61976 |
| ON NYMEX NATURAL GAS OPTIONS (PHY) | P | 4819 | | | 4819 | 33037 | + | 1464 | 4404 | 36956 |
| TOTAL NYMEX NATURAL GAS OPTIONS (PHY) | | 8111 | | | 8111 | 81859 | + | 2363 | 10571 | 98932 |
| CD NYMEX ONE DAY CRUDE OIL OPTIONS | C | | | 250 | 250 | | | | 50 | |
| CD NYMEX ONE DAY CRUDE OIL OPTIONS | P | | | | | | | | 100 | |
| TOTAL NYMEX ONE DAY CRUDE OIL OPTIONS | | | | 250 | 250 | | | | 150 | |
| KD NYMEX ONE DAY NATURAL GAS OPTIONS | C | 325 | | 150 | 475 | | | | 620 | |
| KD NYMEX ONE DAY NATURAL GAS OPTIONS | P | 150 | | 300 | 450 | | | | 655 | |
| TOTAL NYMEX ONE DAY NATURAL GAS OPTIONS | | 475 | | 450 | 925 | | | | 1275 | |
| OB NYMEX RBOB (PHY) OPTIONS | C | 44 | | 625 | 669 | 8651 | + | 136 | 428 | 17697 |
| OB NYMEX RBOB (PHY) OPTIONS | P | 11 | | | 11 | 1761 | + | 7 | 596 | 8288 |
| TOTAL NYMEX RBOB (PHY) OPTIONS | | 55 | | 625 | 680 | 10412 | + | 143 | 1024 | 25985 |
| PU PANHANDLE PIPE OPTION | C | | | | | 1440 | | | | 1440 |
| PU PANHANDLE PIPE OPTION | P | | | | | 1440 | | | | 1440 |
| TOTAL PANHANDLE PIPE OPTION | | | | | | 2880 | | | | 2880 |
| 6OA PJM WEST HUB REAL-TIME PK 5 MW OPT | C | | | | | 815 | | | | 1530 |
| 6OA PJM WEST HUB REAL-TIME PK 5 MW OPT | P | | | | | 905 | | | 40 | 1400 |
| TOTAL PJM WEST HUB REAL-TIME PK 5 MW OPT | | | | | | 1720 | | | 40 | 2930 |
| PMA PJM WEST HUB REAL-TIME PK CAL 50 MW | C | | | | | 3874 | | | | 6043 |
| PMA PJM WEST HUB REAL-TIME PK CAL 50 MW | P | | | | | 6041 | | | 40 | 11667 |
| TOTAL PJM WEST HUB REAL-TIME PK CAL 50 MW | | | | | | 9915 | | | 40 | 17710 |
| RPF POWDR RIVR COAL OPT ON QTY FUT STRP | C | | | | | 125 | | | | 85 |
| RPF POWDR RIVR COAL OPT ON QTY FUT STRP | P | | | | | | | | | 250 |
| TOTAL POWDR RIVR COAL OPT ON QTY FUT STRP | | | | | | 125 | | | | 335 |
| ZA RBOB 1 MO CAL SPD OPTIONS | P | | | | | 200 | | | | |
| TOTAL RBOB 1 MO CAL SPD OPTIONS | | | | | | 200 | | | | |
| RA RBOB APO (AVERAGE PRICE) OPTIONS | C | | | | | 275 | | | | 1077 |
| RA RBOB APO (AVERAGE PRICE) OPTIONS | P | | | | | 375 | | | | 526 |
| TOTAL RBOB APO (AVERAGE PRICE) OPTIONS | | | | | | 650 | | | | 1603 |
| RF RBOB EURO EXPIRATION OPTION | P | | | | | 125 | | | | 25 |
| TOTAL RBOB EURO EXPIRATION OPTION | | | | | | 125 | | | | 25 |
| Q6 ROTTERDAM 3.5%FUEL OIL CLN APO | C | | | | | | | | | 265 |
| Q6 ROTTERDAM 3.5%FUEL OIL CLN APO | P | | | | | | | | | 35 |
| TOTAL ROTTERDAM 3.5%FUEL OIL CLN APO | | | | | | | | | | 300 |
| PJ SAN JUAN PIPE OPTION | C | | | | | 1974 | | | | 4164 |
| PJ SAN JUAN PIPE OPTION | P | | | | | | | | | 384 |
| TOTAL SAN JUAN PIPE OPTION | | | | | | 1974 | | | | 4548 |
| 8H SINGAPORE FUEL OIL 380 APO | C | | | | | | | | | 300 |
| TOTAL SINGAPORE FUEL OIL 380 APO | | | | | | | | | | 300 |
| M2 SINGAPORE GASOIL CALENDAR APO | C | | | | | | | | | 175 |
| TOTAL SINGAPORE GASOIL CALENDAR APO | | | | | | | | | | 175 |
| N2 SINGAPORE JET FUEL CALENDR APO | C | | | | | | | | | 370 |
| TOTAL SINGAPORE JET FUEL CALENDR APO | | | | | | | | | | 370 |
| U29 U29 SHORT TERM NG OPTIONS | C | | | | | | | | 130 | 130 |
| U29 U29 SHORT TERM NG OPTIONS | P | | | | | | | | 130 | 130 |
| TOTAL U29 SHORT TERM NG OPTIONS | | | | | | | | | 260 | 260 |
| 7A WTI CRUDE OIL 1 M CSO FIN | C | | | 3000 | 3000 | 74925 | + | 1150 | 18000 | 103850 |
| 7A WTI CRUDE OIL 1 M CSO FIN | P | | | 1900 | 1900 | 76400 | + | 1900 | | 238742 |
| TOTAL WTI CRUDE OIL 1 M CSO FIN | | | | 4900 | 4900 | 151325 | + | 3050 | 18000 | 342592 |
| WA WTI CRUDE OIL 1MO CAL SPRD OPTIONS | C | 100 | | 6650 | 6750 | 171150 | + | 1350 | 100 | 282870 |
| WA WTI CRUDE OIL 1MO CAL SPRD OPTIONS | P | 500 | | 2400 | 2900 | 273350 | + | 2150 | | 348910 |
| TOTAL WTI CRUDE OIL 1MO CAL SPRD OPTIONS | | 600 | | 9050 | 9650 | 444500 | + | 3500 | 100 | 631780 |
| BV WTI-BRENT SPREAD OPTION | C | | | 2070 | 2070 | 138051 | + | 1570 | | 105220 |
| BV WTI-BRENT SPREAD OPTION | P | | | 1500 | 1500 | 96579 | | | | 41840 |
| TOTAL WTI-BRENT SPREAD OPTION | | | | 3570 | 3570 | 234630 | + | 1570 | | 147060 |

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# AGRICULTURAL FUTURES



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND on CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813.

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----YEAR AGO---- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CORN FUT | | | | | | | | | | | |
| JUL18 | 352'0 | 356'4 | 351'4 | 352'4 | UNCH | 14599 | 148720 | 71969 - 70226 | 219540 | 67110 | 356'6 |
| SEP18 | 361'2 | 365'2 | 360'4 | 361'6 + | 0'4 | 2300 | 152163 | 639453 + 13967 | 225269 | 574631 | 366'2 |
| DEC18 | 372'4 | 377'2 | 372'2 | 373'2 | UNCH | 424 | 163437 | 745535 + 31331 | 142225 | 494685 | 376'2 |
| MAR19 | 382'2 | 386'4 | 382'0 | 382'6 | UNCH | 22 | 14557 | 203338 - 235 | 23273 | 99898 | 386'0 |
| MAY19 | 389'0 | 393'0 | 388'6 | 389'4 | UNCH | ---- | 3688 | 34633 + 268 | 2736 | 19339 | 392'2 |
| JUL19 | 395'2 | 399'4B | 395'0 | 395'6 - | 0'2 | ---- | 5241 | 78910 + 1094 | 3170 | 54760 | 398'2 |
| SEP19 | 392'6 | 396'0 | 391'2 | 391'2 - | 2'0 | ---- | 479 | 21436 + 19 | 241 | 7045 | 394'6 |
| DEC19 | 397'2 | 402'0 | 396'0 | 396'4 - | 1'2 | ---- | 6231 | 61587 + 30 | 2448 | 34207 | 398'4 |
| MAR20 | 407'0 | 410'2B | 406'0A | 405'6 - | 1'4 | ---- | 39 | 2578 + 13 | ---- | 786 | 406'2 |
| MAY20 | ---- | 416'0B | ---- | 412'0 - | 1'2 | ---- | ---- | 400 UNCH | ---- | 259 | 410'4 |
| JUL20 | 420'4 | 420'4 | 417'2A | 416'4 - | 1'4 | ---- | 3 | 614 + 1 | 1 | 380 | 414'6 |
| SEP20 | ---- | ---- | ---- | 409'4 - | 1'4 | ---- | ---- | 202 UNCH | ---- | 175 | 403'0 |
| DEC20 | 413'0 | 415'4 | 412'0 | 411'4 - | 1'0 | ---- | 35 | 1246 - 1 | 14 | 485 | 405'0 |
| JUL21 | ---- | ---- | ---- | 425'2 - | 1'0 | ---- | ---- | 17 UNCH | ---- | ---- | ---- |
| DEC21 | 419'6 | 419'6 | 419'6 | 417'6 - | 1'0 | ---- | 1 | 147 UNCH | ---- | ---- | ---- |
| TOTAL CORN FUT | | | | | | 17345 | 494594 | 1862065 - 23739 | 618917 | 1353760 | |
| MINI CORN | | | | | | | | | | | |
| JUL18 | 352'6 | 356'1 | 351'6 | 352'4 | UNCH | ---- | 265 | 454 - 977 | 374 | 1047 | 356'6 |
| SEP18 | 361'0 | 365'3 | 360'2 | 361'6 + | 0'4 | ---- | 178 | 2877 + 67 | 180 | 704 | 366'2 |
| DEC18 | 373'4 | 377'0B | 372'5 | 373'2 | UNCH | ---- | 211 | 8385 - 1 | 125 | 3565 | 376'2 |
| MAR19 | 382'2 | 386'2B | 382'2 | 382'6 | UNCH | ---- | 3 | 713 + 1 | 6 | 325 | 386'0 |
| MAY19 | 389'0 | 389'0 | 389'0 | 389'4 | UNCH | ---- | 1 | 146 + 1 | ---- | 80 | 392'2 |
| JUL19 | ---- | ---- | ---- | 395'6 - | 0'2 | ---- | ---- | 98 UNCH | ---- | 86 | 398'2 |
| SEP19 | ---- | ---- | ---- | 391'2 - | 2'0 | ---- | ---- | 6 UNCH | ---- | 2 | 394'6 |
| DEC19 | 398'4 | 398'4 | 398'4 | 396'4 - | 1'2 | ---- | 1 | 240 - 1 | ---- | 112 | 398'4 |
| MAR20 | ---- | ---- | ---- | 405'6 - | 1'4 | ---- | ---- | 4 UNCH | ---- | ---- | 406'2 |
| DEC20 | ---- | ---- | ---- | 411'4 - | 1'0 | ---- | ---- | 6 UNCH | ---- | 5 | 405'0 |
| DEC21 | ---- | ---- | ---- | 417'6 - | 1'0 | ---- | ---- | 1 UNCH | ---- | ---- | ---- |
| TOTAL MINI CORN | | | | | | 0 | 659 | 12930 - 910 | 685 | 5926 | |
| OATS FUT | | | | | | | | | | | |
| JUL18 | 241'0 | 255'2 | 237'0 | 254'0 + | 12'6 | ---- | 414 | 308 - 175 | 407 | 233 | 266'4 |
| SEP18 | 235'2 | 241'6 | 235'0 | 240'6 + | 4'4 | ---- | 252 | 1647 + 65 | 356 | 1594 | 261'0 |
| DEC18 | 240'2 | 245'0 | 236'6 | 244'6 + | 6'0 | ---- | 344 | 2972 + 1 | 379 | 3991 | 258'6 |
| MAR19 | 244'0 | 248'0B | 244'0 | 248'6 + | 5'6 | ---- | 1 | 48 UNCH | 14 | 227 | 260'6 |
| TOTAL OATS FUT | | | | | | 0 | 1011 | 4975 - 109 | 1156 | 6045 | |
| ROUGH RICE FUT | | | | | | | | | | | |
| JUL18 | 1247'5 | 1251'0 | 1169'0 | 1170'0 - | 80'5 | ---- | 351 | 702 - 133 | 448 | 1413 | 1142'5 |
| SEP18 | 1119'0 | 1157'0 | 1109'5 | 1148'0 + | 30'5 | ---- | 1098 | 6132 - 234 | 894 | 7473 | 1175'0 |
| NOV18 | 1100'0 | 1143'5 | 1100'0 | 1143'0 + | 39'5 | ---- | 53 | 972 + 2 | 90 | 612 | 1197'5 |
| JAN19 | 1110'0 | 1150'0 | 1110'0 | 1153'5 + | 44'0 | ---- | 6 | 38 + 2 | ---- | 31 | 1217'0 |
| TOTAL ROUGH RICE FUT | | | | | | 0 | 1508 | 7844 - 363 | 1432 | 9529 | |
| SOYBEAN FUT | | | | | | | | | | | |
| JUL18 | 868'0 | 878'0 | 866'0 | 867'4 + | 0'2 | 7840 | 79561 | 23545 - 35834 | 106115 | 27250 | 914'0 |
| AUG18 | 874'0 | 883'4 | 871'0 | 873'0 | UNCH | 537 | 73536 | 93524 + 2094 | 79814 | 112838 | 919'0 |
| SEP18 | 877'6 | 888'2 | 876'6 | 878'4 + | 0'4 | 470 | 15010 | 45038 + 805 | 15776 | 45562 | 920'6 |
| NOV18 | 888'4 | 897'6 | 886'2 | 889'0 + | 1'4 | 879 | 98480 | 401688 + 4397 | 89744 | 380819 | 921'6 |
| JAN19 | 898'0 | 906'6 | 896'2A | 898'0 + | 1'2 | 2 | 9642 | 83048 - 1309 | 7888 | 40499 | 929'4 |
| MAR19 | 902'0 | 911'4 | 900'6A | 903'2 + | 2'2 | 500 | 5671 | 81620 + 138 | 3699 | 24047 | 936'0 |
| MAY19 | 909'0 | 920'0 | 909'0 | 911'4 + | 2'2 | ---- | 1958 | 43982 - 345 | 1136 | 13621 | 942'0 |
| JUL19 | 917'4 | 928'0B | 917'4 | 919'4 + | 1'2 | ---- | 2025 | 22705 + 118 | 1414 | 18469 | 947'4 |
| AUG19 | 918'0 | 922'4B | 918'0 | 918'6 + | 0'6 | ---- | 75 | 477 + 42 | 17 | 1034 | 947'0 |
| SEP19 | 912'2 | 912'2 | 911'2 | 911'0 + | 1'2 | ---- | 12 | 104 - 7 | ---- | 65 | 938'4 |
| NOV19 | 907'0 | 914'4B | 904'6A | 907'2 + | 1'6 | 271 | 1900 | 12481 + 451 | 430 | 8632 | 933'2 |
| JAN20 | ---- | ---- | ---- | 913'2 + | 1'6 | ---- | 3 | 214 + 1 | ---- | 70 | 938'2 |
| MAR20 | ---- | ---- | ---- | 915'2 + | 1'6 | ---- | ---- | 53 UNCH | ---- | 7 | 938'2 |
| MAY20 | ---- | ---- | ---- | 919'2 + | 1'4 | ---- | ---- | 30 UNCH | ---- | 7 | 940'4 |
| JUL20 | ---- | ---- | ---- | 926'2 + | 1'4 | ---- | ---- | 55 UNCH | ---- | 18 | 944'2 |
| AUG20 | ---- | ---- | ---- | 927'4 + | 1'4 | ---- | ---- | 22 UNCH | ---- | 7 | 926'6 |
| SEP20 | ---- | ---- | ---- | 920'6 + | 1'4 | ---- | ---- | 22 UNCH | ---- | 7 | 921'6 |
| NOV20 | 907'0 | 907'0 | 907'0 | 904'2 + | 1'4 | ---- | 1 | 187 + 1 | 4 | 99 | 926'6 |
| JUL21 | ---- | ---- | ---- | 931'4 + | 1'4 | ---- | ---- | 25 UNCH | ---- | 5 | 941'0 |
| NOV21 | ---- | ---- | ---- | 910'4 + | 1'4 | ---- | ---- | 24 UNCH | 2 | 6 | 925'4 |
| TOTAL SOYBEAN FUT | | | | | | 10499 | 287874 | 808844 - 29448 | 306039 | 673062 | |
| MINI SOYBEAN | | | | | | | | | | | |
| JUL18 | 866'0 | 878'0 | 866'0 | 867'4 + | 0'2 | ---- | 337 | 809 - 1699 | 378 | 915 | 914'0 |
| AUG18 | 874'0 | 884'1 | 871'2 | 873'0 | UNCH | ---- | 210 | 1400 + 76 | 161 | 517 | 919'0 |
| SEP18 | 880'4 | 887'4 | 877'4A | 878'4 + | 0'4 | ---- | 64 | 209 + 31 | 55 | 329 | 920'6 |
| NOV18 | 888'1 | 898'0 | 887'0 | 889'0 + | 1'4 | ---- | 501 | 23327 - 18 | 269 | 14236 | 921'6 |
| JAN19 | 904'1 | 906'0 | 897'2A | 898'0 + | 1'2 | ---- | 8 | 998 - 4 | 3 | 411 | 929'4 |
| MAR19 | ---- | ---- | ---- | 903'2 + | 2'2 | ---- | ---- | 116 UNCH | 7 | 44 | 936'0 |
| MAY19 | ---- | ---- | ---- | 911'4 + | 2'2 | ---- | ---- | 79 UNCH | ---- | 6 | 942'0 |
| JUL19 | 921'2 | 921'2 | *917'6 | 919'4 + | 1'2 | ---- | 21 | 115 + 14 | ---- | 64 | 947'4 |
| NOV19 | ---- | ---- | ---- | 907'2 + | 1'6 | ---- | ---- | 148 UNCH | 1 | 123 | 933'2 |
| JAN20 | ---- | ---- | ---- | 913'2 + | 1'6 | ---- | ---- | 1 UNCH | ---- | ---- | 938'2 |
| NOV20 | ---- | ---- | ---- | 904'2 + | 1'4 | ---- | ---- | 4 UNCH | ---- | 8 | 926'6 |
| NOV21 | ---- | ---- | ---- | 910'4 + | 1'4 | ---- | ---- | 2 UNCH | ---- | 4 | 925'4 |
| TOTAL MINI SOYBEAN | | | | | | 0 | 1141 | 27208 - 1600 | 874 | 16657 | |
| SOY MEAL FUT | | | | | | | | | | | |
| JUL18 | 333'3 | 338'3 | 332'8 | 333'9 + | 0'2 | 3463 | 32346 | 14524 - 9820 | 49090 | 15665 | 294'6 |
| AUG18 | 332'5 | 336'8 | 331'4 | 332'3 - | 0'5 | 2381 | 37235 | 79787 + 3353 | 34464 | 57589 | 296'6 |
| SEP18 | 332'8 | 336'6 | 331'2 | 332'0 - | 0'9 | 833 | 16372 | 59586 + 1423 | 12649 | 37396 | 298'1 |
| OCT18 | 332'4 | 336'2 | 330'6 | 331'6 - | 0'8 | ---- | 6870 | 34674 + 576 | 5874 | 23381 | 298'8 |
| DEC18 | 332'2 | 336'6 | 330'3 | 331'5 - | 1'1 | 988 | 38950 | 191804 + 1895 | 30853 | 176266 | 299'9 |
| JAN19 | 329'4 | 334'2 | 327'9 | 329'2 - | 1'0 | ---- | 5941 | 41608 + 334 | 2653 | 20090 | 300'7 |
| MAR19 | 326'0 | 330'2B | 323'4 | 324'4 - | 1'5 | ---- | 6102 | 31211 + 1830 | 2917 | 17105 | 302'9 |
| MAY19 | 324'3 | 328'5 | 322'0 | 323'0 - | 1'3 | ---- | 2153 | 14826 + 697 | 782 | 7985 | 303'9 |
| JUL19 | 326'9 | 329'9 | 323'5 | 324'5 - | 1'3 | 1 | 2005 | 15316 + 481 | 1188 | 12280 | 305'6 |
| AUG19 | 327'5 | 327'9B | 323'7 | 324'1 - | 1'3 | ---- | 231 | 1978 + 74 | 75 | 2458 | 305'9 |
| SEP19 | 327'0 | 327'9 | 323'0 | 323'4 - | 1'3 | ---- | 317 | 1406 + 57 | 83 | 1961 | 305'7 |
| OCT19 | 325'4 | 325'6 | 319'9 | 320'7 - | 0'8 | ---- | 207 | 1279 + 92 | 61 | 2017 | 304'1 |
| DEC19 | 322'2 | 325'1 | 319'6 | 320'4 - | 0'7 | ---- | 1427 | 8896 + 754 | 448 | 3631 | 304'5 |
| JAN20 | ---- | 322'3B | ---- | 320'2 - | 0'7 | ---- | ---- | 101 UNCH | ---- | 132 | 305'2 |
| MAR20 | ---- | ---- | ---- | 318'6 - | 0'4 | ---- | ---- | 25 UNCH | ---- | 24 | 305'9 |
| MAY20 | ---- | ---- | ---- | 320'6 - | 0'1 | ---- | ---- | 1 UNCH | ---- | 21 | 306'8 |
| JUL20 | 325'9 | 325'9 | *324'2 | 323'0 + | 0'2 | ---- | 320 | 214 + 199 | ---- | 30 | 307'2 |
| DEC20 | ---- | 320'0B | ---- | 320'0 + | 1'1 | ---- | ---- | 12 UNCH | ---- | 11 | 306'6 |
| TOTAL SOY MEAL FUT | | | | | | 7666 | 150476 | 497248 + 1945 | 141137 | 378042 | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13,2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
LC,FC,LH,PB,FD&DB=Price increments .00025 per pound (Last .005 omitted)

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# AGRICULTURAL FUTURES



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY OIL FUT | | | | | | | | | | | | |
| JUL18 | 28'91 | 29'18 | 28'89 | 29'01 + | 0'7 | 1115 | 51341 | 13470 - | 17005 | 63191 | 15625 | 32'12 |
| AUG18 | 29'03 | 29'29 | 28'98 | 29'13 + | 0'10 | 1223 | 48544 | 75405 + | 4386 | 44037 | 75523 | 32'25 |
| SEP18 | 29'16 | 29'41 | 29'11 | 29'25 + | 0'8 | 1806 | 12254 | 43314 + | 1942 | 18003 | 38356 | 32'36 |
| OCT18 | 29'29 | 29'55 | 29'28A | 29'39 + | 0'8 | 37 | 5945 | 22820 - | 1217 | 7042 | 17565 | 32'40 |
| DEC18 | 29'53 | 29'84 | 29'52 | 29'68 + | 0'9 | 74 | 43410 | 224568 + | 2572 | 48195 | 160331 | 32'56 |
| JAN19 | 29'78 | 30'08 | 29'76 | 29'93 + | 0'11 | ---- | 6010 | 42655 + | 331 | 4742 | 21242 | 32'71 |
| MAR19 | 30'09 | 30'41 | 30'09 | 30'25 + | 0'12 | ---- | 2662 | 32608 - | 296 | 3469 | 17929 | 32'85 |
| MAY19 | 30'40 | 30'74 | 30'40 | 30'58 + | 0'13 | 1000 | 2252 | 13381 + | 823 | 671 | 7336 | 32'93 |
| JUL19 | 30'74 | 31'04B | 30'74 | 30'91 + | 0'13 | ---- | 1657 | 11556 + | 452 | 1233 | 9359 | 32'99 |
| AUG19 | 31'06 | 31'16B | 30'88A | 31'03 + | 0'11 | ---- | 34 | 2573 + | 5 | 117 | 1244 | 32'97 |
| SEP19 | 31'21 | 31'25 | 31'14A | 31'15 + | 0'12 | ---- | 35 | 2243 + | 4 | 185 | 1467 | 32'94 |
| OCT19 | 31'15 | 31'33 | 31'13A | 31'23 + | 0'10 | ---- | 36 | 1563 + | 11 | 42 | 1587 | 32'69 |
| DEC19 | 31'31 | 31'58 | 31'30A | 31'45 + | 0'12 | ---- | 545 | 5036 + | 118 | 427 | 3111 | 32'68 |
| JAN20 | ---- | ---- | ---- | 31'65 + | 0'10 | ---- | 16 | 326 | UNCH | ---- | 169 | 32'77 |
| MAR20 | ---- | ---- | ---- | 31'90 + | 0'12 | ---- | 1 | 276 + | 1 | ---- | 102 | 32'87 |
| MAY20 | ---- | ---- | ---- | 32'09 + | 0'13 | ---- | ---- | 219 | UNCH | ---- | 8 | 32'94 |
| JUL20 | ---- | ---- | ---- | 32'29 + | 0'23 | ---- | 106 | 190 + | 47 | ---- | ---- | 33'01 |
| AUG20 | ---- | ---- | ---- | 32'32 + | 0'23 | ---- | ---- | 25 | UNCH | ---- | ---- | 33'01 |
| SEP20 | ---- | ---- | ---- | 32'32 + | 0'30 | ---- | 61 | 83 + | 60 | ---- | ---- | 33'01 |
| OCT20 | ---- | ---- | ---- | 32'22 + | 0'18 | ---- | ---- | 31 | UNCH | ---- | ---- | 32'99 |
| DEC20 | ---- | ---- | ---- | 32'26 + | 0'24 | ---- | ---- | 44 | UNCH | ---- | ---- | 32'99 |
| TOTAL SOY OIL FUT | | | | | | 5255 | 174909 | 492386 - | 7766 | 191354 | 370954 | |
| PALM OIL FUT | | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 5'83 + | 0'1 | ---- | ---- | 560 | UNCH | ---- | 368 | 5'76 |
| JUL18 | ---- | ---- | ---- | 5'73 + | 0'7 | ---- | ---- | 640 | UNCH | ---- | 240 | 5'64 |
| AUG18 | ---- | ---- | ---- | 5'73 + | 0'8 | ---- | ---- | 600 | UNCH | ---- | 240 | 5'63 |
| SEP18 | ---- | ---- | ---- | 5'74 + | 0'6 | ---- | ---- | 1120 | UNCH | ---- | 240 | 5'65 |
| OCT18 | ---- | ---- | ---- | 5'81 + | 0'6 | ---- | ---- | 480 | UNCH | ---- | 40 | 5'68 |
| NOV18 | ---- | ---- | ---- | 5'90 + | 0'6 | ---- | ---- | 520 | UNCH | ---- | 40 | 5'73 |
| DEC18 | ---- | ---- | ---- | 5'99 + | 0'6 | ---- | ---- | 480 | UNCH | ---- | 40 | 5'75 |
| JAN19 | ---- | ---- | ---- | 6'03 + | 0'5 | ---- | ---- | 200 | UNCH | ---- | ---- | 5'77 |
| TOTAL PALM OIL FUT | | | | | | 0 | 0 | 4600 | | | 1208 | |
| WHEAT FUT | | | | | | | | | | | | |
| JUL18 | 470'0 | 482'2 | 468'6 | 479'4 + | 10'0 | 854 | 29965 | 13935 - | 8251 | 23422 | 14294 | 457'2 |
| SEP18 | 483'0 | 492'2 | 481'6 | 488'4 + | 5'4 | 374 | 75222 | 192929 + | 1496 | 64742 | 200528 | 473'0 |
| DEC18 | 500'0 | 508'4 | 499'2 | 503'6 + | 3'2 | 2 | 37793 | 162778 + | 811 | 17177 | 116014 | 495'2 |
| MAR19 | 516'4 | 525'0B | 516'0 | 519'2 + | 1'4 | 2 | 9999 | 50774 + | 2005 | 5882 | 37482 | 510'0 |
| MAY19 | 528'4 | 536'2 | 528'2 | 530'6 + | 1'0 | ---- | 2380 | 11778 + | 480 | 4864 | 13512 | 520'6 |
| JUL19 | 534'2 | 541'2B | 534'2 | 536'2 + | 0'6 | 6 | 2374 | 29425 - | 340 | 1011 | 15366 | 526'0 |
| SEP19 | 547'4 | 550'2B | 544'0A | 545'0 | UNCH | 112 | 1099 | 5025 + | 145 | 81 | 824 | 535'6 |
| DEC19 | 557'6 | 563'6B | 557'6 | 558'6 + | 0'2 | ---- | 357 | 6774 - | 10 | 185 | 2919 | 550'6 |
| MAR20 | 570'0 | 572'4B | 567'6A | 568'0 | UNCH | ---- | 15 | 1298 - | 3 | 2 | 341 | 559'4 |
| MAY20 | ---- | ---- | ---- | 572'6 | UNCH | ---- | ---- | 9 | UNCH | ---- | 13 | 562'0 |
| JUL20 | ---- | ---- | ---- | 569'2 - | 1'2 | ---- | 2 | 489 + | 1 | ---- | 55 | 549'0 |
| TOTAL WHEAT FUT | | | | | | 1350 | 159206 | 475214 - | 3666 | 117366 | 401348 | |
| MINI WHEAT | | | | | | | | | | | | |
| JUL18 | 471'0 | 481'2 | 469'7 | 479'4 + | 10'0 | 3 | 121 | 350 - | 486 | 104 | 459 | 457'2 |
| SEP18 | 483'0 | 491'6B | 482'0 | 488'4 + | 5'4 | ---- | 356 | 581 + | 67 | 198 | 485 | 473'0 |
| DEC18 | 500'2 | 508'2B | 500'2 | 503'6 + | 3'2 | ---- | 10 | 161 + | 5 | 25 | 387 | 495'2 |
| MAR19 | ---- | ---- | ---- | 519'2 + | 1'4 | ---- | ---- | 58 | UNCH | 5 | 46 | 510'0 |
| MAY19 | ---- | ---- | ---- | 530'6 + | 1'0 | ---- | ---- | 17 | UNCH | ---- | 21 | 520'6 |
| JUL19 | ---- | ---- | ---- | 536'2 + | 0'6 | ---- | ---- | 652 | UNCH | 1 | 214 | 526'0 |
| SEP19 | ---- | ---- | ---- | 545'0 | UNCH | ---- | ---- | 39 | UNCH | ---- | 15 | 535'6 |
| DEC19 | ---- | ---- | ---- | 558'6 + | 0'2 | ---- | ---- | 28 | UNCH | ---- | ---- | 550'6 |
| MAR20 | ---- | ---- | ---- | 568'0 | UNCH | ---- | ---- | 7 | UNCH | ---- | ---- | 559'4 |
| JUL20 | ---- | ---- | ---- | 569'2 - | 1'2 | ---- | ---- | 16 | UNCH | ---- | ---- | 549'0 |
| TOTAL MINI WHEAT | | | | | | 3 | 487 | 1909 - | 414 | 333 | 1627 | |
| WEU FUT | | | | | | | | | | | | |
| TOTAL WEU FUT | | | | | | | | | | | | |
| LV CATTLE FUT | | | | | | | | | | | | |
| JUN18 | 105.95 | 107.17 | 105.95 | 107.02 + | 110 | ---- | 1315 | 1086 - | 887 | 1552 | 1060 | 120.25 |
| AUG18 | 102.50 | 102.95 | 101.65 | 102.72 + | 30 | 20 | 19921 | 138895 - | 2812 | 23363 | 167143 | 115.62 |
| OCT18 | 105.97 | 106.35 | 105.12 | 106.15 + | 25 | ---- | 11348 | 84495 + | 1861 | 11054 | 109895 | 113.65 |
| DEC18 | 110.60 | 110.87 | 109.85 | 110.72 + | 12 | ---- | 5661 | 53866 - | 90 | 6344 | 59493 | 114.00 |
| FEB19 | 114.00 | 114.22 | 113.35 | 114.12 + | 2 | ---- | 2201 | 22485 - | 73 | 2601 | 26961 | 114.57 |
| APR19 | 115.25 | 115.37 | 114.67 | 115.30 - | 5 | ---- | 1022 | 13813 + | 257 | 1552 | 11769 | 113.02 |
| JUN19 | 108.10 | 108.22 | 107.42 | 108.00 - | 10 | ---- | 453 | 8219 - | 57 | 345 | 5764 | 106.42 |
| AUG19 | 107.15 | 107.15 | 106.42 | 107.07 - | 2 | ---- | 217 | 2694 + | 151 | 49 | 1002 | 105.00 |
| OCT19 | 108.40 | 108.50B | 107.90 | 108.40 - | 32 | ---- | 23 | 205 + | 21 | ---- | ---- | 107.60 |
| TOTAL LV CATTLE FUT | | | | | | 20 | 42161 | 325758 - | 1629 | 46860 | 383087 | |
| FDR CATTLE FUT | | | | | | | | | | | | |
| AUG18 | 146.10 | 146.12 | 144.90 | 145.77 - | 32 | ---- | 4078 | 23187 + | 145 | 5535 | 29920 | 146.40 |
| SEP18 | 146.67 | 146.75 | 145.50 | 146.47 - | 20 | ---- | 1728 | 7564 + | 233 | 2886 | 11157 | 146.40 |
| OCT18 | 146.50 | 146.60 | 145.45 | 146.47 - | 12 | ---- | 726 | 5887 - | 35 | 1831 | 7193 | 145.07 |
| NOV18 | 146.57 | 146.67 | 145.60 | 146.50 - | 15 | ---- | 419 | 4653 + | 33 | 991 | 4254 | 143.40 |
| JAN19 | 144.35 | 144.52 | 143.35 | 144.32 - | 20 | ---- | 285 | 3667 + | 82 | 404 | 2848 | 139.15 |
| MAR19 | 143.37 | 143.60B | 142.92A | 143.40 - | 50 | ---- | 29 | 1491 - | 2 | 30 | 711 | 136.67 |
| APR19 | 144.20 | 144.20 | 143.40 | 143.82 - | 67 | ---- | 13 | 272 + | 2 | 19 | 54 | 135.70 |
| MAY19 | 143.30 | 143.50B | 143.30 | 143.50 - | 85 | ---- | 2 | 21 | UNCH | 12 | 18 | 135.50 |
| TOTAL FDR CATTLE FUT | | | | | | 0 | 7280 | 46742 + | 458 | 11708 | 56155 | |
| LEAN HOGS FUT | | | | | | | | | | | | |
| JUL18 | 79.55 | 80.47 | 79.12 | 80.22 + | 110 | ---- | 6810 | 20505 - | 2297 | 7114 | 20025 | 87.92 |
| AUG18 | 74.82 | 75.25 | 74.30 | 75.05 + | 30 | ---- | 15128 | 76427 + | 252 | 16331 | 90306 | 79.47 |
| OCT18 | 60.87 | 61.37 | 60.45 | 61.30 + | 37 | ---- | 11231 | 71422 + | 1205 | 11221 | 69693 | 68.17 |
| DEC18 | 56.25 | 56.62 | 55.90 | 56.52 + | 20 | ---- | 4875 | 34748 + | 779 | 4253 | 36594 | 61.92 |
| FEB19 | 61.65 | 61.95 | 61.35 | 61.62 - | 10 | ---- | 2293 | 14205 + | 179 | 1774 | 16927 | 65.55 |
| APR19 | 66.15 | 66.60 | 66.15 | 66.37 - | 12 | ---- | 1485 | 10178 + | 703 | 1080 | 16185 | 69.45 |
| MAY19 | 71.15 | 71.40 | 71.02 | 71.40 + | 12 | ---- | 7 | 234 + | 5 | 11 | 263 | 73.45 |
| JUN19 | 74.92 | 75.37 | 74.92 | 75.15 - | 12 | ---- | 135 | 1078 + | 13 | 228 | 6849 | 76.90 |
| JUL19 | 74.37 | 74.85 | 74.37 | 74.85 - | 15 | ---- | 27 | 187 + | 4 | 20 | 621 | 75.82 |
| AUG19 | 73.30 | 73.82 | 73.27 | 73.82 - | 12 | ---- | 28 | 97 + | 3 | 6 | 358 | 74.52 |
| OCT19 | ---- | ---- | ---- | 61.02 - | 2 | ---- | 3 | 101 + | 2 | ---- | 80 | 65.25 |
| DEC19 | ---- | ---- | ---- | 56.57 - | 2 | ---- | ---- | 5 | UNCH | ---- | 2 | 60.40 |
| TOTAL LEAN HOGS FUT | | | | | | 0 | 42022 | 229187 + | 848 | 42038 | 257903 | |

LEAN HOG GLOBEX VOLUME 42,022

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13,2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
LC,FC,LH,PB,FD&DB=Price increments .00025 per pound (Last .005 omitted)
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# AGRICULTURAL FUTURES



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| ETHANOL | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | 1'396 | 1'427 | 1'396 | 1'415 + | 0'021 | ---- | 75 | 86 - | 50 | 128 | 124 | 1'472 |
| AUG18 | 1'421 | 1'473 | 1'420 | 1'435 + | 0'018 | ---- | 210 | 1008 + | 43 | 265 | 1071 | 1'482 |
| SEP18 | 1'440 | 1'446 | 1'440 | 1'444 + | 0'017 | ---- | 69 | 461 + | 25 | 95 | 287 | 1'485 |
| OCT18 | 1'430 | 1'436B | 1'430 | 1'442 + | 0'017 | ---- | 8 | 149 - | 4 | ---- | 225 | 1'481 |
| NOV18 | 1'427 | 1'427 | 1'427 | 1'435 + | 0'013 | ---- | 10 | 17 - | 10 | ---- | 150 | 1'464 |
| DEC18 | 1'438 | 1'438 | 1'419 | 1'423 + | 0'008 | ---- | 24 | 158 + | 17 | ---- | 340 | 1'450 |
| JAN19 | ---- | 1'410B | ---- | 1'417 + | 0'008 | ---- | ---- | 85 | UNCH | ---- | ---- | 1'435 |
| TOTAL ETHANOL | | | | | | 0 | 396 | 1964 + | 21 | 488 | 2197 | |

## KC WHEAT FUTURES PRODUCTS

| KEF CBT FUT | GLOBEX OPEN | OPEN OUTCRY OPEN RNG | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RNG | SETT. & PT. | PRICE CHGE | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | KC WHEAT FUTURES | | | | | | | | | | |
| JUL18 | 458'0 | 467'6 | 455'2 | | 460'2 | + | 2'2 | ---- | 15938 | 2414 | 8283 - 12559 |
| SEP18 | 476'0 | 485'2 | 473'0 | | 478'2 | + | 2'6 | ---- | 34670 | 2585 | 118367 + 5319 |
| DEC18 | 499'4 | 508'6 | 497'0 | | 501'4 | + | 2'0 | ---- | 12007 | 50 | 72356 - 1307 |
| MAR19 | 517'4 | 527'0 | 517'0 | | 519'6 | + | 1'6 | ---- | 3261 | ---- | 24049 + 251 |
| MAY19 | 530'0 | 539'0B | 530'0 | | 532'4 | + | 1'6 | ---- | 456 | ---- | 6053 + 139 |
| JUL19 | 539'4 | 548'6B | 539'4 | | 543'0 | + | 1'4 | ---- | 1381 | ---- | 9961 + 58 |
| SEP19 | 560'6 | 560'6 | 553'4A | | 555'6 | + | 2'0 | ---- | 359 | ---- | 942 - 80 |
| DEC19 | 575'0 | 577'2B | 571'4 | | 572'4 | + | 1'6 | ---- | 26 | ---- | 1660 - 1 |
| MAR20 | ---- | ---- | ---- | | 576'0 | + | 2'4 | ---- | ---- | ---- | 28 UNCH |
| JUL20 | ---- | 575'2B | ---- | | 575'6 | + | 2'4 | ---- | ---- | ---- | 40 UNCH |
| TOTAL KEF CBT FUT | | | | | | | | 0 | 68098 | 5049 | 241739 - 8180 |

Please note we have moved the Basis Swap and Forward Swap products from Daily Bulletin Page03 to Page67

## AGRICULTURAL FUTURES CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOYBEAN OIL FUT | | 07/13 | 08/14 | 09/14 | 10/12 | | 12/14 | 01/14 | | 03/14 | | 05/14 | |
| CORN FUT | | 07/13 | | 09/14 | | | 12/14 | | | 03/14 | | 05/14 | |
| BUTTER (CASH STLD) | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| CRUDE PALM OIL FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 |
| CHEESE (CASH STLD) | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| MILK FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| CLASS IV MILK | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| DRY WHEY FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| FDR CATTLE FUT | | | 08/30 | 09/27 | 10/25 | 11/15 | | 01/31 | | 03/28 | 04/18 | 05/23 | |
| LUMBER FUT | | 07/13 | | 09/14 | | 11/15 | | 01/15 | | 03/15 | | 05/15 | |
| LV CATTLE FUT | 06/29 | | 08/31 | | 10/31 | | 12/31 | | 02/28 | | 04/30 | | 06/28 |
| LEAN HOGS FUT | 06/14 | 07/16 | 08/14 | | 10/12 | | 12/14 | | 02/14 | | 04/12 | 05/14 | 06/14 |
| NFD MILK CS FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| OAT FUT | | 07/13 | | 09/14 | | | 12/14 | | | 03/14 | | 05/14 | |
| ROUGH RICE FUT | | 07/13 | | 09/14 | | 11/14 | | 01/14 | | 03/14 | | 05/14 | |
| SOY BEAN FUT | | 07/13 | 08/14 | 09/14 | | 11/14 | | 01/14 | | 03/14 | | 05/14 | |
| SOYBEAN MEAL FUT | | 07/13 | 08/14 | 09/14 | 10/12 | | 12/14 | 01/14 | | 03/14 | | 05/14 | |
| WHEAT FUT | | 07/13 | | 09/14 | | | 12/14 | | | 03/14 | | 05/14 | |
| MINI CORN FUT | | 07/13 | | 09/14 | | | 12/14 | | | 03/14 | | 05/14 | |
| MINI SOYBEAN FUT | | 07/13 | 08/14 | 09/14 | | 11/14 | | 01/14 | | 03/14 | | 05/14 | |
| MINI WHEAT FUT | | 07/13 | | 09/14 | | | 12/14 | | | 03/14 | | 05/14 | |
| MILK MIDI FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |

## EX-PIT & OTHER BREAKDOWN

| | -----DELIVERY------ CASH OR PHYSICAL DAILY | MTH-TO-DATE | EFP DAILY TOTALS | EFP M-T-D TOTALS | EFS DAILY TOTALS | EFR DAILY TOTALS | BLOCKS DAILY TOTALS | BLOCKS M-T-D TOTALS | TAS DAILY TOTALS | TRANSFERS DAILY TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| CORN FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 13756 | 283547 | --- | 843 | --- | 9133 | 2275 | 1175 |
| SEP18 | --- | --- | 1728 | 21859 | --- | 116 | --- | 9133 | 3408 | 411 |
| DEC18 | --- | --- | 242 | 4584 | --- | --- | --- | 500 | 792 | 257 |
| MAR19 | --- | --- | --- | 1920 | --- | --- | --- | --- | --- | 100 |
| MAY19 | --- | --- | --- | 488 | --- | --- | --- | --- | --- | --- |
| JUL19 | --- | --- | --- | 548 | --- | --- | --- | --- | --- | --- |
| SEP19 | --- | --- | --- | 1302 | --- | --- | --- | --- | --- | --- |
| DEC19 | --- | --- | --- | 2122 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | 15726 | 316370 | | 959 | | 18766 | 6475 | 1943 |
| SOYBEAN FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 7694 | 232118 | --- | 146 | --- | --- | 1505 | 16668 |
| AUG18 | --- | --- | 536 | 12298 | --- | 1 | --- | --- | 1178 | 200 |
| SEP18 | --- | --- | 470 | 5363 | --- | --- | --- | --- | 18 | --- |
| NOV18 | --- | --- | 547 | 19200 | --- | 21 | --- | 200 | 964 | 924 |
| JAN19 | --- | --- | 2 | 196 | --- | --- | --- | --- | --- | 166 |
| MAR19 | --- | --- | 500 | 7122 | --- | --- | --- | --- | --- | 182 |
| MAY19 | --- | --- | --- | 6139 | --- | --- | --- | --- | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19 |
| NOV19 | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- |
| TOTALS: | | | 9749 | 282436 | | 169 | | 200 | 3665 | 18159 |
| SOYBEAN MEAL FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 2935 | 79651 | --- | 527 | --- | --- | 991 | --- |
| AUG18 | --- | --- | 2309 | 8559 | --- | 72 | --- | --- | 756 | 2324 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13,2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# AGRICULTURAL FUTURES



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP18 | --- | --- | 20 | 2270 | --- | 800 | --- | --- | --- | --- |
| OCT18 | --- | --- | --- | 405 | --- | --- | --- | 236 | --- | 1947 |
| DEC18 | --- | --- | 937 | 1815 | --- | --- | --- | --- | 84 | 370 |
| JAN19 | --- | --- | --- | 2 | --- | --- | --- | 236 | --- | 16 |
| MAR19 | --- | --- | --- | 335 | --- | --- | --- | --- | --- | 32 |
| MAY19 | --- | --- | --- | 5 | --- | --- | --- | --- | --- | --- |
| JUL19 | --- | --- | --- | 3 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | 6201 | 93045 | | 1399 | | 472 | 1831 | 4689 |
| SOYBEAN OIL FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 1115 | 39347 | --- | --- | --- | --- | 777 | 406 |
| AUG18 | --- | --- | 1223 | 6223 | --- | --- | --- | --- | 606 | 662 |
| SEP18 | --- | --- | 1806 | 5147 | --- | --- | --- | --- | 554 | --- |
| OCT18 | --- | --- | 37 | 2462 | --- | --- | --- | --- | --- | --- |
| DEC18 | --- | --- | 74 | 6307 | --- | --- | --- | 1000 | 423 | --- |
| JAN19 | --- | --- | --- | 42 | --- | --- | --- | --- | --- | --- |
| MAR19 | --- | --- | --- | 1030 | --- | --- | --- | --- | --- | --- |
| MAY19 | --- | --- | --- | 485 | --- | 1000 | --- | --- | --- | --- |
| JUL19 | --- | --- | --- | 561 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | 4255 | 61604 | | 1000 | | 1000 | 2360 | 1068 |
| KC WHEAT FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 411 | 25254 | --- | 3 | 2000 | 4500 | 161 | 187 |
| SEP18 | --- | --- | 585 | 6745 | --- | --- | 2000 | 4000 | 485 | 1415 |
| DEC18 | --- | --- | 50 | 945 | --- | --- | --- | --- | 170 | 512 |
| MAR19 | --- | --- | --- | 109 | --- | --- | --- | --- | --- | 66 |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | 500 | --- | 239 |
| TOTALS: | | | 1046 | 33053 | | 3 | 4000 | 9000 | 816 | 2419 |
| WHEAT FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 849 | 9339 | --- | 5 | --- | 837 | 185 | 340 |
| SEP18 | --- | --- | 132 | 4557 | --- | --- | --- | 571 | 958 | 423 |
| DEC18 | --- | --- | --- | 169 | --- | 2 | --- | --- | 615 | 308 |
| MAR19 | --- | --- | --- | 100 | --- | 2 | --- | --- | --- | --- |
| MAY19 | --- | --- | --- | 40 | --- | --- | --- | --- | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | 6 | --- | 500 | --- | --- |
| SEP19 | --- | --- | --- | 55 | --- | 2 | --- | --- | --- | --- |
| TOTALS: | | | 981 | 14260 | | 17 | | 1908 | 1758 | 1071 |
| LIVE CATTLE FUTURES | | | | | | | | | | |
| JUN18 | --- | --- | --- | 135 | --- | --- | --- | --- | --- | --- |
| AUG18 | --- | --- | 20 | 20 | --- | --- | --- | --- | 270 | 7 |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 399 | 55 |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 250 | --- |
| TOTALS: | | | 20 | 155 | | | | | 919 | 62 |
| LUMBER FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 5 | 124 | --- | --- | --- | --- | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 |
| TOTALS: | | | 5 | 124 | | | | | | 1 |
| MINI WHEAT FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 3 | 4 | --- | --- | --- | --- | --- | 1050 |
| TOTALS: | | | 3 | 4 | | | | | | 1050 |
| BLACK SEA CORN FIN STL PLATTS FUT | | | | | | | | | | |
| TOTALS: | | | | | | | | 20 | | 0 |
| BLACK SEA WHEAT FIN STL PLATTS FUT | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | 100 | 3440 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | 900 | 6940 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | 500 | 950 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | 400 | 500 | --- | --- |
| TOTALS: | | | | | | | 1900 | 15530 | | 0 |
| USD DENOMINATED CRUDE PALM OIL FUT | | | | | | | | | | |
| TOTALS: | | | | | | | | 600 | | 0 |
| FEEDER CATTLE FUTURE | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 19 | --- |
| TOTALS: | | | | | | | | | 19 | 0 |
| LEAN HOG FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 9 | 195 |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 466 | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 557 | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 5 |
| TOTALS: | | | | | | | | | 1032 | 200 |

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**FINAL**



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| OATS FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | --- | 534 | --- | --- | --- | --- | --- | --- |
| DEC18 | --- | --- | --- | 81 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | | 615 | | | | | | 0 |
| ROUGH RICE FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | --- | 1096 | --- | --- | --- | 52 | --- | --- |
| SEP18 | --- | --- | --- | 242 | --- | --- | --- | 52 | --- | --- |
| NOV18 | --- | --- | --- | 336 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | | 1674 | | | | 104 | | 0 |
| UREA (GRANULAR) FOB MIDDLE EAST FUT | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | 100 | 550 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | 50 | 50 | --- | --- |
| TOTALS: | | | | | | | 150 | 1070 | | 0 |
| MINI CORN FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1115 |
| TOTALS: | | | | | | | | | | 1115 |
| MINI SOYBEAN FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | --- | 10 | --- | --- | --- | --- | --- | 2750 |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15 |
| TOTALS: | | | | 10 | | | | | | 2765 |

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## FINAL



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**PRICE INDICATOR KEY**
R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ---- | | | | | | | | | ---- | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MILK FUT | | | | | | | | | | | | |
| JUN18 | 15.23 | 15.26 | 15.23 | 15.23 + | 1 | ---- | 57 | 2890 + | 2 | ---- | 5540 | 16.44 |
| JUL18 | 14.10 | 14.35 | 14.06 | 14.29 + | 23 | ---- | 535 | 3949 - | 21 | 197 | 4902 | 15.82 |
| AUG18 | 14.94 | 15.30 | 14.93 | 15.27 + | 39 | ---- | 355 | 3686 + | 11 | 329 | 4144 | 16.60 |
| SEP18 | 15.65 | 15.92 | 15.60 | 15.89 + | 32 | ---- | 240 | 3265 - | 12 | 256 | 4210 | 16.78 |
| OCT18 | 15.81 | 16.05 | 15.78 | 16.03 + | 26 | ---- | 228 | 2755 + | 82 | 93 | 3034 | 16.97 |
| NOV18 | 15.78 | 16.06 | 15.77 | 15.96 + | 23 | ---- | 130 | 2282 + | 4 | 37 | 2664 | 16.97 |
| DEC18 | 15.72 | 15.97 | 15.72 | 15.88 + | 18 | ---- | 127 | 2065 - | 14 | 20 | 2527 | 16.82 |
| JAN19 | 15.66 | 15.81 | 15.62A | 15.79 + | 16 | ---- | 30 | 728 + | 13 | 30 | 814 | 16.57 |
| FEB19 | 15.61 | 15.80 | 15.61 | 15.79 + | 14 | ---- | 5 | 533 - | 3 | 18 | 763 | 16.50 |
| MAR19 | 15.72 | 15.77B | 15.71 | 15.74 + | 8 | ---- | 5 | 423 + | 4 | 10 | 656 | 16.48 |
| APR19 | 15.81 | 15.88 | 15.81 | 15.85 + | 8 | ---- | 3 | 382 + | 3 | 2 | 500 | 16.37 |
| MAY19 | ---- | ---- | ---- | 15.90 | UNCH | ---- | ---- | 244 | UNCH | 14 | 506 | 16.42 |
| JUN19 | ---- | ---- | ---- | 16.00 | UNCH | ---- | ---- | 182 | UNCH | 13 | 446 | 16.59 |
| JUL19 | ---- | ---- | ---- | 16.20 | UNCH | ---- | ---- | 68 | UNCH | 2 | 124 | 16.73 |
| AUG19 | ---- | ---- | ---- | 16.46 | UNCH | ---- | ---- | 102 | UNCH | 12 | 121 | 16.80 |
| SEP19 | ---- | ---- | ---- | 16.63 | UNCH | ---- | ---- | 75 | UNCH | 18 | 130 | 16.86 |
| OCT19 | ---- | ---- | ---- | 16.50 | UNCH | ---- | ---- | 78 | UNCH | ---- | 79 | 16.86 |
| NOV19 | ---- | ---- | ---- | 16.43 | UNCH | ---- | ---- | 69 | UNCH | ---- | 81 | 16.76 |
| DEC19 | ---- | ---- | ---- | 16.25 | UNCH | ---- | ---- | 61 | UNCH | ---- | 78 | 16.66 |
| | | | | | | 0 | 1715 | 23837 + | 69 | 1051 | 31319 | |
| CHEESE CSC FUT | | | | | | | | | | | | |
| JUN18 | 1.620 | 1.620 | 1.619 | 1.619 + | 1 | ---- | 2 | 3061 + | 2 | ---- | 4175 | 1.629 |
| JUL18 | 1.500 | 1.520 | 1.497 | 1.515 + | 19 | ---- | 216 | 3403 + | 100 | 74 | 3880 | 1.575 |
| AUG18 | 1.590 | 1.614 | 1.588 | 1.611 + | 28 | ---- | 171 | 3315 - | 15 | 101 | 3325 | 1.669 |
| SEP18 | 1.660 | 1.676 | 1.659 | 1.675 + | 22 | ---- | 71 | 3236 + | 5 | 78 | 2820 | 1.701 |
| OCT18 | 1.680 | 1.701 | 1.680 | 1.694 + | 18 | ---- | 54 | 3278 + | 19 | 16 | 2237 | 1.735 |
| NOV18 | 1.680 | 1.692 | 1.680 | 1.690 + | 14 | ---- | 116 | 3298 + | 13 | 16 | 2510 | 1.737 |
| DEC18 | 1.680 | 1.687 | 1.675 | 1.681 + | 10 | ---- | 75 | 2795 + | 25 | 12 | 2408 | 1.730 |
| JAN19 | 1.670 | 1.677 | 1.665 | 1.672 + | 4 | ---- | 41 | 809 - | 17 | 5 | 757 | 1.715 |
| FEB19 | 1.670 | 1.676 | 1.668 | 1.675 + | 6 | ---- | 29 | 636 - | 11 | 4 | 697 | 1.725 |
| MAR19 | 1.680 | 1.679 | 1.677 | 1.679 + | 2 | ---- | 9 | 653 + | 4 | 13 | 654 | 1.710 |
| APR19 | 1.680 | 1.682 | 1.680 | 1.682 - | 2 | ---- | 12 | 417 | UNCH | 10 | 541 | 1.710 |
| MAY19 | 1.690 | 1.693 | 1.693 | 1.693 + | 3 | ---- | 13 | 380 + | 1 | 9 | 449 | 1.714 |
| JUN19 | 1.700 | 1.704 | 1.702A | 1.702 + | 2 | ---- | 8 | 297 + | 1 | 39 | 444 | 1.722 |
| JUL19 | ---- | ---- | ---- | 1.720 | UNCH | ---- | 3 | 162 | UNCH | 4 | 75 | 1.736 |
| AUG19 | ---- | ---- | ---- | 1.733 | UNCH | ---- | 3 | 87 + | 3 | ---- | 65 | 1.740 |
| SEP19 | ---- | ---- | ---- | 1.738 | UNCH | ---- | 3 | 76 + | 3 | ---- | 58 | 1.745 |
| OCT19 | ---- | ---- | ---- | 1.720 | UNCH | ---- | 3 | 75 + | 3 | ---- | 15 | 1.754 |
| NOV19 | ---- | ---- | ---- | 1.710 | UNCH | ---- | 3 | 75 + | 2 | ---- | 14 | 1.750 |
| DEC19 | ---- | ---- | ---- | 1.700 | UNCH | ---- | 3 | 75 + | 1 | ---- | 12 | 1.750 |
| TOTAL CHEESE CSC FUT | | | | | | 0 | 835 | 26128 + | 139 | 381 | 25136 | |
| DRY WHEY FUT | | | | | | | | | | | | |
| JUN18 | 30.60 | 31.05 | 30.60 | 30.625 + | 10 | ---- | 45 | 400 + | 14 | ---- | 939 | 49.17 |
| JUL18 | 31.82 | 32.60B | 31.78 | 32.500 + | 67 | ---- | 15 | 554 + | 13 | 8 | 722 | 46.25 |
| AUG18 | 31.40 | 33.00 | 31.40 | 33.000 + | 175 | ---- | 24 | 559 + | 18 | 4 | 665 | 43.60 |
| SEP18 | 31.25 | 32.33B | 31.25 | 31.950 + | 117 | ---- | 9 | 515 + | 9 | 2 | 622 | 41.00 |
| OCT18 | 30.55 | 31.88B | 30.55 | 30.825 + | 27 | ---- | 6 | 461 + | 1 | 6 | 480 | 39.55 |
| NOV18 | 30.75 | 31.33B | 30.30 | 30.325 + | 20 | ---- | 7 | 506 + | 2 | 4 | 466 | 39.43 |
| DEC18 | 30.50 | 31.85B | 30.50 | 31.000 + | 125 | ---- | 7 | 540 - | 4 | ---- | 467 | 39.18 |
| JAN19 | ---- | 31.00B | ---- | 30.000 | UNCH | ---- | ---- | 131 | UNCH | 2 | 124 | 38.03 |
| FEB19 | 31.00 | 31.00 | 31.00 | 30.000 | UNCH | ---- | 1 | 99 | UNCH | 2 | 141 | 38.25 |
| MAR19 | ---- | 30.05B | ---- | 30.000 | UNCH | ---- | ---- | 126 | UNCH | 2 | 118 | 38.25 |
| APR19 | ---- | ---- | ---- | 31.000 | UNCH | ---- | ---- | 52 | UNCH | 2 | 82 | 38.75 |
| MAY19 | ---- | ---- | ---- | 31.900 | UNCH | ---- | ---- | 55 | UNCH | 2 | 65 | 38.30 |
| JUN19 | ---- | ---- | ---- | 32.200 | UNCH | ---- | ---- | 44 | UNCH | 2 | 70 | 38.33 |
| JUL19 | ---- | ---- | ---- | 34.050 | UNCH | ---- | ---- | 7 | UNCH | ---- | 9 | 38.00 |
| AUG19 | ---- | ---- | ---- | 35.425 | UNCH | ---- | ---- | 7 | UNCH | ---- | 9 | 37.08 |
| SEP19 | ---- | ---- | ---- | 39.475 | UNCH | ---- | ---- | 5 | UNCH | ---- | 9 | 37.10 |
| OCT19 | ---- | ---- | ---- | 40.900 | UNCH | ---- | ---- | 5 | UNCH | ---- | 8 | 38.53 |
| NOV19 | ---- | ---- | ---- | 41.900 | UNCH | ---- | ---- | 5 | UNCH | ---- | 8 | 38.53 |
| DEC19 | ---- | ---- | ---- | 43.375 | UNCH | ---- | ---- | 5 | UNCH | ---- | 8 | 38.53 |
| TOTAL DRY WHEY FUT | | | | | | 0 | 114 | 4076 + | 53 | 36 | 5082 | |
| CLASS IV MILK | | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 14.91 | UNCH | ---- | ---- | 185 | UNCH | ---- | 534 | 15.89 |
| JUL18 | ---- | 14.35B | ---- | 14.35 + | 12 | ---- | ---- | 207 | UNCH | 5 | 489 | 16.76 |
| AUG18 | ---- | 14.39B | 14.32A | 14.37 + | 1 | ---- | 1 | 196 | UNCH | 5 | 431 | 16.88 |
| SEP18 | ---- | 14.60B | ---- | 14.59 | UNCH | ---- | 1 | 162 | UNCH | 5 | 430 | 16.95 |
| OCT18 | ---- | ---- | 14.85A | 14.89 | UNCH | ---- | 1 | 150 | UNCH | 10 | 463 | 17.07 |
| NOV18 | ---- | 15.02B | ---- | 15.01 + | 5 | ---- | 1 | 163 | UNCH | 5 | 365 | 17.13 |
| DEC18 | ---- | ---- | ---- | 15.08 | UNCH | ---- | 1 | 141 | UNCH | 5 | 421 | 16.56 |
| JAN19 | ---- | ---- | 15.08A | 15.09 | UNCH | ---- | 1 | 112 + | 1 | ---- | 117 | 16.15 |
| FEB19 | ---- | ---- | 15.18A | 15.19 | UNCH | ---- | ---- | 102 | UNCH | ---- | 135 | 16.24 |
| MAR19 | ---- | ---- | 15.35A | 15.45 | UNCH | ---- | ---- | 98 | UNCH | ---- | 176 | 16.40 |
| APR19 | ---- | ---- | 15.55A | 15.60 | UNCH | ---- | ---- | 38 | UNCH | ---- | 95 | 16.49 |
| MAY19 | ---- | ---- | ---- | 16.00 | UNCH | ---- | ---- | 2 | UNCH | ---- | 88 | 16.50 |
| JUN19 | ---- | ---- | ---- | 16.05 | UNCH | ---- | ---- | 2 | UNCH | ---- | 95 | 16.50 |
| TOTAL CLASS IV MILK | | | | | | 0 | 6 | 1558 + | 1 | 35 | 3839 | |
| BUTTER CS FUT | | | | | | | | | | | | |
| JUN18 | 236.47 | 236.98 | 236.48 | 236.475 + | 47 | ---- | 8 | 1390 | UNCH | ---- | 992 | 240.65 |
| JUL18 | 227.90 | 228.85 | 227.60 | 227.600 + | 22 | ---- | 27 | 1427 + | 16 | 6 | 913 | 265.65 |
| AUG18 | 228.27 | 230.50 | 228.28 | 229.500 + | 175 | ---- | 32 | 1191 + | 8 | 29 | 992 | 268.50 |
| SEP18 | 230.67 | 232.25 | 230.68 | 231.500 + | 102 | ---- | 71 | 985 + | 12 | 4 | 1172 | 267.65 |
| OCT18 | 233.80 | 235.00 | 233.45 | 234.475 + | 102 | ---- | 69 | 921 + | 27 | 1 | 900 | 264.60 |
| NOV18 | 234.82 | 235.70B | 234.83 | 235.500 + | 67 | ---- | 18 | 741 | UNCH | ---- | 525 | 264.80 |
| DEC18 | 234.02 | 234.28B | 234.03 | 234.275 + | 87 | ---- | 5 | 682 | UNCH | ---- | 469 | 250.00 |
| JAN19 | ---- | ---- | ---- | 230.875 | UNCH | ---- | ---- | 90 | UNCH | ---- | 63 | 233.00 |
| FEB19 | ---- | ---- | ---- | 231.200 | UNCH | ---- | ---- | 109 | UNCH | ---- | 45 | 231.50 |
| MAR19 | ---- | ---- | 232.98A | 235.500 | UNCH | ---- | ---- | 85 | UNCH | ---- | 29 | 231.53 |
| APR19 | ---- | ---- | 236.45A | 236.650 | UNCH | ---- | ---- | 5 | UNCH | ---- | 26 | 229.95 |
| MAY19 | ---- | ---- | ---- | 235.100 | UNCH | ---- | ---- | 4 | UNCH | ---- | 25 | 229.53 |
| JUN19 | ---- | ---- | ---- | 235.000 | UNCH | ---- | ---- | 4 | UNCH | ---- | 25 | 227.23 |
| TOTAL BUTTER CS FUT | | | | | | 0 | 230 | 7634 + | 63 | 40 | 6176 | |
| CSH NFDM FUT | | | | | | | | | | | | |
| JUN18 | 81.40 | 81.75B | 81.38 | 81.750 + | 22 | ---- | 25 | 1107 + | 18 | ---- | 1195 | 91.37 |
| JUL18 | 79.00 | 79.33B | 78.80 | 79.250 + | 25 | ---- | 30 | 1007 + | 10 | ---- | 997 | 88.50 |
| AUG18 | 78.87 | 79.75 | 78.88 | 79.750 + | 95 | ---- | 35 | 907 - | 13 | 10 | 943 | 89.90 |
| SEP18 | 80.40 | 81.20 | 80.40 | 81.200 + | 95 | ---- | 16 | 939 - | 1 | 20 | 914 | 90.53 |
| OCT18 | 81.82 | 82.95 | 81.83 | 82.500 + | 35 | ---- | 15 | 711 + | 6 | 2 | 556 | 91.40 |
| NOV18 | 83.10 | 84.15 | 83.10 | 84.050 + | 75 | ---- | 14 | 489 - | 7 | 13 | 630 | 92.55 |
| DEC18 | 84.22 | 85.20 | 84.23 | 84.800 - | 7 | ---- | 28 | 549 + | 1 | 1 | 640 | 94.13 |
| JAN19 | ---- | 85.78B | 85.65A | 85.750 | UNCH | ---- | 1 | 266 + | 1 | 6 | 361 | 96.08 |
| FEB19 | ---- | ---- | 86.88A | 87.000 | UNCH | ---- | 1 | 273 + | 1 | 7 | 223 | 98.20 |
| MAR19 | ---- | ---- | 88.13A | 88.375 | UNCH | ---- | 1 | 122 + | 1 | 10 | 199 | 100.18 |
| APR19 | 89.40 | 89.40 | 88.95 | 89.400 + | 10 | ---- | 14 | 104 + | 2 | 9 | 68 | 100.60 |
| MAY19 | ---- | ---- | ---- | 91.250 | UNCH | ---- | ---- | 44 | UNCH | 6 | 52 | 101.80 |
| JUN19 | ---- | ---- | ---- | 91.850 | UNCH | ---- | ---- | 29 | UNCH | 5 | 33 | 102.60 |
| JUL19 | ---- | ---- | ---- | 95.450 | UNCH | ---- | ---- | 8 | UNCH | 2 | 18 | 104.03 |
| AUG19 | ---- | ---- | ---- | 97.575 | UNCH | ---- | ---- | 8 | UNCH | ---- | 7 | 107.80 |
| SEP19 | ---- | ---- | ---- | 97.500 | UNCH | ---- | ---- | 5 | UNCH | ---- | ---- | 111.98 |
| OCT19 | ---- | ---- | ---- | 99.800 | UNCH | ---- | ---- | 4 | UNCH | ---- | ---- | 125.00 |
| TOTAL CSH NFDM FUT | | | | | | 0 | 180 | 6572 + | 19 | 91 | 6836 | |

**THE HIGHS AND LOWS FOR SEPTEMBER 14, 2009, MAY BE INCORRECT FOR CME GROUP EQUITIES AND AGRICULTURAL PRODUCTS WHICH TRADE SOLELY ON GLOBEX.

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# AGRICULTURAL FUTURES

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Side 02

## FINAL



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**PRICE INDICATOR KEY**
R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| LUMBER FUT | | | | | | | | | |
| JUL18 | 562.00 | 565.90 | 550.40 | 553.30 - 1010 | 5 | 635 | 1877 - 342 | 648.50 | 375.60 |
| SEP18 | 543.70 | 547.70 | 533.00 | 536.50 - 930 | ---- | 611 | 3164 + 320 | 632.70 | 372.90A |
| NOV18 | 508.50 | 508.50 | 499.00 | 500.50 - 950 | ---- | 60 | 592 + 18 | 595.60 | 369.70A |
| JAN19 | 484.50 | 484.50 | 479.90 | 479.90 - 1150 | ---- | 8 | 308 - 1 | 566.10 | 432.10 |
| MAR19 | 458.50 | 458.50 | 452.40A | 453.20 - 500 | ---- | 3 | 181 UNCH | 528.70 | 418.10 |
| MAY19 | 428.00 | 428.00 | 428.00 | 428.00 + UNCH | ---- | 1 | 56 UNCH | 494.30 | 395.00 |
| JUL19 | ---- | ---- | ---- | 398.50 + UNCH | ---- | ---- | 22 UNCH | 405.00 | 380.00 |
| TOTAL LUMBER FUT | | | | | 5 | 1318 | 6200 - 5 | | |
| HWOOD PULP FUT | | | | | | | | | |
| | ---- | | | | | | | | |
| TOTAL HWOOD PULP FUT | | | | | | | | | |

## ADDITIONAL CME & CBOT AGRICULTURAL FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RTH VOLUME | GLOBEX VOLUME | OPEN INTEREST | ----YEAR AGO---- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|
| BCF FUT | | | | | | | | | | |
| OCT18 | ---- | ---- | ---- | 183.00 + 1.50 | ---- | ---- | 120 UNCH | ---- | ---- | ---- |
| NOV18 | ---- | ---- | ---- | 183.50 + 1.00 | ---- | ---- | 100 UNCH | ---- | ---- | ---- |
| FEB19 | ---- | ---- | ---- | 191.00 + .50 | ---- | ---- | 300 UNCH | ---- | ---- | ---- |
| TOTAL BCF FUT | | | | | 0 | 0 | 520 | | | |
| BWF FUT | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 201.00 UNCH | ---- | ---- | 200 UNCH | ---- | ---- | ---- |
| JUL18 | ---- | ---- | ---- | 200.00 - .25 | ---- | ---- | 4310 UNCH | ---- | ---- | ---- |
| AUG18 | ---- | ---- | ---- | 200.75 - .75 | 100 | ---- | 3640 UNCH | ---- | ---- | ---- |
| SEP18 | ---- | ---- | ---- | 204.00 + 1.00 | 900 | ---- | 7650 + 400 | ---- | ---- | ---- |
| OCT18 | ---- | ---- | ---- | 207.50 + .50 | 500 | ---- | 2350 + 300 | ---- | ---- | ---- |
| NOV18 | ---- | ---- | ---- | 210.00 UNCH | ---- | ---- | 600 UNCH | ---- | ---- | ---- |
| DEC18 | ---- | ---- | ---- | 212.75 - 1.00 | ---- | ---- | 2550 UNCH | ---- | ---- | ---- |
| JAN19 | ---- | ---- | ---- | 216.50 UNCH | 400 | ---- | 600 + 400 | ---- | ---- | ---- |
| FEB19 | ---- | ---- | ---- | 218.25 + .50 | ---- | ---- | 1100 UNCH | ---- | ---- | ---- |
| TOTAL BWF FUT | | | | | 1900 | 0 | 23000 + 1100 | | | |
| UME FUT | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 255.50 UNCH | ---- | ---- | 350 UNCH | ---- | ---- | ---- |
| JUL18 | ---- | ---- | ---- | 276.00 + 3.00 | 100 | ---- | 200 - 50 | ---- | ---- | 186.00 |
| AUG18 | ---- | ---- | ---- | 279.00 NEW | 50 | ---- | 50 + 50 | ---- | ---- | 186.00 |
| SEP18 | ---- | ---- | ---- | 277.50 + 5.00 | ---- | ---- | 200 UNCH | ---- | ---- | 187.50 |
| OCT18 | ---- | ---- | ---- | 279.00 + 4.00 | ---- | ---- | 225 UNCH | ---- | ---- | 190.00 |
| NOV18 | ---- | ---- | ---- | 279.50 + 4.50 | ---- | ---- | 225 UNCH | ---- | ---- | 191.00 |
| DEC18 | ---- | ---- | ---- | 279.00 + 4.00 | ---- | ---- | 225 UNCH | ---- | ---- | 195.00 |
| JAN19 | ---- | ---- | ---- | 272.50 UNCH | ---- | ---- | 45 UNCH | ---- | ---- | ---- |
| FEB19 | ---- | ---- | ---- | 272.50 UNCH | ---- | ---- | 45 UNCH | ---- | ---- | ---- |
| MAR19 | ---- | ---- | ---- | 272.50 UNCH | ---- | ---- | 45 UNCH | ---- | ---- | ---- |
| TOTAL UME FUT | | | | | 150 | 0 | 1610 | | | |

BUTTER CS FUT

| | HIGH | LOW |
|---|---|---|
| JUN18 | 247.03 | 200.00 |
| JUL18 | 254.00 | 218.08 |
| AUG18 | 256.35 | 221.03 |
| SEP18 | 255.00 | 222.73 |
| OCT18 | 253.00 | 223.80 |
| NOV18 | 252.58 | 224.00 |
| DEC18 | 251.00 | 223.75 |
| JAN19 | 241.00 | 220.00 |
| FEB19 | 236.25 | 220.00 |
| MAR19 | 238.08 | 232.13 |
| APR19 | 237.20 | 235.60 |
| MAY19 | 235.10 | |
| JUN19 | 235.00 | |

CLASS IV MILK

| | HIGH | LOW |
|---|---|---|
| JUN18 | 17.00 | 13.69 |
| JUL18 | 16.85 | 13.94 |
| AUG18 | 16.85 | 14.14 |
| SEP18 | 17.00 | 14.39 |
| OCT18 | 16.46 | 14.58 |
| NOV18 | 16.48 | 14.73 |
| DEC18 | 16.49 | 14.67 |
| JAN19 | 16.06 | 15.05 |
| FEB19 | 16.00 | 15.18 |
| MAR19 | 16.10 | 15.15 |
| APR19 | 16.12 | 15.55 |
| MAY19 | | 17.00 |
| JUN19 | | 17.00 |
| JAN19 | 16.55 | 15.31 |
| FEB19 | 16.41 | 15.48 |
| MAR19 | 16.35 | 15.52 |
| APR19 | 16.70 | 15.40 |
| MAY19 | 16.85 | 15.50 |
| JUN19 | 16.50 | 15.59 |
| JUL19 | 16.60 | 15.60 |
| AUG19 | 16.80 | 15.80 |
| SEP19 | 16.80 | 15.94 |
| OCT19 | 16.66 | 16.00 |
| NOV19 | 16.50 | 16.10 |
| DEC19 | 16.36 | 16.05 |

LV CATTLE FUT

| | HIGH | LOW |
|---|---|---|
| JUN18 | 121.53 | 96.400 |
| AUG18 | 117.93 | 97.625 |
| OCT18 | 117.60 | 101.500 |
| DEC18 | 119.03 | 105.800 |
| FEB19 | 119.45 | 109.000 |
| APR19 | 119.23 | 110.425 |
| JUN19 | 113.00 | 104.775 |
| AUG19 | 111.00 | 103.875 |
| OCT19 | 111.00 | 106.400 |

LEAN HOGS FUT

| | HIGH | LOW |
|---|---|---|
| JUL18 | 85.58 | 72.00 |
| AUG18 | 85.00 | 72.45 |
| OCT18 | 71.50 | 59.75 |
| DEC18 | 65.28 | 55.43 |
| FEB19 | 68.72 | 60.45 |
| APR19 | 71.78 | 64.97 |
| MAY19 | 78.05 | 70.53 |
| JUN19 | 80.00 | 73.93 |
| JUL19 | 76.97 | 74.00 |
| AUG19 | 76.80 | 73.15 |
| OCT19 | 66.50 | 60.70 |
| DEC19 | 58.83 | 56.25 |

MILK FUT

| | HIGH | LOW |
|---|---|---|
| JUN18 | 17.00 | 14.37 |
| JUL18 | 16.90 | 13.87 |
| AUG18 | 17.10 | 14.67 |
| SEP18 | 17.10 | 15.40 |
| OCT18 | 17.05 | 15.58 |
| NOV18 | 17.01 | 15.56 |
| DEC18 | 16.90 | 15.45 |

DRY WHEY FUT

| | HIGH | LOW |
|---|---|---|
| JUN18 | 50.00 | 24.000 |
| JUL18 | 48.00 | 24.500 |
| AUG18 | 48.00 | 24.600 |
| SEP18 | 48.00 | 25.000 |
| OCT18 | 48.00 | 25.000 |
| NOV18 | 44.00 | 25.150 |
| DEC18 | 41.53 | 25.025 |
| JAN19 | 37.53 | 26.500 |
| FEB19 | 37.13 | 28.500 |
| MAR19 | 36.45 | 29.000 |
| APR19 | 36.23 | 30.375 |
| MAY19 | 36.23 | 31.350 |
| JUN19 | 37.10 | 32.200 |
| JUL19 | 32.70 | 32.700 |
| AUG19 | 32.90 | 32.900 |
| SEP19 | | 35.950 |
| OCT19 | | 40.375 |
| NOV19 | | 41.825 |
| DEC19 | | |

CSH NFDM FUT

| | HIGH | LOW |
|---|---|---|
| JUN18 | 136.75 | 70.60 |
| JUL18 | 137.03 | 72.10 |
| AUG18 | 110.03 | 74.10 |
| SEP18 | 107.50 | 76.30 |
| OCT18 | 105.60 | 78.10 |
| NOV18 | 106.00 | 79.50 |
| DEC18 | 109.00 | 80.97 |
| JAN19 | 112.00 | 82.55 |
| FEB19 | 101.00 | 83.90 |
| MAR19 | 99.25 | 85.95 |
| APR19 | 99.55 | 88.15 |
| MAY19 | 99.00 | 90.00 |
| JUN19 | 100.00 | 91.85 |
| JUL19 | 98.80 | 94.30 |
| AUG19 | 99.10 | 97.73 |
| SEP19 | 100.50 | 97.50 |
| OCT19 | 102.03 | 99.80 |

FDR CATTLE FUT

| | HIGH | LOW |
|---|---|---|
| AUG18 | 159.20 | 135.00 |
| SEP18 | 157.35 | 136.63 |
| OCT18 | 155.40 | 137.25 |
| NOV18 | 154.70 | 137.43 |
| JAN19 | 150.95 | 134.23 |
| MAR19 | 146.00 | 133.57 |
| APR19 | 146.35 | 135.25 |
| MAY19 | 146.00 | 143.28 |

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### NYMEX ALTERNATE INVESTMENTS AND SOFT FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| YO FUT | NYMEX SUGAR 11 FUTURES | | | | | | | |
| JUL18 | ---- | ---- | 0.1172 - 0.0040 | ---- | ---- | ---- | 58 | UNCH |
| TOTAL YO FUT | | | | 0 | 0 | | 58 | |

### EX-PIT & OTHER BREAKDOWN

| | -----DELIVERY----- CASH OR PHYSICAL DAILY | MTH-TO-DATE | EFP DAILY TOTALS | EFP M-T-D TOTALS | EFS DAILY TOTALS | EFR DAILY TOTALS | BLOCKS DAILY TOTALS | BLOCKS M-T-D TOTALS | TAS DAILY TOTALS | TRANSFERS DAILY TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| LUMBER FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | 5 | 124 | --- | --- | --- | --- | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 |
| TOTALS: | | | 5 | 124 | | | | | | 1 |

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USDA DAILY AM DIRECT HOG PRICE - REPORT # LM HG 202
http://www.ams.usda.gov/mnreport/lm_hg202.txt

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USDA DAILY TEXAS/OKLAHOMA/MINNESOTA DIRECT CATTLE REPORT - REPORT NO # LM CT118
http://www.ams.usda.gov/mnreports/lm_ct118.txt

USDA DAILY LIVESTOCK SLAUGHTER - REPORT NO # SJ LS 710
http://www.ams.usda.gov/mnreports/sj_ls710.txt

USDA DAILY PM BOXED BEEF PRICES/LOADS - REPORT NO # LM XB403
http://www.ams.usda.gov/mnreports/lm_xb403.txt

NATIONAL DAILY DIRECT PRIOR DAY HOG REPORT-LM HG200
http://www.ams.usda.gov/mnreports/lm_hg200.txt

USDA DAILY PM DIRECT HOG PRICE - REPORT NO # LM HG 203
http://www.ams.usda.gov/mnreports/lm_hg203.txt

USDA BEEF CARCASS PRICE - REPORT NO # NW LS 410
http://www.ams.usda.gov/mnreports/nw_ls410.txt

NATIONAL DAILY PORK REPORT FOB PLANT-REPORT NO. LM_PK602
http://www.ams.usda.gov/mnreports/lm_pk602.txt

NATIONAL DAILY PORK REPORT FOB OMAHA-REPORT NO. LM_PK603
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FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND on CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813.

### CURRENCY FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | | RTH VOLUME | ETH VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| POLISH (US) F | | | | | | | | | | | |
| SEP18 | 0.26536 | 0.26958B | *0.26534A | 0.26588 (3.76110) - | 302 | ---- | 1 | 9 | UNCH | .27824B | .26534A |
| TOTAL POLISH (US) F | | | | | | 0 | 1 | 9 | | | |
| WON/USD FUT | | | | | | | | | | | |
| JUL18 | 0.0008923 | 0.0008962B | *0.0008887A | 0.0008888( 1125.11) - | 0 | ---- | 6 | 299 | UNCH | .0009426B | .0008887A |
| AUG18 | ---- | 0.0008969B | *0.0008894A | 0.0008894( 1124.35) - | 0 | ---- | ---- | 6 | UNCH | .0009453B | .0008894A |
| SEP18 | ---- | ---- | ---- | 0.0008905( 1122.96) - | 0 | ---- | ---- | 31 | UNCH | ---- | .0009200A |
| TOTAL WON/USD FUT | | | | | | | 6 | 336 | | | |
| TURK LIRA(US) F | | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 4.78340 ( .20906) + | 101 | 13 | ---- | 1110 | UNCH | ---- | 4.82440A |
| TOTAL TURK LIRA(US) F | | | | | | 13 | | 1110 | | | |
| MICRO JPY/USD F - MJY | | | | | | | | | | | |
| SEP18 | 0.0091390 | .0091700 | .0091020 | .0091250(109.58904) - | 0.080 | ---- | 1794 | 1047 + | 78 | .01B | .01 |
| DEC18 | 0.0091960 | .0092310B | .0091650 | .0091875(108.84354) - | 0.090 | ---- | 36 | 46 + | 21 | .01B | .01A |
| TOTAL MICRO JPY/USD F - MJY | | | | | | | 1830 | 1093 + | 99 | | |
| MICRO GBP/USD F | | | | | | | | | | | |
| SEP18 | 1.3271 | 1.3282 | 1.3155 | 1.3175 ( .75901) - | 107 | ---- | 1721 | 1743 + | 103 | 1.4469B | 1.3153A |
| DEC18 | 1.3328 | 1.3337B | 1.3213A | 1.3231 ( .75580) - | 107 | ---- | 12 | 9 + | 6 | 1.3418 | 1.3210A |
| TOTAL MICRO GBP/USD F | | | | | | | 1733 | 1752 + | 109 | | |
| MICRO EUR/USD F | | | | | | | | | | | |
| SEP18 | 1.1721 | 1.1745 | 1.1611 | 1.1628 ( .85999) - | 95 | ---- | 14849 | 6385 + | 468 | 1.2643B | 1.1582 |
| DEC18 | 1.1811 | 1.1829B | 1.1698A | 1.1713 ( .85375) - | 95 | ---- | 87 | 62 + | 26 | 1.1880B | 1.1668A |
| TOTAL MICRO EUR/USD F | | | | | | | 14936 | 6447 + | 494 | | |
| MICRO CHF/USD F | | | | | | | | | | | |
| SEP18 | 1.0162 | 1.0179B | 1.0095 | 1.0101 ( .99000) - | 61 | ---- | 16 | 253 + | 2 | 1.0758B | 1.0059A |
| TOTAL MICRO CHF/USD F | | | | | | | 16 | 253 + | 2 | | |
| MICRO CAD/USD F | | | | | | | | | | | |
| SEP18 | 0.7529 | 0.7541 | 0.7481 | 0.7523 (1.32926) - | 8 | ---- | 810 | 1912 - | 25 | .8005B | .7481 |
| DEC18 | 0.7539 | 0.7554B | *0.7494A | 0.7535 (1.32714) - | 9 | ---- | 11 | 46 | UNCH | .7564B | .7494A |
| TOTAL MICRO CAD/USD F | | | | | | | 821 | 1958 - | 25 | | |
| MICRO AUD/USD F | | | | | | | | | | | |
| SEP18 | 0.7394 | 0.7408 | *0.7324 | 0.7354 (1.35980) - | 42 | ---- | 7532 | 2061 - | 15 | .7818 | .7324 |
| DEC18 | 0.7394 | 0.7412B | *0.7329A | 0.7359 (1.35888) - | 42 | ---- | 59 | 14 + | 6 | .7448B | .7329A |
| TOTAL MICRO AUD/USD F | | | | | | | 7591 | 2075 - | 9 | | |

### CURRENCY FUTURES CONTRACTS LAST TRADE DATES

EXPIRATION:

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## FINAL



FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND on CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813.

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RECIPROCAL | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRIT PND FUT | | | | | | | | | | | | |
| JUL18 | 1.3241 | 1.3242 | *1.3119A | 1.3138 | ( .7612) | - 107 | ---- | 770 | 2195 | - 192 | 1.4418B | 1.3119A |
| AUG18 | 1.3218 | 1.3239B | 1.3149A | 1.3156 | ( .7601) | - 107 | ---- | 598 | 819 | - 1 | 1.4436B | 1.3146 |
| SEP18 | 1.3271 | 1.3282 | 1.3154 | 1.3175 | ( .7590) | - 107 | 743 | 130796 | 172603 | + 7533 | 1.4463 | 1.2385A |
| OCT18 | 1.3180 | 1.3180 | *1.3180 | 1.3193 | ( .7580) | - 107 | ---- | 2 | 75 | - 1 | 1.3450B | 1.3180 |
| DEC18 | 1.3265 | 1.3265 | 1.3220 | 1.3231 | ( .7558) | - 107 | ---- | 5 | 979 | + 2 | 1.4494B | 1.2838 |
| MAR19 | ---- | ---- | ---- | 1.3293 | ( .7523) | - 107 | ---- | ---- | 267 | UNCH | 1.4590B | 1.3136A |
| JUN19 | ---- | ---- | ---- | 1.3354 | ( .7488) | - 108 | ---- | ---- | 26 | UNCH | 1.4624B | 1.3347A |
| TOTAL BRIT PND FUT | | | | | | | 743 | 132171 | 176964 | + 7341 | | |
| CANADA DLR FUT | | | | | | | | | | | | |
| JUL18 | 0.7521 | 0.7533 | *0.7479 | 0.7515 | ( 1.3307) | - 8 | ---- | 624 | 270 | + 49 | .7990B | .7479 |
| AUG18 | 0.7508 | 0.7530B | *0.7485A | 0.7519 | ( 1.3300) | - 8 | ---- | 682 | 230 | - 55 | .7985B | .7485A |
| SEP18 | 0.7529 | 0.7542 | 0.7480 | 0.7523 | ( 1.3293) | - 8 | 220 | 102420 | 156434 | + 3355 | .9340B | .7341A |
| OCT18 | ---- | ---- | ---- | 0.7527 | ( 1.3286) | - 8 | ---- | 633 | 32 | + 14 | .7801B | .7593A |
| DEC18 | 0.7533 | 0.7554 | 0.7500 | 0.7535 | ( 1.3271) | - 9 | ---- | 163 | 5033 | + 5 | .8261B | .7500A |
| MAR19 | 0.7554 | 0.7562B | 0.7540A | 0.7550 | ( 1.3245) | - 9 | ---- | 8 | 523 | + 2 | .8250B | .7540A |
| JUN19 | 0.7571 | 0.7571 | *0.7541A | 0.7564 | ( 1.3221) | - 9 | ---- | 5 | 59 | + 2 | .8081B | .7542A |
| SEP19 | ---- | ---- | *0.7548A | 0.7579 | ( 1.3194) | - 8 | ---- | 7 | 24 | UNCH | .8054B | .7549A |
| TOTAL CANADA DLR FUT | | | | | | | 220 | 104542 | 162605 | + 3372 | | |
| EMINI EURFX FUT | | | | | | | | | | | | |
| SEP18 | 1.17180 | 1.17440 | 1.16120 | 1.16280 | ( .8600) | - 95 | ---- | 4335 | 12670 | + 74 | 1.26430B | 1.15820A |
| DEC18 | 1.18080 | 1.18290B | 1.16980A | 1.17135 | ( .8537) | - 95 | ---- | 3 | 18 | + 2 | 1.18800B | 1.16680A |
| TOTAL EMINI EURFX FUT | | | | | | | 0 | 4338 | 12688 | + 76 | | |
| EURO FX FUT | | | | | | | | | | | | |
| JUL18 | 1.16650 | 1.16880 | 1.15590 | 1.15735 | ( .8640) | - 94 | ---- | 2625 | 5749 | + 720 | 1.25720B | 1.15365 |
| AUG18 | 1.16870 | 1.17020B | 1.15850 | 1.15975 | ( .8623) | - 95 | ---- | 944 | 1627 | + 77 | 1.25140B | 1.15620A |
| SEP18 | 1.17170 | 1.17445 | 1.16115 | 1.16280 | ( .8600) | - 95 | 657 | 302196 | 471148 | + 2782 | 1.27400 | 1.09010A |
| OCT18 | 1.17430 | 1.17450 | 1.16650 | 1.16550 | ( .8580) | - 95 | ---- | 292 | 133 | + 99 | 1.19220 | 1.16620 |
| DEC18 | 1.18100 | 1.18290 | 1.16970 | 1.17135 | ( .8537) | - 95 | ---- | 636 | 4572 | - 41 | 1.28355 | 1.09020 |
| MAR19 | 1.19165 | 1.19180B | 1.18095A | 1.18070 | ( .8470) | - 96 | ---- | 25 | 865 | + 9 | 1.29285 | 1.17665 |
| JUN19 | 1.19360 | 1.20025B | 1.18990A | 1.19020 | ( .8402) | - 98 | ---- | 16 | 532 | + 16 | 1.29400B | 1.18705A |
| SEP19 | ---- | ---- | 1.19950A | 1.20000 | ( .8333) | - 98 | ---- | ---- | 383 | UNCH | 1.30750 | 1.19700A |
| DEC19 | ---- | ---- | *1.21790A | 1.20980 | ( .8266) | - 102 | ---- | ---- | 36 | UNCH | 1.30000 | 1.21790A |
| TOTAL EURO FX FUT | | | | | | | 657 | 306734 | 485045 | + 3662 | | |
| EMINI J YEN FUT | | | | | | | | | | | | |
| SEP18 | 0.0091400 | .0091690B | .0091020 | .0091250 | ( 109.5890) | - 8 | ---- | 648 | 463 | + 38 | .009676B | .009052A |
| DEC18 | 0.0092150 | .0092310B | .0091650A | .0091875 | ( 108.8435) | - 8 | ---- | 1 | 4 | + 1 | .009261B | .009145A |
| TOTAL EMINI J YEN FUT | | | | | | | 0 | 649 | 467 | + 39 | | |
| JAPAN YEN FUT | | | | | | | | | | | | |
| JUL18 | 0.0090935 | .0091255 | .0090720A | .0090860 | ( 110.0594) | - 8 | ---- | 542 | 464 | + 22 | .009635 | .009016 |
| AUG18 | 0.0091270 | .0091380B | .0090865 | .0091035 | ( 109.8479) | - 7 | ---- | 854 | 545 | + 75 | .009424B | .009038A |
| SEP18 | 0.0091395 | .0091695 | .0091010 | .0091250 | ( 109.5890) | - 8 | 158 | 171501 | 154336 | + 2593 | .009670B | .008892A |
| OCT18 | ---- | ---- | ---- | .0091455 | ( 109.3434) | - 8 | ---- | 570 | 50 | + 7 | .009261B | .009266A |
| DEC18 | 0.0092000 | .0092280B | .0091685A | .0091875 | ( 108.8435) | - 8 | ---- | 25 | 831 | + 8 | .009723 | .008951A |
| MAR19 | ---- | ---- | ---- | .0092580 | ( 108.0147) | - 9 | ---- | ---- | 42 | UNCH | .009783 | .009013A |
| SEP19 | 0.0094795 | .0094795 | *.0093790 | .0094055 | ( 106.3208) | - 9 | ---- | 2 | 3 | UNCH | .009901B | .009379 |
| TOTAL JAPAN YEN FUT | | | | | | | 158 | 173494 | 156271 | + 2705 | | |
| MEX PESO FUT | | | | | | | | | | | | |
| JUL18 | ---- | ---- | ---- | .04938 | ( 20.25) | - 69 | ---- | ---- | | UNCH | .05020B | .04794 |
| SEP18 | 0.04944 | .04962 | .04878 | .04889 | ( 20.45) | - 68 | 2661 | 66688 | 143394 | - 7018 | .05444B | .04697 |
| DEC18 | 0.04873 | .04888 | .04810A | .04819 | ( 20.75) | - 67 | ---- | 101 | 95 | + 6 | .05312B | .04678A |
| TOTAL MEX PESO FUT | | | | | | | 2661 | 66789 | 143489 | - 7012 | | |
| SWISS FRNC FUT | | | | | | | | | | | | |
| SEP18 | 1.0162 | 1.0180 | 1.0093 | 1.0101 | ( .9900) | - 61 | 264 | 22022 | 94679 | + 1855 | 1.1065B | 1.0055A |
| DEC18 | 1.0246 | 1.0264B | 1.0183A | 1.0186 | ( .9817) | - 62 | ---- | 13 | 96 | UNCH | 1.1064B | 1.0151A |
| MAR19 | ---- | 1.0343B | 1.0287A | 1.0278 | ( .9730) | - 63 | ---- | ---- | 13 | UNCH | 1.1170B | 1.0265A |
| TOTAL SWISS FRNC FUT | | | | | | | 264 | 22035 | 94788 | + 1855 | | |

## EX-PIT & OTHER BREAKDOWN

| | -----DELIVERY----- CASH OR PHYSICAL DAILY | MTH-TO-DATE | EFP DAILY TOTALS | EFP M-T-D TOTALS | EFS DAILY TOTALS | EFR DAILY TOTALS | BLOCKS DAILY TOTALS | BLOCKS M-T-D TOTALS | TAS DAILY TOTALS | TRANSFERS DAILY TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| MEXICAN PESO FUTURE | | | | | | | | | | |
| SEP18 | --- | --- | 2661 | 16178 | --- | --- | --- | 7670 | --- | --- |
| TOTALS: | | | 2661 | 16178 | | | | 7670 | | 0 |
| BRITISH POUND FUTURE | | | | | | | | | | |
| SEP18 | --- | --- | 743 | 5343 | --- | --- | --- | 2202 | --- | 10 |
| TOTALS: | | | 743 | 5343 | | | | 2202 | | 10 |
| EURO FX FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 324 | 6453 | --- | --- | 329 | 58723 | --- | 440 |
| TOTALS: | | | 324 | 6453 | | | 329 | 58723 | | 440 |
| SWISS FRANC FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 264 | 8748 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | 264 | 11748 | | | | | | 0 |
| CANADIAN DOLLAR FUTURE | | | | | | | | | | |
| SEP18 | --- | --- | 220 | 1653 | --- | --- | --- | 138 | --- | --- |
| TOTALS: | | | 220 | 1653 | | | | 138 | | 0 |
| JAPANESE YEN FUTURE | | | | | | | | | | |
| SEP18 | --- | --- | 158 | 12367 | --- | --- | --- | 6731 | --- | --- |
| TOTALS: | | | 158 | 12367 | | | | 6731 | | 0 |
| E-MINI EURO FX FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 68 | --- | --- | --- | --- | --- | 2 |
| TOTALS: | | | | 68 | | | | | | 2 |
| E-MINI JAPANESE YEN FUTURE | | | | | | | | | | |
| SEP18 | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | | 4 | | | | | | 0 |
| KOREAN WON/USD FUTURE | | | | | | | | | | |
| TOTALS: | | | | | | | | 274 | | 0 |
| TURKISH LIRA/USD FUTURE | | | | | | | | | | |
| SEP18 | --- | --- | --- | 1888 | --- | --- | 13 | 4202 | --- | --- |
| TOTALS: | | | | 1888 | | | 13 | 4202 | | 0 |

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# CURRENCY FUTURES



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COMMODITY ABBREVIATION TABLE

| | | | | |
|---|---|---|---|---|
| USDJP = OTC USDJPY SUB | J7 = E-MINI JAPANESE YEN | KRW = KOREAN WON | CN = EC/NOK CROSS RATES | RF = EFX/SF CROSS RATES |
| MICBP = E-MICRO GBP/USD | MP = MEXICAN PESO | CA = EC/AD CROSS RATES | USDCA = OTC USDCAD SUB | JY = JAPANESE YEN |
| UN = NKR/USD CROSS RATE | NE = NEW ZEALND DOLLAR | JYV = JAPANESE YEN VOL | RA = S.AFRICAN RAND | TRY = TURKISH LIRA |
| CC = EC/CD CROSS RATES | OTCCU = OTC CADUSD SUB | INRUP = INDIAN RUPEE | RMB = RMB USD | RP = EFX/BP CROSS RATES |
| E7 = E-MINI EURO FX | RU = RUSSIAN RUBLE | CY = CD/JY CROSS RATES | KE = EC/SEK CROSS RATES | MICEU = E-MICRO EUR/USD |
| AJ = AD/JY CROSS RATES | CHL = CHILEAN PESO | USDCH = OTC USDCHF SUB | EURUS = OTC EURUSD SUB | OTCAU = OTC AUDUSD SUB |
| ECV = EURO FX VOL | GBPUS = OTC GBPUSD SUB | OTCGU = OTC GBPUSD SUB | BF = BP/SF CROSS RATES | BP = BRITISH POUND |
| ECEU = EURO FX (EU) | MICAD = E-MICRO AUD/USD | AC = AD/CD CROSS RATES | MCCDD = MICRO CAD/USD | PZ = POLISH ZLOTY (US) |
| RY = EFX/JY CROSS RATES | MICHF = MICRO CHF/USD | SF = SWISS FRANC | BR = BRAZIL REAL | AD = AUSTRALIAN DOLLAR |
| AN = AD/NE CROSS RATES | AUDUS = OTC AUDUSD SUB | CDV = CANADIAN DOLLAR VOL | BPEU = BRITISH POUND (EU) | MIJPY = MICRO JYP/USD |
| EC = EURO FX | CD = CANADIAN DOLLAR | SE = SKR/USD CROSS RATES | BY = BP/JY CROSS RATES | |

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| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE | & PT. CHGE | RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUST DLR FUT | | | | | | | | | | | | |
| JUL18 | .7395 | .7398B | *.7332A | .7353 | ( 1.3600) - 420 | | ---- | 214 | 1076 - | 25 | .7916B | .7332A |
| AUG18 | .7392 | .7401B | *.7332A | .7354 | ( 1.3598) - 420 | | ---- | 389 | 562 - | 20 | .7808B | .7332A |
| SEP18 | .7392 | .7409 | *.7323 | .7354 | ( 1.3598) - 420 | | 374 | 140322 | 136359 + | 1072 | .8420B | .7323 |
| OCT18 | .7376 | .7378 | *.7376 | .7356 | ( 1.3594) - 420 | | ---- | 311 | 166 - | 37 | .7616B | .7376 |
| DEC18 | .7380 | .7408B | *.7330 | .7359 | ( 1.3589) - 420 | | ---- | 10 | 492 | UNCH | .8097B | .7330 |
| MAR19 | ---- | ---- | ---- | .7367 | ( 1.3574) - 410 | | ---- | ---- | 127 | UNCH | .8093B | .7385 |
| JUN19 | ---- | ---- | *.7404A | .7376 | ( 1.3557) - 420 | | ---- | ---- | 3 | UNCH | .8092 | .7404A |
| SEP19 | ---- | ---- | ---- | .7386 | ( 1.3539) - 430 | | ---- | ---- | | UNCH | .8055B | .7433A |
| TOTAL AUST DLR FUT | | | | | | | 374 | 141246 | 138785 + | 990 | | |
| BRAZIL RL FUT | | | | | | | | | | | | |
| JUL18 | .26255 | .2638 | .2579A | .25835 | ( 3.8707) - 555 | | 2106 | 11788 | 6919 - | 5575 | .3040 | .25145 |
| AUG18 | .2618 | .2630 | .25715A | .25755 | ( 3.8827) - 565 | | 2106 | 9959 | 39783 + | 7383 | .27075B | .2510A |
| SEP18 | .26075 | .26195B | .25635A | .25675 | ( 3.8948) - 555 | | ---- | 213 | 4822 + | 86 | .2759B | .2500 |
| OCT18 | ---- | ---- | ---- | .25625 | ( 3.9024) - 555 | | ---- | ---- | 3 | UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | .2549 | ( 3.9231) - 565 | | ---- | ---- | 3 | UNCH | .4834B | .2541 |
| JAN19 | ---- | ---- | ---- | .25425 | ( 3.9331) - 565 | | ---- | ---- | 50 | UNCH | ---- | .29575A |
| TOTAL BRAZIL RL FUT | | | | | | | 4212 | 21960 | 51580 + | 1894 | | |
| NEW ZEALND FUT | | | | | | | | | | | | |
| SEP18 | .6855 | .6860 | *.6776 | .6797 | ( 1.4712) - 580 | | 551 | 39688 | 48239 + | 3232 | .7392B | .6776 |
| DEC18 | .6862 | .6862 | *.6782A | .6800 | ( 1.4706) - 580 | | ---- | 99 | 93 + | 74 | .7400 | .6782A |
| TOTAL NEW ZEALND FUT | | | | | | | 551 | 39787 | 48332 + | 3306 | | |
| RUS RUBLE FUT | | | | | | | | | | | | |
| SEP18 | .015705 | .015765 | .015645 | .01569 | ( 63.7349) - 35 | | ---- | 2972 | 19822 + | 55 | .01752B | .01514A |
| DEC18 | ---- | .01562B | .01551A | .01555 | ( 64.3087) - 30 | | ---- | ---- | 5 | UNCH | .01706B | .01503A |
| TOTAL RUS RUBLE FUT | | | | | | | 0 | 2972 | 19827 + | 55 | | |
| S AFR RAND FUT | | | | | | | | | | | | |
| SEP18 | .07305 | .073125B | *.07095 | .071225 | ( 14.0400) - 1925 | | ---- | 1873 | 6943 + | 10 | .08413B | .07095 |
| TOTAL S AFR RAND FUT | | | | | | | 0 | 1873 | 6943 + | 10 | | |
| NOK CROSS RT | | | | | | | | | | | | |
| SEP18 | 0.12339 | .12344B | .12235A | .12254 | ( 8.1606) - 970 | | ---- | 197 | 1280 + | 93 | .13033B | .12055A |
| TOTAL NOK CROSS RT | | | | | | | 0 | 197 | 1280 + | 93 | | |
| SEK CROSS RT | | | | | | | | | | | | |
| SEP18 | 0.11325 | .11336B | *.11208A | .11223 | ( 8.9103) - 1070 | | 8 | 181 | 1649 + | 14 | .12322B | .11208A |
| TOTAL SEK CROSS RT | | | | | | | 8 | 181 | 1649 + | 14 | | |
| AD/CD CROSS RT | | | | | | | | | | | | |
| SEP18 | 0.9813 | .9824B | .9764A | .9775 | ( 1.023) - 45 | | | 1 | 2 | UNCH | .9908B | .9594A |
| TOTAL AD/CD CROSS RT | | | | | | | 0 | 1 | 2 | | | |
| AD/JY CROSS RT | | | | | | | | | | | | |
| SEP18 | 80.9200 | 81.190 | 80.320 | 80.590 | ( .0124) - 39 | | 16 | 462 | 1416 + | 68 | 83.990B | 80.040A |
| TOTAL AD/JY CROSS RT | | | | | | | 16 | 462 | 1416 + | 68 | | |
| AD/NE CROSS RT | | | | | | | | | | | | |
| SEP18 | 1.0811 | 1.0857B | 1.080A | 1.0819 | ( .9243) + 30 | | | 11 | 17 - | 3 | 1.0944B | 1.0662A |
| TOTAL AD/NE CROSS RT | | | | | | | 0 | 11 | 17 - | 3 | | |
| BP/JY CROSS RT | | | | | | | | | | | | |
| SEP18 | 145.050 | 145.170B | 144.250A | 144.380 | ( .0069) - 1050 | | 6 | 83 | 376 + | 13 | 152.9700B | 143.0600 |
| TOTAL BP/JY CROSS RT | | | | | | | 6 | 83 | 376 + | 13 | | |
| BP/SF CROSS RT | | | | | | | | | | | | |
| SEP18 | 1.3051 | 1.3054B | 1.3020A | 1.3043 | ( .7667) - 270 | | ---- | 17 | 23 + | 8 | 1.3291B | 1.3017A |
| TOTAL BP/SF CROSS RT | | | | | | | 0 | 17 | 23 + | 8 | | |
| EC/AD CROSS RT | | | | | | | | | | | | |
| SEP18 | 1.5889 | 1.5918B | 1.5793A | 1.5812 | ( .6324) - 380 | | ---- | 81 | 1622 - | 11 | 1.6358B | 1.5394A |
| TOTAL EC/AD CROSS RT | | | | | | | 0 | 81 | 1622 - | 11 | | |
| EC/BP CROSS RT | | | | | | | | | | | | |
| JUL18 | ---- | .88215B | ---- | .8809 | ( 1.1352) - 5 | | ---- | ---- | 2 | UNCH | .88455B | .8658A |
| AUG18 | ---- | .8829B | ---- | .88155 | ( 1.1344) - 5 | | ---- | ---- | 34 | UNCH | .88545B | .8667A |
| SEP18 | .8833 | .88505 | .8820A | .8826 | ( 1.133) UNCH | | 101 | 2678 | 33324 + | 92 | .88675B | .8672A |
| TOTAL EC/BP CROSS RT | | | | | | | 101 | 2678 | 33360 + | 92 | | |
| EC/CD CROSS RT | | | | | | | | | | | | |
| SEP18 | 1.5567 | 1.5606B | 1.5426A | 1.5457 | ( .647) - 1080 | | ---- | 32 | 1697 + | 17 | 1.6278B | 1.5029A |
| TOTAL EC/CD CROSS RT | | | | | | | 0 | 32 | 1697 + | 17 | | |
| EC/JY CROSS RT | | | | | | | | | | | | |
| SEP18 | 128.25 | 128.40B | 127.33A | 127.43 | ( .0078) - 93 | | 390 | 3207 | 27145 + | 435 | 134.9400 | 124.7600 |
| TOTAL EC/JY CROSS RT | | | | | | | 390 | 3207 | 27145 + | 435 | | |
| EC/NOK CROSS RT | | | | | | | | | | | | |
| SEP18 | 9.5175 | 9.5230B | 9.4720A | 9.4890 | ( .1054) - 250 | | ---- | 9 | 248 + | 6 | 9.7390B | 9.4215A |
| TOTAL EC/NOK CROSS RT | | | | | | | 0 | 9 | 248 + | 6 | | |
| EC/SEK CROSS RT | | | | | | | | | | | | |
| SEP18 | 10.3520 | 10.3855B | 10.3260A | 10.3610 | ( .0965) + 1400 | | ---- | 19 | 837 + | 6 | 10.6405B | 10.0960A |
| TOTAL EC/SEK CROSS RT | | | | | | | 0 | 19 | 837 + | 6 | | |
| EC/SF CROSS RT | | | | | | | | | | | | |
| SEP18 | 1.1532 | 1.1544B | 1.1501 | 1.1512 | ( .8687) - 24 | | ---- | 633 | 8339 - | 5 | 1.1968B | 1.1367A |
| DEC18 | ---- | ---- | 1.1506A | 1.150 | ( .8696) - 23 | | ---- | ---- | 1 | UNCH | 1.1530B | 1.1470 |
| TOTAL EC/SF CROSS RT | | | | | | | 0 | 633 | 8340 - | 5 | | |
| CD/JY CROSS RT | | | | | | | | | | | | |
| SEP18 | 82.130 | #82.810B | 82.030A | 82.440 | ( .0121) - 20 | | ---- | 10 | 4 + | 3 | 82.8100B | 81.8400A |
| TOTAL CD/JY CROSS RT | | | | | | | 0 | 10 | 4 + | 3 | | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE | & PT. CHGE | RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHP FUT | | | | | | | | | | | | |
| JUL18 | .0015457 | .0015465B | .0015446A | .0015465 | ( 6.62140) - | .0000125 | ---- | 7 | 100 | UNCH | .00162B | .00153A |
| AUG18 | .0015468 | .0015468 | *.0015446A | .0015465 | ( 6.62140) - | .0000126 | ---- | 7 | 254 + | 7 | .00159B | .00154A |
| TOTAL CHP FUT | | | | | | | 0 | 14 | 354 + | 7 | | |
| CNH FUT | | | | | | | | | | | | |
| JUL18 | 6.6044 | #6.6288B | 6.5826A | 6.6224 | ( .15100) + | .0335 | ---- | 30 | 85 + | 6 | 6.6288B | 6.2686A |
| AUG18 | 6.5968 | #6.6365B | 6.5902A | 6.6310 | ( .15081) + | .0346 | ---- | 74 | 45 + | 30 | 6.6365B | 6.2837A |
| SEP18 | 6.6000 | 6.6471B | 6.5998A | 6.6414 | ( .15057) + | .0363 | ---- | 183 | 477 + | 23 | 6.8368B | 6.2877A |
| DEC18 | ---- | 6.6606B | 6.6247A | 6.6642 | ( .15006) + | .0376 | ---- | ---- | 47 | UNCH | 7.1742B | 6.3105A |
| MAR19 | ---- | 6.6815B | 6.6459A | 6.6852 | ( .14958) + | .0378 | ---- | ---- | 6 | UNCH | 6.8428B | 6.3306A |
| SEP19 | ---- | 6.7263B | ---- | 6.7253 | ( .14869) + | .0369 | ---- | ---- | 1 | UNCH | 7.1300B | 6.3798A |
| TOTAL CNH FUT | | | | | | | 0 | 287 | 661 + | 59 | | |
| INR/USD FUT | | | | | | | | | | | | |
| JUN18 | 146.110 | 146.250B | 145.860A | 145.930 | ( .00685) - | .330 | ---- | 116 | 750 - | 14 | 149.7900B | 145.1800 |
| JUL18 | 145.600 | 145.640B | *144.320A | 144.370 | ( .00693) - | .930 | ---- | 4624 | 1080 + | 493 | 148.7500 | 144.3200A |
| AUG18 | 143.710 | #143.710 | *143.710 | 143.690 | ( .00696) | NEW | ---- | 1 | 1 + | 1 | 143.7100 | 143.7100 |
| TOTAL INR/USD FUT | | | | | | | 0 | 4741 | 1831 + | 480 | | |
| MICRO INR/USD F | | | | | | | | | | | | |
| JUN18 | ---- | ---- | 145.870A | 145.930 | ( .00685) - | .330 | ---- | ---- | 55 | UNCH | 149.8000B | 145.1700A |
| JUL18 | 145.450 | 145.660B | *144.330A | 144.370 | ( .00693) - | .930 | ---- | 323 | 585 + | 148 | 148.7500 | 144.3300A |
| TOTAL MICRO INR/USD F | | | | | | | 0 | 323 | 640 + | 148 | | |

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EX-PIT & OTHER BREAKDOWN

| | -----DELIVERY------ CASH OR PHYSICAL DAILY | MTH-TO-DATE | EFP DAILY TOTALS | EFP M-T-D TOTALS | EFS DAILY TOTALS | EFR DAILY TOTALS | BLOCKS DAILY TOTALS | BLOCKS M-T-D TOTALS | TAS DAILY TOTALS | TRANSFERS DAILY TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| NEW ZEALAND DOLLAR FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 551 | 3940 | --- | --- | --- | 1894 | --- | --- |
| TOTALS: | | | 551 | 3940 | | | | 1894 | | 0 |
| AUSTRALIAN DLR FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 374 | 7842 | --- | --- | --- | 3417 | --- | --- |
| TOTALS: | | | 374 | 7942 | | | | 3497 | | 0 |
| EC/JY CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 150 | 815 | --- | --- | 240 | 11434 | --- | --- |
| TOTALS: | | | 150 | 815 | | | 240 | 11434 | | 0 |
| AD/JY CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 16 | 39 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | 16 | 39 | | | | | | 0 |
| SKR/USD CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 8 | 276 | --- | --- | --- | 464 | --- | --- |
| TOTALS: | | | 8 | 276 | | | | 464 | | 0 |
| BP/JY CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 6 | 112 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | 6 | 112 | | | | | | 0 |
| EC/BP CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 1 | 68 | --- | --- | 100 | 6850 | --- | 9 |
| TOTALS: | | | 1 | 68 | | | 100 | 6850 | | 9 |
| BRAZILIAN REAL FUTURE | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | 2106 | 30510 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | 2106 | 29106 | --- | --- |
| SEP18 | --- | --- | --- | 254 | --- | --- | --- | 124 | --- | --- |
| TOTALS: | | | | 254 | | | 4212 | 59740 | | 0 |
| CHILEAN PESO/US DOLLAR FUTURES | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| TOTALS: | | | | | | | | 200 | | 0 |
| EC/AD CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 111 | --- | --- | --- | 573 | --- | --- |
| TOTALS: | | | | 111 | | | | 573 | | 0 |
| EC/CD CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 96 | --- | --- | --- | 602 | --- | --- |
| TOTALS: | | | | 96 | | | | 602 | | 0 |
| EC/SEK CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 12 |
| TOTALS: | | | | | | | | | | 12 |
| EC/SF X/RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 65 | --- | --- | --- | 1349 | --- | --- |
| TOTALS: | | | | 65 | | | | 1349 | | 0 |
| NKR/USD CROSS RATE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 72 | --- | --- | --- | 375 | --- | --- |
| TOTALS: | | | | 72 | | | | 375 | | 0 |
| RUSSIAN RUBLE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 64 | --- | --- | --- | 5600 | --- | --- |
| TOTALS: | | | | 64 | | | | 5600 | | 0 |
| S. AFRICAN RAND FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 285 | --- | --- | --- | 936 | --- | --- |
| TOTALS: | | | | 285 | | | | 936 | | 0 |
| USD/CNH FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| TOTALS: | | | | | | | | 30 | | 0 |

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## FINAL



FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND ON CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813.

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | IMM INDEX DISCOUNT % | PT.CHGE.## | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO DLR FUT | | | | | | | | | | | |
| JUL18 | 97.6550 | 97.6625 | 97.6525 | 97.6550 | ( 2.34) | + 0.2 | ---- | 49861 | 221129 + 19038 | 97.9150B | 97.5850 |
| AUG18 | 97.6150 | 97.6200 | 97.6100 | 97.6150 | ( 2.38) | + 0.5 | ---- | 20756 | 97694 + 9378 | 97.7450B | 97.5400 |
| | | | | | | | 0 | 70617 | 318823 + 28416 | | |
| SEP18 | 97.5450 | 97.5600 | 97.5450 | 97.5500 | ( 2.45) | + 0.5 | 8806 | 265980 | 1302473 - 32948 | 99.1550 | 93.8350A |
| DEC18 | 97.3550 | 97.3800 | 97.3550 | 97.3700 | ( 2.63) | + 1.5 | 6977 | 242451 | 1822188 + 1075 | 99.1050 | 93.9100A |
| MAR19 | 97.2300 | 97.2600 | 97.2250 | 97.2550 | ( 2.74) | + 2.5 | 1393 | 244502 | 1323631 - 18277 | 99.0650 | 93.9050A |
| JUN19 | 97.1350 | 97.1700 | 97.1300 | 97.1650 | ( 2.83) | + 3.0 | 2828 | 261493 | 1294898 + 12916 | 99.0200 | 93.8800A |
| SEP19 | 97.0700 | 97.1150 | 97.0650 | 97.1100 | ( 2.89) | + 4.0 | 5728 | 249330 | 944862 - 3948 | 98.9750 | 93.8550A |
| DEC19 | 97.0250 | 97.0750 | 97.0200 | 97.0700 | ( 2.93) | + 4.5 | 664 | 268066 | 1826204 - 3123 | 98.9050 | 93.8000A |
| MAR20 | 97.0150 | 97.0650 | 97.0100 | 97.0600 | ( 2.94) | + 4.5 | 1339 | 173145 | 1003065 + 18988 | 98.8600 | 93.8400A |
| JUN20 | 97.0150 | 97.0700 | 97.0100 | 97.0650 | ( 2.93) | + 5.0 | 1669 | 148506 | 856956 + 9581 | 98.8150 | 94.0900A |
| SEP20 | 97.0150 | 97.0750 | 97.0100 | 97.0700 | ( 2.93) | + 5.5 | 13960 | 114914 | 751261 + 8254 | 98.7700 | 94.0450A |
| DEC20 | 97.0100 | 97.0700 | 97.0050 | 97.0650 | ( 2.93) | + 5.5 | 1644 | 108444 | 761015 - 1859 | 98.7150 | 93.9850A |
| MAR21 | 97.0200 | 97.0800 | 97.0150 | 97.0750 | ( 2.92) | + 5.5 | ---- | 76585 | 360709 + 7262 | 98.6700 | 94.2150A |
| JUN21 | 97.0200 | 97.0800 | 97.0150 | 97.0750 | ( 2.92) | + 5.5 | ---- | 78795 | 264816 - 2572 | 98.6200 | 94.4650A |
| SEP21 | 97.0200 | 97.0750 | 97.0100 | 97.0750 | ( 2.92) | + 5.5 | 2894 | 53366 | 224201 + 12058 | 98.5750 | 94.8800A |
| DEC21 | 97.0050 | 97.0700 | 97.0000 | 97.0650 | ( 2.93) | + 5.5 | 50 | 45406 | 312523 + 618 | 98.5200B | 94.8400A |
| MAR22 | 97.0100 | 97.0650 | 97.0000 | 97.0650 | ( 2.93) | + 5.5 | 450 | 30551 | 123507 + 2393 | 98.4800B | 94.8950A |
| JUN22 | 97.0050 | 97.0600 | 96.9950 | 97.0600 | ( 2.94) | + 5.5 | ---- | 28644 | 107505 + 1493 | 98.4350 | 94.7950A |
| SEP22 | 97.0000 | 97.0550 | 96.9900 | 97.0550 | ( 2.94) | + 5.5 | ---- | 23047 | 73817 + 902 | 98.3950B | 94.7750A |
| DEC22 | 96.9800 | 97.0400 | 96.9750 | 97.0350 | ( 2.96) | + 5.5 | ---- | 23582 | 121750 - 202 | 98.3500B | 94.7450A |
| MAR23 | 96.9800 | 97.0350 | 96.9700 | 97.0300 | ( 2.97) | + 5.5 | ---- | 20585 | 58359 + 23 | 98.3200B | 94.7300A |
| JUN23 | 96.9600 | 97.0200 | 96.9550 | 97.0200 | ( 2.98) | + 5.5 | ---- | 20698 | 25635 - 67 | 98.2850B | 94.7550A |
| SEP23 | 96.9650 | 97.0050 | 96.9500A | 97.0050 | ( 2.99) | + 5.0 | ---- | 1222 | 16415 + 203 | 98.2150 | 94.7600 |
| DEC23 | 96.9350 | 96.9850B | 96.9300A | 96.9850 | ( 3.01) | + 5.0 | ---- | 1141 | 9400 + 379 | 98.1600 | 94.7100 |
| MAR24 | 96.9400 | 96.9750 | 96.9200A | 96.9750 | ( 3.02) | + 5.0 | ---- | 830 | 6596 + 516 | 98.1600 | 95.4300 |
| JUN24 | 96.9200 | 96.9600B | 96.8950 | 96.9650 | ( 3.03) | + 5.0 | ---- | 947 | 4709 + 916 | 98.1450 | 95.5400 |
| SEP24 | ---- | 96.9300B | ---- | 96.9500 | ( 3.05) | + 5.0 | ---- | 7 | 2130 UNCH | 98.1100 | 96.0800A |
| DEC24 | 96.9050 | 96.9100 | 96.9050 | 96.9300 | ( 3.07) | + 4.5 | ---- | 15 | 1875 + 15 | 98.1000 | 96.2550A |
| MAR25 | ---- | 96.9050B | ---- | 96.9200 | ( 3.08) | + 4.5 | ---- | ---- | 463 UNCH | 98.0850 | 96.2400 |
| JUN25 | 96.8850 | 96.8850 | 96.8850 | 96.9100 | ( 3.09) | + 5.0 | ---- | 3 | 536 + 3 | 98.1100 | 96.2200A |
| SEP25 | ---- | ---- | ---- | 96.9000 | ( 3.10) | + 5.0 | ---- | ---- | 690 UNCH | 98.0900 | 96.6050 |
| DEC25 | ---- | ---- | ---- | 96.8850 | ( 3.11) | + 5.0 | ---- | ---- | 511 UNCH | 98.0650 | 96.5600 |
| MAR26 | ---- | ---- | ---- | 96.8800 | ( 3.12) | + 5.0 | ---- | ---- | 388 UNCH | 98.0100 | 96.5650 |
| JUN26 | ---- | ---- | ---- | 96.8700 | ( 3.13) | + 5.0 | ---- | ---- | 303 UNCH | 97.9850B | 96.7100 |
| SEP26 | ---- | ---- | ---- | 96.8650 | ( 3.13) | + 5.0 | ---- | ---- | 71 UNCH | 97.9250B | 96.6900 |
| DEC26 | ---- | ---- | ---- | 96.8550 | ( 3.14) | + 5.0 | ---- | ---- | 82 UNCH | 97.3900B | 96.6550 |
| MAR27 | ---- | ---- | ---- | 96.8450 | ( 3.15) | + 5.0 | ---- | ---- | 101 UNCH | 97.3800B | 96.5800 |
| JUN27 | ---- | ---- | ---- | 96.8400 | ( 3.16) | + 5.0 | ---- | ---- | 31 UNCH | 97.3700B | 96.6850A |
| SEP27 | ---- | ---- | ---- | 96.8350 | ( 3.16) | + 5.0 | ---- | ---- | 108 UNCH | 97.2600B | 96.6750A |
| DEC27 | ---- | ---- | ---- | 96.8250 | ( 3.17) | + 5.0 | ---- | ---- | 13 UNCH | 97.2100B | 96.6800A |
| | | | | | | | 48402 | 2482255 | 13603797 + 14599 | | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| 5-YR NOTE FUTURES | | | | | | | | | | |
| JUN18 | 113'305 | 114'010 | 113'252A | 114'012 | + 0'072 | ---- | 2016 | 20340 - 9031 | 115'202B | 112'250 |
| SEP18 | 113'165 | 113'245 | 113'157 | 113'242 | + 0'075 | 65255 | 927286 | 3775045 + 54545 | 114'162 | 112'147 |
| DEC18 | ---- | #113'037B | ---- | 113'047 | + 0'075 | ---- | ---- | 4 UNCH | 113'037B | 111'312 |
| TOTAL 5-YR NOTE FUTURES | | | | | | 65255 | 929302 | 3795389 + 45514 | | |
| 10-YR NOTE FUTURES | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 119'310 | UNCH | ---- | ---- | 5711 UNCH | 124'180B | 118'105 |
| SEP18 | 119'315 | 120'130 | 119'300 | 120'125 | + 0'125 | 37956 | 1860620 | 3496614 + 33488 | 121'035B | 117'300 |
| DEC18 | 120'010 | #120'060B | 119'245A | 120'065 | + 0'135 | ---- | 36 | 123 + 25 | 120'060B | 118'020 |
| TOTAL 10-YR NOTE FUTURES | | | | | | 37956 | 1860656 | 3502448 + 33513 | | |
| 2-YR NOTE FUTURES | | | | | | | | | | |
| JUN18 | 106'025 | 106'040 | 106'022 | 106'040 | + 0'017 | ---- | 1038 | 6205 + 12 | 106'247 | 105'265 |
| SEP18 | 105'287 | 105'312 | 105'285 | 105'312 | + 0'025 | 19861 | 299498 | 1870690 + 24603 | 106'125 | 105'195 |
| TOTAL 2-YR NOTE FUTURES | | | | | | 19861 | 300536 | 1876895 + 24615 | | |
| 30Y BOND FUT | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 144'16 | UNCH | ---- | ---- | 3063 UNCH | 153'14 | 140'05 |
| SEP18 | 144'08 | 145'11 | 144'05 | 145'09 | + 1'01 | 7629 | 339506 | 801210 + 8468 | 150'11B | 139'11 |
| DEC18 | 144'17 | #144'17 | 144'15A | 144'17 | + 1'01 | ---- | 5 | 582 + 5 | 144'17 | 139'08 |
| TOTAL 30Y BOND FUT | | | | | | 7629 | 339511 | 804855 + 8473 | | |
| ULTRA T-BND FUT | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 158'13 | UNCH | ---- | ---- | 2772 UNCH | 166'00B | 152'23 |
| SEP18 | 158'14 | 160'00 | 158'08 | 159'30 | + 1'19 | 5357 | 136002 | 970716 + 9978 | 160'11 | 152'01A |
| DEC18 | ---- | #160'05B | ---- | 160'06 | + 1'20 | ---- | 22 | 54 + 21 | 160'05B | 156'04A |
| TOTAL ULTRA T-BND FUT | | | | | | 5357 | 136024 | 973542 + 9999 | | |
| TN FUT | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 1280'75 | UNCH | ---- | ---- | 2 UNCH | 1331'40B | 1252'40 |
| SEP18 | 1272'80 | 1281'50 | 1272'60 | 1281'45 | + 1'85 | 28556 | 168582 | 545025 + 1564 | 1290'45 | 1243'05A |
| TOTAL TN FUT | | | | | | 28556 | 168582 | 545027 + 1564 | | |

PLEASE NOTE, DUE TO A REPORTING ERROR, YESTERDAYS OPEN INTEREST IN THE USZ7 CONTRACT WAS OVERSTATED BY 103,495. THE ERROR HAS BEEN REMEDIATED AND TODAY'S REPORTED OPEN INTEREST IS CORRECT.

DUE TO THE MINIMUM TICK SIZE INCREASE IN THE 30-YEAR TREASURY BONDS FUTURES, THE CONTRACT HIGHS/LOWS MAY DISPLAY AN INVALID PRICE FORMAT. FOR EXAMPLE, THE SEI

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# INTEREST RATE FUTURES CONTINUED



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## FINAL



FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND ON CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813.

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | IMM INDEX DISCOUNT % PT.CHGE.## RECIPROCAL | VOLUME | TRADES CLEARED | OPEN INTEREST | | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-MTH EURODLR F | | | | | | | | | | | |
| JUL18 | ---- | 97.9000B | ---- | 97.9000 | ( 2.10) + 1.2 | ---- | ---- | 4162 | UNCH | 98.6075B | 97.8500 |
| AUG18 | 97.8825 | 97.8825 | 97.8800 | 97.8800 | ( 2.12) + 0.7 | ---- | 20 | 2960 | + 15 | 98.6200B | 97.8550A |
| SEP18 | ---- | ---- | ---- | 97.7575 | ( 2.24) + 0.5 | ---- | ---- | 146 | UNCH | 98.4200B | 97.7500A |
| OCT18 | ---- | ---- | ---- | 97.7125 | ( 2.28) + 1.5 | ---- | ---- | 60 | UNCH | 98.2575B | 97.6875A |
| JAN19 | ---- | ---- | ---- | 97.5375 | ( 2.46) + 2.5 | ---- | ---- | 20 | UNCH | 97.8025B | 97.5250A |
| FEB19 | ---- | ---- | ---- | 97.5225 | ( 2.47) + 2.5 | ---- | ---- | 80 | UNCH | 97.6775B | 97.5150A |
| MAR19 | ---- | ---- | ---- | 97.4125 | ( 2.58) + 2.5 | ---- | ---- | 41 | UNCH | 97.5800B | 97.4100A |
| TOTAL 1-MTH EURODLR F | | | | | | 0 | 20 | 7469 | + 15 | | |
| 30D FED FD FUT | | | | | | | | | | | |
| JUN18 | 98.1800 | 98.1800 | 98.1775 | 98.1775 | ( 1.82) UNCH | ---- | 1389 | 142842 | - 447 | 99.5550B | 97.9150A |
| JUL18 | 98.0750 | 98.0800 | 98.0700 | 98.0750 | ( 1.92) UNCH | ---- | 17519 | 243717 | - 4136 | 99.5350B | 98.0250A |
| AUG18 | 98.0750 | 98.0750 | 98.0700 | 98.0700 | ( 1.93) - 0.0050 | ---- | 15372 | 281297 | + 1923 | 99.5150B | 98.0300 |
| SEP18 | 98.0450 | 98.0500 | 98.0450 | 98.0450 | ( 1.95) UNCH | ---- | 8662 | 117445 | - 267 | 99.5050B | 98.0050 |
| OCT18 | 97.8900 | 97.9000 | 97.8900 | 97.8950 | ( 2.10) + 0.0050 | ---- | 27046 | 262639 | + 7616 | 99.4850B | 97.8400 |
| NOV18 | 97.8800 | 97.8950 | 97.8800 | 97.8900 | ( 2.11) + 0.0100 | ---- | 20087 | 229618 | - 166 | 99.4800B | 97.8200 |
| DEC18 | 97.8250 | 97.8400 | 97.8250 | 97.8350 | ( 2.16) + 0.0100 | ---- | 9449 | 72768 | + 1364 | 99.4650B | 97.7700 |
| JAN19 | 97.7400 | 97.7600 | 97.7400 | 97.7500 | ( 2.25) + 0.0150 | ---- | 35871 | 212203 | + 11599 | 99.4450B | 97.6900 |
| FEB19 | 97.7150 | 97.7350 | 97.7150 | 97.7300 | ( 2.27) + 0.0200 | ---- | 14811 | 144421 | + 5703 | 99.4350B | 97.6600 |
| MAR19 | 97.6700 | 97.6950B | 97.6700 | 97.6900 | ( 2.31) + 0.0200 | ---- | 2562 | 26985 | + 343 | 99.4200B | 97.6150 |
| APR19 | 97.5950 | 97.6250 | 97.5950 | 97.6200 | ( 2.38) + 0.0250 | ---- | 6648 | 86475 | + 748 | 99.4100B | 97.5350 |
| MAY19 | 97.5600 | 97.5900 | 97.5600 | 97.5850 | ( 2.41) + 0.0250 | ---- | 3386 | 48995 | + 17 | 99.4000B | 97.5000 |
| JUN19 | 97.5300 | 97.5650 | 97.5300 | 97.5550 | ( 2.44) + 0.0250 | ---- | 1691 | 14773 | - 451 | 99.3600B | 97.4600 |
| JUL19 | 97.4800 | 97.5200 | 97.4800 | 97.5100 | ( 2.49) + 0.0300 | ---- | 3674 | 49606 | + 828 | 99.1900B | 97.4000 |
| AUG19 | 97.4550 | 97.4950 | 97.4500 | 97.4900 | ( 2.51) + 0.0350 | ---- | 2788 | 16979 | - 1395 | 99.1900B | 97.3800 |
| SEP19 | 97.4350 | 97.4800 | 97.4350 | 97.4750 | ( 2.52) + 0.0350 | ---- | 1339 | 9793 | + 331 | 99.0500B | 97.3600 |
| OCT19 | 97.4100 | 97.4500 | 97.4050 | 97.4450 | ( 2.55) + 0.0350 | ---- | 2849 | 24631 | + 482 | 99.0100B | 97.3100 |
| NOV19 | 97.4200 | 97.4400 | 97.4000A | 97.4350 | ( 2.56) + 0.0400 | ---- | 266 | 10580 | + 51 | 98.5800B | 97.3000 |
| DEC19 | 97.3850 | 97.4200 | 97.3800A | 97.4150 | ( 2.58) + 0.0400 | ---- | 200 | 7052 | + 44 | 98.5600B | 97.2650A |
| JAN20 | 97.3600 | 97.4100 | 97.3600 | 97.4050 | ( 2.59) + 0.0400 | ---- | 1921 | 46085 | + 526 | 98.5450B | 97.2150A |
| FEB20 | 97.3700 | 97.4050B | 97.3600A | 97.4050 | ( 2.59) + 0.0400 | ---- | 101 | 6205 | + 83 | 98.5300B | 97.2300A |
| MAR20 | ---- | ---- | ---- | 97.4000 | ( 2.60) + 0.0400 | ---- | ---- | 233 | UNCH | 98.5250B | 97.2300A |
| APR20 | ---- | ---- | ---- | 97.3950 | ( 2.60) + 0.0400 | ---- | 17 | 1247 | + 8 | 98.5150B | 97.1900A |
| MAY20 | ---- | ---- | ---- | 97.4000 | ( 2.60) + 0.0400 | ---- | 11 | 369 | UNCH | 98.5150B | 97.2100A |
| JUN20 | ---- | ---- | ---- | 97.3950 | ( 2.60) + 0.0400 | ---- | 11 | 40 | + 11 | 98.5050B | 97.2050A |
| JUL20 | ---- | ---- | ---- | 97.3950 | ( 2.60) + 0.0400 | ---- | ---- | 174 | UNCH | 98.4900B | 97.1850A |
| AUG20 | ---- | ---- | ---- | 97.4000 | ( 2.60) + 0.0400 | ---- | 13 | 245 | - 2 | 98.4900B | 97.2000A |
| SEP20 | ---- | ---- | ---- | 97.3950 | ( 2.60) + 0.0400 | ---- | 13 | 25 | - 10 | 98.1800B | 97.1900A |
| OCT20 | ---- | ---- | ---- | 97.3950 | ( 2.60) + 0.0400 | ---- | ---- | 75 | UNCH | 98.0700B | 97.1800A |
| NOV20 | ---- | ---- | ---- | 97.3950 | ( 2.60) + 0.0400 | ---- | ---- | 109 | UNCH | 97.9900 | 97.1800A |
| DEC20 | ---- | ---- | ---- | 97.3800 | ( 2.62) + 0.0400 | ---- | ---- | 467 | UNCH | 97.8750B | 97.1650A |
| JAN21 | ---- | ---- | ---- | 97.3750 | ( 2.62) + 0.0400 | ---- | ---- | 51 | UNCH | 97.6500B | 97.1250 |
| FEB21 | ---- | ---- | ---- | 97.3800 | ( 2.62) + 0.0400 | ---- | ---- | 8 | UNCH | 97.5900B | 97.1600A |
| MAR21 | ---- | ---- | ---- | 97.3700 | ( 2.63) + 0.0450 | ---- | ---- | 23 | UNCH | 97.5750B | 97.1450A |
| APR21 | ---- | ---- | ---- | 97.3650 | ( 2.63) + 0.0450 | ---- | ---- | 24 | UNCH | 97.5650B | 97.1350A |
| MAY21 | ---- | ---- | ---- | 97.3650 | ( 2.63) + 0.0450 | ---- | ---- | 1 | UNCH | 97.2500 | 97.2500 |
| TOTAL 30D FED FD FUT | | | | | | 0 | 177696 | 2058200 | + 24803 | | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | IMM INDEX DISCOUNT % PT.CHGE.## | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SR1 FUT | | | | | | | | | | | |
| JUN18 | 98.165 | #98.165 | 98.1625 | 98.1625 | ( 1.83) UNCH | ---- | 232 | 2697 | + 41 | 98.165 | 98.105 |
| JUL18 | 98.075 | 98.080 | 98.070 | 98.075 | ( 1.92) UNCH | ---- | 298 | 1680 | + 142 | 98.085 | 98.005 |
| AUG18 | 98.075 | #98.080 | 98.075 | 98.075 | ( 1.92) UNCH | ---- | 193 | 1607 | + 106 | 98.080 | 97.995A |
| SEP18 | 98.050 | 98.055 | 98.050 | 98.045 | ( 1.95) UNCH | ---- | 129 | 1149 | + 76 | 98.055 | 97.970A |
| OCT18 | 97.900 | 97.910 | 97.900 | 97.900 | ( 2.10) + 0.0100 | ---- | 189 | 455 | + 90 | 97.930 | 97.815 |
| NOV18 | 97.875 | 97.890 | 97.875 | 97.885 | ( 2.11) + 0.0100 | ---- | 54 | 80 | UNCH | 97.945 | 97.800A |
| TOTAL SR1 FUT | | | | | | 0 | 1095 | 7668 | + 455 | | |
| SR3 FUT | | | | | | | | | | | |
| JUN18 | ---- | ---- | 98.075A | 98.075 | ( 1.92) - 0.0050 | ---- | ---- | 1863 | UNCH | 98.075 | 97.9925A |
| SEP18 | 97.915 | 97.930 | 97.915 | 97.900 | ( 2.10) + 0.0050 | ---- | 101 | 377 | - 29 | 97.970B | 97.805 |
| DEC18 | 97.740 | 97.765 | 97.740 | 97.740 | ( 2.26) + 0.0200 | ---- | 208 | 317 | - 66 | 97.870 | 97.625 |
| MAR19 | 97.600 | 97.635 | 97.600 | 97.610 | ( 2.39) + 0.0300 | ---- | 137 | 639 | - 5 | 97.790B | 97.255A |
| JUN19 | 97.505 | 97.550 | 97.505 | 97.515 | ( 2.48) + 0.0350 | ---- | 492 | 1467 | - 18 | 97.705 | 97.355 |
| SEP19 | ---- | #97.440B | ---- | 97.455 | ( 2.54) + 0.0450 | ---- | 145 | 154 | + 4 | 97.440B | 97.360 |
| DEC19 | ---- | 97.375B | ---- | 97.405 | ( 2.59) + 0.0450 | ---- | ---- | 150 | UNCH | 97.405 | 97.320A |
| MAR20 | ---- | ---- | ---- | 97.380 | ( 2.62) + 0.0450 | ---- | ---- | 150 | UNCH | 97.375 | 97.375 |
| TOTAL SR3 FUT | | | | | | 0 | 1083 | 5117 | - 114 | | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N1U FUT | | | | | | | | | | | |
| SEP18 | 95'270 | #96'025 | 95'205A | 96'015 | 0+'135 | ---- | 1766 | 30799 | - 729 | 96'025 | 94'160A |
| TOTAL N1U FUT | | | | | | 0 | 1766 | 30799 | - 729 | | |
| F1U FUT | | | | | | | | | | | |
| SEP18 | 96'272 | #97'007 | 96'260A | 97'000 | 0+'060 | ---- | 1986 | 15960 | - 878 | 97'007 | 96'070A |
| TOTAL F1U FUT | | | | | | 0 | 1986 | 15960 | - 878 | | |

INTEREST RATE FUTURES CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3YR NOTE | 06/29 | | | 09/28 | | | 12/31 | | | 03/29 | | | |
| EUROYEN | 07/22 | | | 07/22 | | | 07/22 | | | 07/22 | | | 07/22 |
| 30D FED FD | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 |
| 5YR NOTE | 06/29 | | | 09/28 | | | 12/31 | | | 03/29 | | | |
| 2YR NOTE | 06/29 | | | 09/28 | | | 12/31 | | | 03/29 | | | |
| 10YR NOTE | 06/20 | | | 09/19 | | | 12/19 | | | 03/20 | | | |
| 30YR BOND | 06/20 | | | 09/19 | | | 12/19 | | | 03/20 | | | |

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO DLR FUT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 02/18 | 03/18 | | | 06/17 |
| MINI ED FUT | 12/08 | | | 12/08 | | | 12/08 | | | 12/08 | | | 12/08 |
| LIBOR | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 02/18 | 03/18 | 04/15 | 05/13 | 06/17 |

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# INTEREST RATE FUTURES CONTINUED



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



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## EX-PIT & OTHER BREAKDOWN

| | -----DELIVERY------ CASH OR PHYSICAL DAILY | MTH-TO-DATE | EFP DAILY TOTALS | EFP M-T-D TOTALS | EFS DAILY TOTALS | EFR DAILY TOTALS | BLOCKS DAILY TOTALS | BLOCKS M-T-D TOTALS | TAS DAILY TOTALS | TRANSFERS DAILY TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| 5-YR NOTE FUTURES | | | | | | | | | | |
| JUN18 | 7916 | 11243 | --- | 35997 | --- | --- | --- | --- | --- | --- |
| SEP18 | --- | --- | 15277 | 196702 | --- | 19430 | 19477 | 66968 | --- | 27287 |
| TOTALS: | 7916 | 11243 | 15277 | 232699 | | 19430 | 19477 | 66968 | | 27287 |
| ULTRA 10-YEAR U S TREASURY NOTE FUT | | | | | | | | | | |
| JUN18 | --- | 3133 | --- | 2212 | --- | --- | --- | --- | --- | --- |
| SEP18 | --- | --- | 13139 | 60063 | --- | 478 | 14939 | 41144 | --- | 287 |
| TOTALS: | | 3133 | 13139 | 62275 | | 478 | 14939 | 41144 | | 287 |
| 10-YR NOTE FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 6251 | 345532 | --- | 20675 | 3400 | 93517 | --- | 50140 |
| TOTALS: | | | 6251 | 355066 | | 20675 | 3400 | 93517 | | 50140 |
| 2-YR NOTE FUTURES | | | | | | | | | | |
| JUN18 | --- | 7549 | --- | 749 | --- | --- | --- | --- | --- | --- |
| SEP18 | --- | --- | 4274 | 105894 | --- | 15587 | --- | --- | --- | 13164 |
| TOTALS: | | 7549 | 4274 | 106643 | | 15587 | | | | 13164 |
| ULTRA T-BOND FUTURES | | | | | | | | | | |
| JUN18 | --- | 9226 | --- | 4210 | --- | --- | --- | --- | --- | --- |
| SEP18 | --- | --- | 2861 | 187245 | --- | 2496 | --- | 3186 | --- | 2327 |
| TOTALS: | | 9226 | 2861 | 191455 | | 2496 | | 3186 | | 2327 |
| 30-YR BOND FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 2099 | 55173 | --- | 4905 | --- | 3232 | --- | 2604 |
| TOTALS: | | | 2099 | 63302 | | 4905 | | 3232 | | 2604 |
| EURODOLLAR FUTURES | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | 2016 | --- | 17858 |
| AUG18 | --- | --- | --- | 8000 | --- | --- | --- | 1008 | --- | 14163 |
| SEP18 | --- | --- | --- | --- | --- | --- | 1289 | 8589 | --- | 47390 |
| DEC18 | --- | --- | --- | --- | --- | --- | 1289 | 37397 | --- | 36994 |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | 4100 | --- | 36728 |
| JUN19 | --- | --- | --- | 5160 | --- | --- | 2578 | 7778 | --- | 31430 |
| SEP19 | --- | --- | --- | 10740 | --- | --- | 3778 | 50874 | --- | 14865 |
| DEC19 | --- | --- | --- | 10840 | --- | --- | --- | 108130 | --- | 18501 |
| MAR20 | --- | --- | --- | 11350 | --- | --- | 1289 | 16289 | --- | 16511 |
| JUN20 | --- | --- | --- | --- | --- | --- | 1289 | 22737 | --- | 11607 |
| SEP20 | --- | --- | --- | 9900 | --- | --- | 10900 | 48500 | --- | 5044 |
| DEC20 | --- | --- | --- | --- | --- | --- | --- | 33912 | --- | 13808 |
| MAR21 | --- | --- | --- | --- | --- | --- | --- | 12000 | --- | 3212 |
| JUN21 | --- | --- | --- | --- | --- | --- | --- | 1000 | --- | 18126 |
| SEP21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17446 |
| DEC21 | --- | --- | --- | --- | --- | --- | --- | 20000 | --- | 9493 |
| MAR22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4661 |
| JUN22 | --- | --- | --- | --- | --- | --- | --- | 2800 | --- | 3712 |
| SEP22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1235 |
| DEC22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2111 |
| MAR23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1509 |
| JUN23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 626 |
| SEP23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 500 |
| DEC23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 868 |
| MAR24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 759 |
| JUN24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 956 |
| TOTALS: | | | | 55990 | | | 22412 | 377130 | | 330113 |
| 5 YEAR USD INTEREST RATE SWAP | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | 4399 | --- | 2804 |
| TOTALS: | | | | | | | | 4399 | | 2804 |
| FED FUND FUTURES | | | | | | | | | | |
| JUN18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 187 |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 294 |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | 4820 | --- | 2442 |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 455 |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7025 |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | 6200 | --- | 4210 |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1475 |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | 34504 | --- | 268 |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1819 |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 158 |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4312 |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1749 |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1204 |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2955 |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1131 |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | 1000 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | 1000 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 517 |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22 |
| TOTALS: | | | | | | | | 47524 | | 30375 |
| 10 YEAR USD INTEREST RATE SWAP | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | 5438 | --- | --- |
| TOTALS: | | | | | | | | 5438 | | 0 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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**FINAL**



FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND ON CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813.

| | PIT OPEN RANGE | PIT HIGH | PIT LOW | PIT CLOSING RANGE | SETT. & PT. | PRICE CHGE | VOLUME TRADES | CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMINI S&P FUT | | | | | | | | | | | | |
| SEP18 | 2726.50 | 2748.00 | 2701.00 | ---- | 2704.90 | - 2360 | 18856 | 2098830 | 2629776 | + 3688 | 2889.00 | 2417.25A |
| DEC18 | 2730.25 | 2751.25 | 2704.50 | ---- | 2708.10 | - 2390 | ---- | 4147 | 48920 | + 1372 | 2894.75 | 2489.00A |
| MAR19 | 2731.75 | 2756.25B | 2712.00A | ---- | 2713.90 | - 2390 | ---- | 2358 | 12538 | + 2157 | 2890.50B | 2562.00A |
| JUN19 | 2740.00 | 2748.00B | 2734.00A | ---- | 2720.20 | - 2390 | ---- | 1001 | 4002 | + 1001 | 2805.00 | 2628.50A |
| TOTAL EMINI S&P FUT | | | | | | | 18856 | 2106336 | 2695236 | + 8218 | | |
| S&P 500 FUT | | | | | | | | | | | | |
| SEP18 | 2732.30 @2731.50 | 2747.80 | 2703.00 | 2704.30A | 2704.90 | - 2360 | 2362 | 135 | 55482 | + 997 | 2881.40B | 2076.00A |
| DEC18 | ---- | 2750.00B | 2708.00A | 2708.00A | 2708.10 | - 2390 | ---- | ---- | 300 | UNCH | 2886.80B | 1781.70A |
| TOTAL S&P 500 FUT | | | | | | | 2362 | 135 | 55782 | + 997 | | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. & PT. | PRICE CHGE | VOLUME TRADES | CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E-400 MIDCAP F | | | | | | | | | | | |
| SEP18 | 1968.90 | 1980.00 | 1945.60 | 1946.30 | - 2240 | ---- | 17179 | 86608 | - 103 | 2017.90 | 1694.70A |
| TOTAL E-400 MIDCAP F | | | | | | 0 | 17179 | 86608 | - 103 | | |
| S&P GROWTH FUT | | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 1615.60 | - 1910 | ---- | ---- | 13 | UNCH | ---- | ---- |
| TOTAL S&P GROWTH FUT | | | | | | 0 | 0 | 13 | | | |
| S&P VALUE FUT | | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 1077.00 | - 420 | ---- | ---- | 14 | UNCH | ---- | ---- |
| TOTAL S&P VALUE FUT | | | | | | 0 | 0 | 14 | | | |
| EMINI NAS BIO F | | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 3397.30 | - 7260 | ---- | ---- | 960 | UNCH | ---- | ---- |
| TOTAL EMINI NAS BIO F | | | | | | 0 | 0 | 960 | | | |
| EMINI NASD FUT | | | | | | | | | | | |
| SEP18 | 7098.25 | 7151.50 | 6988.00 | 6998.25 | - 10575 | 1000 | 545252 | 233717 | + 74 | 7358.50 | 5696.75A |
| DEC18 | 7120.00 | 7177.25 | 7013.75 | 7023.25 | - 10575 | ---- | 493 | 1814 | - 17 | 7385.50B | 5917.25A |
| MAR19 | 7125.25 | 7190.25B | 7073.00A | 7051.75 | - 10575 | ---- | 5 | 19 | + 3 | 7398.25B | 6394.25A |
| JUN19 | ---- | ---- | ---- | 7079.50 | - 10625 | ---- | ---- | 1 | UNCH | 7316.00B | 6517.50A |
| TOTAL EMINI NASD FUT | | | | | | 1000 | 545750 | 235551 | + 60 | | |
| MINI $5 DOW FUT | | | | | | | | | | | |
| SEP18 | 24279.00 | 24564.00 | 24079.00 | 24135.00 | - 168.00 | ---- | 311825 | 88372 | + 2129 | 26731.00B | 22190.00A |
| DEC18 | 24303.00 | 24564.00B | 24099.00A | 24144.00 | - 169.00 | ---- | 498 | 519 | - 11 | 26607.00B | 23369.00A |
| MAR19 | ---- | 24556.00B | 24143.00A | 24175.00 | - 170.00 | ---- | ---- | 22 | UNCH | 25275.00 | 23664.00A |
| TOTAL MINI $5 DOW FUT | | | | | | 0 | 312323 | 88913 | + 2118 | | |
| US REAL EST F | | | | | | | | | | | |
| SEP18 | 317.8 | #318.9 | 315.5 | 316.1 | - 1.1 | 1800 | 1113 | 25533 | - 1670 | 318.9 | 307.6A |
| TOTAL US REAL EST F | | | | | | 1800 | 1113 | 25533 | - 1670 | | |
| NIKKEI ($) FUT | | | | | | | | | | | |
| SEP18 | 22310.00 | 22440.00 | 22125.00 | 22165.00 | - 170 | ---- | 11740 | 29507 | - 158 | 23040.00B | 20180.00 |
| DEC18 | ---- | 22300.00B | 22095.00A | 22035.00 | - 170 | ---- | ---- | 2 | UNCH | 22870.00B | 22055.00 |
| TOTAL NIKKEI ($) FUT | | | | | | 0 | 11740 | 29509 | - 158 | | |
| NIKKEI (YEN) F | | | | | | | | | | | |
| SEP18 | 22275.00 | 22405.00 | 22090.00 | 22130.00 | - 175 | ---- | 46669 | 51816 | - 1335 | 22985.00B | 20095.00A |
| DEC18 | ---- | 22225.00B | 21955.00A | 21970.00 | - 175 | ---- | ---- | 2 | UNCH | 22775.00B | 21840.00A |
| TOTAL NIKKEI (YEN) F | | | | | | 0 | 46669 | 51818 | - 1335 | | |

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**FINAL**



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| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | VOLUME TRADES CLEARED | | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| RTY FUT | | | | | | | | | | |
| SEP18 | 1673.20 | 1675.80 | 1643.40 | 1644.40 - 3020 | 500 | 161908 | 549389 - 567 | | 1720.80 | 1488.20A |
| DEC18 | 1677.00 | 1679.80B | *1649.50A | 1649.60 - 3060 | ---- | 3 | 20 UNCH | | 1723.80B | 1649.50A |
| TOTAL RTY FUT | | | | | 500 | 161911 | 549409 - 567 | | | |
| S&P DISCRNY F | | | | | | | | | | |
| SEP18 | 1113.50 | 1118.30B | *1095.50A | 1095.70 - 1440 | ---- | 608 | 6692 + 36 | | 1140.00 | 1095.50A |
| TOTAL S&P DISCRNY F | | | | | 0 | 608 | 6692 + 36 | | | |
| S&P ENRGY F | | | | | | | | | | |
| SEP18 | 759.00 | 771.90 | 759.00 | 762.90 + 1050 | 4577 | 657 | 28260 + 6535 | | 778.90B | 738.10 |
| TOTAL S&P ENRGY F | | | | | 4577 | 657 | 28260 + 6535 | | | |
| S&P FIN F | | | | | | | | | | |
| SEP18 | 329.35 | 331.25 | *324.80 | 325.15 - 400 | ---- | 560 | 28900 + 45 | | 347.55 | 324.80 |
| TOTAL S&P FIN F | | | | | 0 | 560 | 28900 + 45 | | | |
| S&P HEALTH F | | | | | | | | | | |
| SEP18 | 843.00 | 847.90 | 836.10A | 836.90 - 690 | ---- | 766 | 5550 + 133 | | 860.90 | 834.80A |
| TOTAL S&P HEALTH F | | | | | 0 | 766 | 5550 + 133 | | | |
| S&P INDUS F | | | | | | | | | | |
| SEP18 | 725.20 | 732.10 | 715.70A | 716.00 - 520 | ---- | 540 | 3396 - 33 | | 768.40B | 714.40A |
| TOTAL S&P INDUS F | | | | | 0 | 540 | 3396 - 33 | | | |
| S&P MATERL F | | | | | | | | | | |
| SEP18 | 615.20 | 621.70B | 610.30A | 610.60 - 170 | 60 | 143 | 4823 - 55 | | 645.80B | 605.10 |
| TOTAL S&P MATERL F | | | | | 60 | 143 | 4823 - 55 | | | |
| S&P STAPLES F | | | | | | | | | | |
| SEP18 | 517.30 | #523.10B | 516.50 | 518.40 - 120 | ---- | 82 | 7536 + 9 | | 523.10B | 495.80A |
| TOTAL S&P STAPLES F | | | | | 0 | 82 | 7536 + 9 | | | |
| S&P TECH F | | | | | | | | | | |
| SEP18 | 704.40 | 706.40B | *691.60A | 691.90 - 910 | ---- | 463 | 11722 + 28 | | 727.60B | 691.60A |
| TOTAL S&P TECH F | | | | | 0 | 463 | 11722 + 28 | | | |
| S&P UTILITY F | | | | | | | | | | |
| SEP18 | 519.80 | #524.70 | 518.70 | 523.80 + 370 | 950 | 2019 | 26452 + 1051 | | 524.70 | 483.30 |
| TOTAL S&P UTILITY F | | | | | 950 | 2019 | 26452 + 1051 | | | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| BTC FUT | | | | | | | | | | |
| JUN18 | 6210.00 | 6210.00 | 5975.00 | 6160.00 + UNCH | ---- | 3229 | 725 - 304 | | 20040.00 | 5960.00 |
| JUL18 | 6190.00 | 6205.00B | *5970.00A | 6135.00 - 30.00 | ---- | 875 | 1542 + 315 | | 9880.00B | 5970.00A |
| AUG18 | 6105.00 | 6175.00B | *5990.00A | 6140.00 - 30.00 | ---- | 8 | 30 UNCH | | 7785.00B | 5990.00A |
| SEP18 | 6150.00 | 6200.00B | *6000.00 | 6150.00 - 25.00 | ---- | 71 | 382 - 19 | | 9915.00B | 6000.00 |
| TOTAL BTC FUT | | | | | 0 | 4183 | 2679 - 8 | | | |
| EI FUT | | | | | | | | | | |
| SEP18 | ---- | ---- | *502.40A | 503.70 - 10.40 | ---- | ---- | 5 UNCH | | 547.50B | 502.40A |
| TOTAL EI FUT | | | | | 0 | 0 | 5 | | | |
| ENY FUT | | | | | | | | | | |
| SEP18 | 22330.00 | 22390.00B | 22110.00A | 22130.00 - 75.00 | ---- | 2 | 6 - 1 | | 22940.00B | 22010.00A |
| TOTAL ENY FUT | | | | | 0 | 2 | 6 - 1 | | | |
| FT1 FUT | | | | | | | | | | |
| SEP18 | 7494.00 | 7574.00B | 7448.00A | 7512.50 + 10.50 | ---- | 160 | 5 UNCH | | 7728.00B | 7423.00A |
| TOTAL FT1 FUT | | | | | 0 | 160 | 5 | | | |
| FT5 FUT | | | | | | | | | | |
| SEP18 | 19325.00 | 19405.00B | *18775.00A | 18815.00 - 55.00 | ---- | 101 | 155 + 3 | | 21140.00B | 18775.00A |
| TOTAL FT5 FUT | | | | | 0 | 101 | 155 + 3 | | | |
| FTU FUT | | | | | | | | | | |
| SEP18 | 1069.80 | 1082.20B | *1067.90A | 1084.60 + 3.10 | ---- | 130 | 1 UNCH | | 1121.10B | 1067.90A |
| TOTAL FTU FUT | | | | | 0 | 130 | 1 | | | |
| IBV FUT | | | | | | | | | | |
| AUG18 | 72225.0 | 72385.0 | 70520.0A | 70970.0 - 1065.0 | ---- | 10 | 306 UNCH | | 74280.0B | 69660.0A |
| TOTAL IBV FUT | | | | | 0 | 10 | 306 | | | |
| RS1 FUT | | | | | | | | | | |
| SEP18 | 1513.90 | 1527.30B | *1500.90 | 1501.30 - 13.60 | 150 | 839 | 10367 + 104 | | 1555.60 | 1500.90 |
| TOTAL RS1 FUT | | | | | 150 | 839 | 10367 + 104 | | | |
| RSG FUT | | | | | | | | | | |
| SEP18 | 1454.70 | 1460.50B | *1430.70A | 1432.20 - 16.50 | 1864 | 306 | 4186 - 1856 | | 1489.80B | 1430.70A |
| TOTAL RSG FUT | | | | | 1864 | 306 | 4186 - 1856 | | | |
| RSV FUT | | | | | | | | | | |
| SEP18 | 1190.90 | 1198.20B | 1181.60 | 1182.20 - 6.80 | ---- | 692 | 6207 - 169 | | 1220.00 | 1181.30A |
| TOTAL RSV FUT | | | | | 0 | 692 | 6207 - 169 | | | |
| SDA FUT | | | | | | | | | | |
| DEC18 | 53.800 | 53.950 | 53.800 | 53.850 + 0.100 | ---- | 640 | 51008 - 90 | | 54.550 | 44.000A |
| DEC19 | 56.500 | 56.550 | 56.450 | 56.400 + UNCH | ---- | 190 | 24070 + 120 | | 57.900 | 43.950A |
| DEC20 | 59.150 | 59.200B | 59.100A | 59.000 - 0.150 | ---- | 50 | 20336 + 30 | | 61.350 | 43.900A |
| DEC21 | ---- | 61.700B | 61.450A | 61.350 - 0.200 | ---- | ---- | 7012 UNCH | | 64.150B | 44.150A |
| DEC22 | ---- | 63.550B | 63.300A | 63.200 - 0.250 | ---- | ---- | 4595 UNCH | | 66.250 | 56.400A |
| DEC23 | ---- | 65.250B | 64.900A | 64.750 - 0.350 | ---- | ---- | 1345 UNCH | | 68.050B | 57.800A |
| DEC24 | ---- | 67.000B | 66.850A | 66.700 - 0.250 | ---- | ---- | 2175 UNCH | | 69.700B | 59.800A |
| DEC25 | ---- | 68.750B | 68.600A | 68.450 - 0.250 | ---- | ---- | 640 UNCH | | 71.150B | 60.650A |
| DEC26 | ---- | 70.750B | 70.500A | 70.350 - 0.300 | ---- | ---- | 985 UNCH | | 72.800B | 62.150A |
| DEC27 | ---- | 72.800B | 72.500A | 72.350 - 0.350 | ---- | ---- | 818 UNCH | | 74.400B | 63.900A |
| DEC28 | ---- | 74.950B | 74.600A | 74.450 - 0.350 | ---- | ---- | 40 UNCH | | 76.550B | 71.500A |
| TOTAL SDA FUT | | | | | 0 | 880 | 113024 + 60 | | | |
| SDI FUT | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 13.600 + UNCH | ---- | ---- | 140 UNCH | | 13.700 | 13.190A |
| DEC18 | ---- | ---- | ---- | 13.900 + UNCH | ---- | ---- | 100 UNCH | | 14.100B | 13.800 |
| MAR19 | ---- | ---- | ---- | 13.800 + UNCH | ---- | ---- | 80 UNCH | | 13.900 | 13.700 |
| JUN19 | ---- | ---- | ---- | 14.500 + UNCH | ---- | ---- | 60 UNCH | | 14.400B | 13.300A |
| TOTAL SDI FUT | | | | | 0 | 0 | 380 | | | |
| TPY FUT | | | | | | | | | | |
| SEP18 | 1722.50 | 1738.50B | 1718.00A | 1718.00 - 10.00 | ---- | 70 | 151 + 41 | | 1800.00B | 1703.00A |
| TOTAL TPY FUT | | | | | 0 | 70 | 151 + 41 | | | |
| TRI FUT | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 5347.00 - 47.00 | ---- | ---- | 10100 UNCH | | ---- | ---- |
| DEC18 | ---- | ---- | ---- | 5385.50 - 47.00 | ---- | ---- | 29203 UNCH | | ---- | ---- |
| MAR19 | ---- | ---- | ---- | 5420.50 - 47.00 | ---- | ---- | 46100 UNCH | | ---- | ---- |
| JUN19 | ---- | ---- | ---- | 5463.50 - 47.00 | ---- | ---- | 12950 UNCH | | ---- | ---- |
| TOTAL TRI FUT | | | | | 0 | 0 | 98353 | | | |
| XAR FUT | | | | | | | | | | |
| SEP18 | 156.55 | #157.25B | 155.85 | 155.85 - 0.50 | ---- | 137 | 6034 + 20 | | 157.25B | 150.75A |
| TOTAL XAR FUT | | | | | 0 | 137 | 6034 + 20 | | | |

EX-PIT & OTHER BREAKDOWN

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| | -----DELIVERY------ CASH OR PHYSICAL DAILY | MTH-TO-DATE | EFP DAILY TOTALS | EFP M-T-D TOTALS | EFS DAILY TOTALS | EFR DAILY TOTALS | BLOCKS DAILY TOTALS | BLOCKS M-T-D TOTALS | TAS DAILY TOTALS | TRANSFERS DAILY TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| E-MINI S&P 500 FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 13385 | 36466 | --- | 4507 | 964 | 53468 | --- | 5730 |
| TOTALS: | | | 13385 | 36466 | | 4507 | 964 | 53468 | | 5730 |
| S&P 500 FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 1800 | 14791 | --- | --- | --- | 3 | --- | 736 |
| TOTALS: | | | 1800 | 14791 | | | | 3 | | 736 |
| E-MINI NASDAQ 100 FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 1000 | 23441 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | 1000 | 23441 | | | | | | 0 |
| SP 500 UTILITIES SECTOR INDEX | | | | | | | | | | |
| SEP18 | --- | --- | 950 | 2595 | --- | --- | --- | 24113 | --- | --- |
| TOTALS: | | | 950 | 2595 | | | | 24113 | | 0 |
| EMINI RUSSELL 2000 INDEX FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 500 | 11710 | --- | --- | --- | 52185 | --- | 216 |
| TOTALS: | | | 500 | 11710 | | | | 52185 | | 216 |
| EMINI RUSSELL 1000 INDEX FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | 150 | 450 | --- | --- | --- | 9847 | --- | --- |
| TOTALS: | | | 150 | 450 | | | | 9847 | | 0 |
| SP 500 MATERIALS SECTOR INDEX | | | | | | | | | | |
| SEP18 | --- | --- | 60 | 130 | --- | --- | --- | 3024 | --- | --- |
| TOTALS: | | | 60 | 130 | | | | 3024 | | 0 |
| BITCOIN FUTURES | | | | | | | | | | |
| JUN18 | --- | --- | --- | --- | --- | --- | --- | 22 | --- | --- |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | 22 | --- | --- |
| TOTALS: | | | | | | | | 44 | | 0 |
| BLOOMBERG COMMODITY INDEXSM FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | 2717 | --- | --- |
| TOTALS: | | | | | | | | 2717 | | 0 |
| BLOOMBERG ROLL SELECT COMMODITY IND | | | | | | | | | | |
| TOTALS: | | | | | | | | 2951 | | 0 |
| DJ US REAL ESTATE INDEX FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 1140 | --- | --- | 1800 | 27200 | --- | --- |
| TOTALS: | | | | 1140 | | | 1800 | 27200 | | 0 |
| E-MINI NASDAQ BIOTECH FUTURES | | | | | | | | | | |
| TOTALS: | | | | | | | | 960 | | 0 |
| EMINI RUSSELL 1000 GROWTH FUT | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | 1864 | 7686 | --- | --- |
| TOTALS: | | | | | | | 1864 | 7686 | | 0 |
| EMINI RUSSELL 1000 VALUE | | | | | | | | | | |
| SEP18 | --- | --- | --- | 800 | --- | --- | --- | 2420 | --- | --- |
| TOTALS: | | | | 800 | | | | 2420 | | 0 |
| E-MINI S&P 400 MIDCAP FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 1101 | --- | --- | --- | 8281 | --- | --- |
| TOTALS: | | | | 1101 | | | | 8281 | | 0 |
| GSCI EXCESS RETURN FUTURES | | | | | | | | | | |
| TOTALS: | | | | 99 | | | | 55216 | | 0 |
| MINI $5 DOW FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | 3800 | --- | --- | --- | --- | --- | --- |
| TOTALS: | | | | 3800 | | | | | | 0 |
| NIKKEI 225 ($) STOCK FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | 120 | --- | --- |
| TOTALS: | | | | | | | | 120 | | 0 |
| REAL ESTATE SELECT SECTOR FUTURES | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | 5727 | --- | --- |
| TOTALS: | | | | | | | | 5727 | | 0 |
| S&P 500 ANNUAL DIVIDEND INDEX FUT | | | | | | | | | | |
| DEC18 | --- | --- | --- | 5 | --- | --- | --- | 2800 | --- | --- |
| DEC19 | --- | --- | --- | 5 | --- | --- | --- | 5080 | --- | --- |
| DEC20 | --- | --- | --- | 5 | --- | --- | --- | 200 | --- | --- |
| TOTALS: | | | | 50 | | | | 8480 | | 0 |
| S&P 500 TOTAL RETURN INDEX FUTURES | | | | | | | | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TOTALS: | | | | | | | | 20863 | | 0 |
| SP 500 CONS DISCRETIONARY SECTOR IX | | | | | | | | | | |
| SEP18 | --- | --- | --- | 155 | --- | --- | --- | 4487 | --- | --- |
| TOTALS: | | | | 155 | | | | 4487 | | 0 |
| SP 500 CONSUMER STAPLES SECTOR IX | | | | | | | | | | |
| SEP18 | --- | --- | --- | 1350 | --- | --- | --- | 4604 | --- | --- |
| TOTALS: | | | | 1350 | | | | 4604 | | 0 |
| SP 500 ENERGY SECTOR INDEX | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | 4577 | 23462 | --- | --- |
| TOTALS: | | | | | | | 4577 | 23462 | | 0 |
| SP 500 FINANCIAL SECTOR INDEX | | | | | | | | | | |
| SEP18 | --- | --- | --- | 1365 | --- | --- | --- | 26431 | --- | --- |
| TOTALS: | | | | 1365 | | | | 26431 | | 0 |
| SP 500 HEALTH CARE SECTOR INDEX | | | | | | | | | | |
| SEP18 | --- | --- | --- | 330 | --- | --- | --- | 2539 | --- | --- |
| TOTALS: | | | | 330 | | | | 2539 | | 0 |
| SP 500 INDUSTRIAL SECTOR INDEX | | | | | | | | | | |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | 634 | --- | --- |
| TOTALS: | | | | | | | | 634 | | 0 |
| SP 500 TECHNOLOGY SECTOR INDEX | | | | | | | | | | |
| SEP18 | --- | --- | --- | 150 | --- | --- | --- | 6470 | --- | --- |
| TOTALS: | | | | 150 | | | | 6470 | | 0 |
| USD-DENOMINATED IBOVESPA INDEX | | | | | | | | | | |
| TOTALS: | | | | | | | | 90 | | 0 |

EQUITY & INDEX FUTURES CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|
| NASDAQ BIO-TECH | 06/15 | | | 09/21 | | | 12/21 | | 03/15 | 06/21 |
| EMINI S&P FUT | 06/15 | | | 09/21 | | | 12/21 | | 03/15 | 06/21 |
| GSCI ER FUT | 06/15 | 07/17 | 08/15 | 09/18 | 10/15 | 11/15 | 12/17 | | | |
| GSCI FUT | 06/15 | 07/17 | 08/15 | 09/18 | 10/15 | 11/15 | | | | |
| US REAL EST F | 06/15 | | | 09/21 | | | 12/21 | | 03/15 | 06/21 |
| EMINI MIDCP FUT | 06/15 | | | 09/21 | | | 12/21 | | 03/15 | 06/21 |
| NIKKEI(YEN) FUT | 06/07 | 07/12 | 08/09 | 09/13 | 10/11 | 11/08 | 12/13 | 01/10 | 03/07 | 06/13 |
| NIKKEI 225 FUT | 06/07 | | | 09/13 | | | 12/13 | | 03/07 | 06/13 |
| EMINI NASD FUT | 06/15 | | | 09/21 | | | 12/21 | | 03/15 | 06/21 |
| E-NASDAQ COMP F | 06/15 | | | 09/21 | | | 12/21 | | | |
| S&P GROWTH FUT | 06/14 | | | 09/20 | | | 12/20 | | | |
| E-600 SMLCAP F | 06/15 | | | 09/21 | | | 12/21 | | 03/15 | 06/21 |
| S&P 500 FUT | 06/14 | | | 09/20 | | | 12/20 | | 03/14 | 06/20 |
| S&P VALUE FUT | 06/14 | | | 09/20 | | | 12/20 | | | |
| MINI $5 DOW FUT | 06/15 | | | 09/21 | | | 12/21 | | 03/15 | 06/21 |

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# LIVE CATTLE CALL OPTIONS



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INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = LIVE CATTLE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### LIVE CATTLE CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | OCT18 | DEC18 | FEB19 | APR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|
| LV CATTLE FUT | 06/29 | | 08/31 | 10/31 | 12/31 | 02/28 | 04/30 | 06/28 |
| LV CATTLE OPT | 06/01 | 07/06 | 08/03 | 10/05 | 12/07 | 02/01 | 04/05 | 06/07 |
| LV CATL 2M CSO | 06/01 | | 08/03 | 10/05 | 12/07 | | | |
| LV CATL 4M CSO | 06/01 | | 08/03 | 10/05 | | | | |
| LV CATL 6M CSO | 06/01 | | 08/03 | | | | | |

### LIVE CATTLE OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | OCT18 | DEC18 | FEB19 | APR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|
| C0A | -70-105 | | -110-45 | -120-30 | -100-35 | | | |
| C0B | -110-77 | | -155-2 | -145-2 | | | | |
| C0C | -155-20 | | -177--25 | | | | | |
| LC | --- | | --- | --- | --- | --- | --- | --- |
| OK | 480-1820 | 500-1580 | 500-1760 | 520-1760 | 540-1760 | 540-1800 | 560-1800 | 540-1680 |

### LIVE CATTLE FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV CATTLE FUT | | | | | | | | | | | | |
| JUN18 | 105.95 | 107.17 | 105.95 | 107.02 | + 110 | ---- | 1315 | 1086 | - 887 | 1552 | 1060 | 120.25 |
| AUG18 | 102.50 | 102.95 | 101.65 | 102.72 | + 30 | 20 | 19921 | 138895 | - 2812 | 23363 | 167143 | 115.62 |
| OCT18 | 105.97 | 106.35 | 105.12 | 106.15 | + 25 | ---- | 11348 | 84495 | + 1861 | 11054 | 109895 | 113.65 |
| DEC18 | 110.60 | 110.87 | 109.85 | 110.72 | + 12 | ---- | 5661 | 53866 | - 90 | 6344 | 59493 | 114.00 |
| FEB19 | 114.00 | 114.22 | 113.35 | 114.12 | + 2 | ---- | 2201 | 22485 | - 73 | 2601 | 26961 | 114.57 |
| APR19 | 115.25 | 115.37 | 114.67 | 115.30 | - 5 | ---- | 1022 | 13813 | + 257 | 1552 | 11769 | 113.02 |
| JUN19 | 108.10 | 108.22 | 107.42 | 108.00 | - 10 | ---- | 453 | 8219 | - 57 | 345 | 5764 | 106.42 |
| AUG19 | 107.15 | 107.15 | 106.42 | 107.07 | - 2 | ---- | 217 | 2694 | + 151 | 49 | 1002 | 105.00 |
| OCT19 | 108.40 | 108.50B | 107.90 | 108.40 | - 32 | ---- | 23 | 205 | + 21 | ---- | ---- | 107.60 |
| TOTAL LV CATTLE FUT | | | | | | 20 | 42161 | 325758 | - 1629 | 46860 | 383087 | |

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# LIVE CATTLE CALL OPTIONS



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## LIVE CATTLE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LV CATTLE CALL | | | | | | | | | | | |
| JUL18 LV CATTLE CALL | | (FUTURES SETT. .00) | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | 12.72 + 30 | .999 | ---- | ---- | 1 UNCH | 17.47B | 8.95A |
| 1000 | ---- | ---- | ---- | ---- | 3.22 + 12 | .785 | ---- | ---- | 1064 UNCH | 7.65B | 2.42A |
| 1010 | ---- | ---- | ---- | ---- | 2.45 + 7 | .700 | ---- | 5 | 115 UNCH | 6.75B | 1.95A |
| 1020 | ---- | ---- | ---- | ---- | 1.80 + 5 | .592 | ---- | 159 | 334 + 68 | 5.92B | 1.35A |
| 1030 | ---- | ---- | ---- | ---- | 1.25 + 2 | .473 | ---- | 78 | 176 - 2 | 5.02B | .90A |
| 1040 | ---- | ---- | ---- | ---- | .82 UNCH | .353 | ---- | 32 | 401 - 9 | 4.30B | .57A |
| 1050 | ---- | ---- | ---- | ---- | .50 - 2 | .242 | ---- | 233 | 484 + 134 | 3.60B | .35 |
| 1060 | ---- | ---- | ---- | ---- | .30 - 2 | .157 | ---- | 14 | 391 - 4 | 3.00 | .20A |
| 1070 | ---- | ---- | ---- | ---- | .17 - 2 | .097 | ---- | 1 | 588 UNCH | 2.45B | .12 |
| 1080 | ---- | ---- | ---- | ---- | .10 - 2 | .057 | ---- | 14 | 679 - 14 | 2.05B | .07 |
| 1090 | ---- | ---- | ---- | ---- | .07 UNCH | .041 | ---- | 10 | 491 - 10 | 1.72B | .05A |
| 1100 | ---- | ---- | ---- | ---- | .05 UNCH | .026 | ---- | ---- | 585 UNCH | 1.42B | .02 |
| 1110 | ---- | ---- | ---- | ---- | .02 UNCH | .013 | ---- | 1 | 507 UNCH | 1.12B | .02 |
| 1120 | ---- | ---- | ---- | ---- | .02 UNCH | .006 | ---- | ---- | 327 UNCH | .90B | .05A |
| 1130 | ---- | ---- | ---- | ---- | CAB ---- | .003 | ---- | ---- | 199 UNCH | .70B | .02A |
| 1140 | ---- | ---- | ---- | ---- | CAB ---- | .001 | ---- | ---- | 34 UNCH | .55B | .02A |
| 1150 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 95 UNCH | .45B | .05 |
| 1160 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 54 UNCH | .30B | .02 |
| 1170 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 16 UNCH | .17 | .02 |
| 1180 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 96 UNCH | .15 | .02 |
| 1190 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 12 UNCH | .07B | .02 |
| 1200 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 79 UNCH | .07 | .02 |
| 1220 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 10 UNCH | .02 | .02 |
| 1230 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 1 UNCH | ---- | ---- |
| TOTAL | | | | | | | | 547 | 6739 + 163 | | |
| AUG18 LV CATTLE CALL | | (FUTURES SETT. 102.725 + 30.0 ) | | | | | | | | | |
| 830 | ---- | ---- | ---- | ---- | 19.72 + 30 | .997 | ---- | ---- | 5 UNCH | 24.75B | 15.50A |
| 860 | ---- | ---- | ---- | ---- | 16.75 + 30 | .991 | ---- | ---- | 3 UNCH | 30.60B | 12.82A |
| 870 | ---- | ---- | ---- | ---- | 15.75 + 27 | .984 | ---- | ---- | 1 UNCH | 27.60B | 12.00A |
| 900 | ---- | ---- | ---- | ---- | 12.85 + 27 | .958 | ---- | ---- | 68 UNCH | 26.77B | 9.40A |
| 920 | ---- | ---- | ---- | ---- | 10.95 + 25 | .932 | ---- | ---- | 1 UNCH | 24.90B | 7.82A |
| 930 | ---- | ---- | ---- | ---- | 10.05 + 27 | .914 | ---- | ---- | 2 UNCH | 21.85B | 7.12A |
| 950 | ---- | ---- | ---- | ---- | 8.27 + 25 | .862 | ---- | ---- | 1 UNCH | 20.00B | 5.80A |
| 960 | ---- | ---- | ---- | ---- | 7.45 + 25 | .831 | ---- | ---- | 20 UNCH | 21.25B | 5.15A |
| 970 | ---- | ---- | ---- | ---- | 6.62 + 22 | .794 | ---- | ---- | 6 UNCH | 18.17B | 4.60A |
| 980 | ---- | ---- | ---- | ---- | 5.87 + 22 | .754 | ---- | ---- | 94 UNCH | 19.50B | 4.05A |
| 990 | ---- | ---- | ---- | ---- | 5.15 + 20 | .709 | ---- | ---- | 36 UNCH | 16.42B | 3.55A |
| 1000 | ---- | ---- | ---- | ---- | 4.45 + 17 | .660 | ---- | ---- | 1761 UNCH | 17.80B | 3.05A |
| 1010 | ---- | ---- | ---- | ---- | 3.82 + 15 | .609 | ---- | ---- | 136 UNCH | 14.95B | 2.65A |
| 1020 | ---- | ---- | ---- | ---- | 3.25 + 12 | .554 | ---- | 121 | 593 + 75 | 16.25B | 2.25 |
| 1030 | ---- | ---- | ---- | ---- | 2.72 + 10 | .498 | ---- | 5 | 423 + 4 | 13.30B | 1.95A |
| 1040 | ---- | ---- | ---- | ---- | 2.25 + 7 | .441 | ---- | 6 | 1074 UNCH | 14.60B | 1.62A |
| 1050 | ---- | ---- | ---- | ---- | 1.82 + 7 | .384 | ---- | 63 | 1721 + 15 | 11.70B | 1.40A |
| 1060 | ---- | ---- | ---- | ---- | 1.47 + 7 | .331 | ---- | 77 | 1930 - 28 | 13.02B | 1.15A |
| 1070 | ---- | ---- | ---- | ---- | 1.17 + 7 | .280 | ---- | 125 | 791 - 26 | 10.25B | .92 |
| 1080 | ---- | ---- | ---- | ---- | .90 + 5 | .231 | ---- | 122 | 2894 + 3 | 11.52B | .70A |
| 1090 | ---- | ---- | ---- | ---- | .70 + 5 | .189 | ---- | 6 | 1383 + 4 | 8.80B | .55A |
| 1100 | ---- | ---- | ---- | ---- | .52 + 2 | .151 | ---- | 228 | 5421 - 49 | 10.85 | .40 |
| 1110 | ---- | ---- | ---- | ---- | .40 + 2 | .120 | ---- | 33 | 830 - 21 | 7.50B | .30 |
| 1120 | ---- | ---- | ---- | ---- | .30 + 2 | .094 | ---- | 29 | 2351 - 15 | 9.70 | .25 |
| 1130 | ---- | ---- | ---- | ---- | .22 + 2 | .073 | ---- | ---- | 649 UNCH | 6.37B | .20 |
| 1140 | ---- | ---- | ---- | ---- | .17 + 2 | .058 | ---- | 58 | 2975 - 35 | 8.32 | .12 |
| 1150 | ---- | ---- | ---- | ---- | .12 + 2 | .043 | ---- | 4 | 963 UNCH | 5.37B | .10 |
| 1160 | ---- | ---- | ---- | ---- | .10 + 2 | .035 | ---- | 13 | 1860 - 2 | 6.82B | .10 |
| 1170 | ---- | ---- | ---- | ---- | .07 + 2 | .027 | ---- | ---- | 253 UNCH | 4.22B | .05 |
| 1180 | ---- | ---- | ---- | ---- | .05 UNCH | .018 | ---- | 15 | 1033 - 15 | 6.10 | .05 |
| 1190 | ---- | ---- | ---- | ---- | .02 UNCH | .010 | ---- | ---- | 472 UNCH | 3.25B | .05 |
| 1200 | ---- | ---- | ---- | ---- | .02 UNCH | .007 | ---- | 10 | 1389 - 10 | 5.25 | .05 |
| 1210 | ---- | ---- | ---- | ---- | .02 UNCH | .005 | ---- | ---- | 97 UNCH | 2.40B | .05 |
| 1220 | ---- | ---- | ---- | ---- | .02 UNCH | .003 | ---- | ---- | 798 UNCH | 4.25 | .05 |
| 1230 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | ---- | 36 UNCH | 1.70B | .07 |
| 1240 | ---- | ---- | ---- | ---- | CAB ---- | .001 | ---- | ---- | 538 UNCH | 3.27B | .05 |
| 1250 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 98 UNCH | 1.22B | .02 |
| 1260 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 396 UNCH | 2.40B | .05 |
| 1270 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 53 UNCH | .85B | .07A |
| 1280 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 117 UNCH | 1.97 | .05 |
| 1290 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 5 UNCH | .60 | .02 |
| 1300 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 175 UNCH | 1.25B | .02 |
| 1310 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 15 UNCH | .40 | .05A |
| 1320 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 82 UNCH | 1.17 | .07 |
| 1340 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 15 UNCH | .35B | .15 |
| 1360 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 20 UNCH | .45B | .02 |
| 1370 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 6 UNCH | .02B | .02 |
| 1380 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 42 UNCH | .40 | .02 |
| 1390 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 5 UNCH | .02B | .02 |
| 1400 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 38 UNCH | .22B | .07 |
| 1420 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 3 UNCH | .30 | .05 |
| 1440 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 2 UNCH | .12B | .02 |
| 1500 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 6 UNCH | .02 | .02 |
| 1700 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 70 UNCH | ---- | ---- |
| TOTAL | | | | | | | | 915 | 33756 - 100 | | |
| OCT18 LV CATTLE CALL | | (FUTURES SETT. 106.150 + 25.0 ) | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | 16.45 + 22 | .936 | ---- | ---- | 153 UNCH | 25.97B | 12.75A |
| 1020 | ---- | ---- | ---- | ---- | 6.80 + 17 | .666 | ---- | ---- | 116 UNCH | 16.27B | 4.57A |
| 1030 | ---- | ---- | ---- | ---- | 6.17 + 17 | .632 | ---- | ---- | 109 UNCH | 9.35B | 4.10A |
| 1040 | ---- | ---- | ---- | ---- | 5.57 + 15 | .597 | ---- | ---- | 647 UNCH | 14.70B | 3.67A |
| 1050 | ---- | ---- | ---- | ---- | 5.02 + 15 | .562 | ---- | ---- | 211 UNCH | 8.02B | 3.25A |
| 1060 | ---- | ---- | ---- | ---- | 4.50 + 15 | .526 | ---- | 30 | 671 + 20 | 13.17B | 2.90A |
| 1070 | ---- | ---- | ---- | ---- | 4.02 + 15 | .490 | ---- | 11 | 553 + 11 | 6.80B | 2.57A |
| 1080 | ---- | ---- | ---- | ---- | 3.57 + 15 | .454 | ---- | 30 | 1327 + 20 | 11.75B | 2.25A |
| 1090 | ---- | ---- | ---- | ---- | 3.15 + 12 | .418 | ---- | 10 | 194 + 10 | 5.67B | 2.00A |
| 1100 | ---- | ---- | ---- | ---- | 2.75 + 10 | .382 | ---- | 428 | 2862 + 321 | 10.65B | 1.70 |
| 1110 | ---- | ---- | ---- | ---- | 2.37 + 7 | .346 | ---- | 22 | 416 + 10 | 4.65B | 1.50A |
| 1120 | ---- | ---- | ---- | ---- | 2.05 + 5 | .313 | ---- | 51 | 2421 - 1 | 9.37B | 1.30A |
| 1130 | ---- | ---- | ---- | ---- | 1.75 + 2 | .280 | ---- | 9 | 201 + 9 | 3.82B | 1.12A |
| 1140 | ---- | ---- | ---- | ---- | 1.50 + 2 | .249 | ---- | 326 | 1829 - 92 | 8.17B | .97A |
| 1150 | ---- | ---- | ---- | ---- | 1.30 + 5 | .223 | ---- | ---- | 527 UNCH | 3.05B | .82A |
| 1160 | ---- | ---- | ---- | ---- | 1.10 + 5 | .196 | ---- | 55 | 2485 - 21 | 7.10B | .72A |
| 1170 | ---- | ---- | ---- | ---- | .92 + 5 | .171 | ---- | ---- | 120 UNCH | 2.35B | .62A |
| 1180 | ---- | ---- | ---- | ---- | .77 + 5 | .149 | ---- | 2 | 1559 - 2 | 6.40 | .52A |
| 1190 | ---- | ---- | ---- | ---- | .65 + 5 | .129 | ---- | ---- | 59 UNCH | 1.77B | .47 |
| 1200 | ---- | ---- | ---- | ---- | .55 + 5 | .112 | ---- | 1 | 906 UNCH | 5.40 | .40 |
| 1210 | ---- | ---- | ---- | ---- | .45 + 5 | .095 | ---- | ---- | 47 UNCH | 1.30B | .35A |
| 1220 | ---- | ---- | ---- | ---- | .37 + 5 | .081 | ---- | 16 | 1169 UNCH | 4.67B | .30 |
| 1230 | ---- | ---- | ---- | ---- | .32 + 5 | .071 | ---- | ---- | 18 UNCH | .92B | .27A |
| 1240 | ---- | ---- | ---- | ---- | .27 + 5 | .061 | ---- | ---- | 690 UNCH | 3.82 | .20 |
| 1250 | ---- | ---- | ---- | ---- | .22 + 5 | .052 | ---- | ---- | 12 UNCH | .67B | .20A |
| 1260 | ---- | ---- | ---- | ---- | .20 + 5 | .046 | ---- | ---- | 187 UNCH | 2.77B | .17A |
| 1270 | ---- | ---- | ---- | ---- | .17 + 5 | .040 | ---- | ---- | 5 UNCH | .47B | .15A |
| 1280 | ---- | ---- | ---- | ---- | .15 + 5 | .035 | ---- | ---- | 173 UNCH | 2.15B | .12A |
| 1300 | ---- | ---- | ---- | ---- | .10 + 2 | .024 | ---- | ---- | 169 UNCH | 1.65B | .10A |
| 1320 | ---- | ---- | ---- | ---- | .07 + 2 | .018 | ---- | ---- | 26 UNCH | 1.22B | .07A |
| 1330 | ---- | ---- | ---- | ---- | .05 + 2 | .013 | ---- | ---- | 1 UNCH | .15B | .10 |
| 1340 | ---- | ---- | ---- | ---- | .05 + 2 | .013 | ---- | ---- | 15 UNCH | 1.00 | .07A |
| 1350 | ---- | ---- | ---- | ---- | .02 UNCH | .007 | ---- | ---- | 2 UNCH | .10B | .05 |
| 1360 | ---- | ---- | ---- | ---- | .02 UNCH | .005 | ---- | ---- | 6 UNCH | .40 | .05A |
| 1380 | ---- | ---- | ---- | ---- | .02 + 2 | .003 | ---- | ---- | 1 UNCH | .40B | .22A |
| 1400 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | ---- | 1 UNCH | .27B | .07 |

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# LIVE CATTLE CALL OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (FUTURES SETT. | 106.150 + | 25.0 ) | | | | | | | | | | | |
| 1420 | ---- | ---- | ---- | ---- | | CAB | ---- | .001 | ---- | ---- | 11 | | UNCH | .20B | .02 |
| TOTAL | | | | | | | | | | 991 | 19899 | + | 285 | | |
| DEC18 | | (FUTURES SETT. | 110.725 + | 12.5 ) | | | | | | | | | | | |
| 980 | ---- | ---- | ---- | ---- | | 13.62 + | 12 | .862 | ---- | ---- | 5 | | UNCH | 19.82B | 11.12A |
| 1000 | ---- | ---- | ---- | ---- | | 11.97 + | 10 | .822 | ---- | ---- | 1 | | UNCH | 18.05B | 9.67A |
| 1040 | ---- | ---- | ---- | ---- | | 9.00 + | 7 | .725 | ---- | ---- | 7 | | UNCH | 15.70B | 7.02A |
| 1050 | ---- | ---- | ---- | ---- | | 8.32 + | 7 | .697 | ---- | ---- | 1 | | UNCH | 9.75B | 6.97A |
| 1060 | ---- | ---- | ---- | ---- | | 7.67 + | 5 | .668 | ---- | 1 | 23 | + | 1 | 14.07B | 5.95 |
| 1080 | ---- | ---- | ---- | ---- | | 6.47 + | 7 | .608 | ---- | ---- | 131 | | UNCH | 12.52B | 5.00A |
| 1100 | ---- | ---- | ---- | ---- | | 5.40 + | 12 | .545 | ---- | 35 | 332 | + | 32 | 11.05B | 3.97A |
| 1110 | ---- | ---- | ---- | ---- | | 4.90 + | 12 | .513 | ---- | 5 | 108 | + | 5 | 5.95B | 3.90A |
| 1120 | ---- | ---- | ---- | ---- | | 4.42 + | 12 | .482 | ---- | 41 | 707 | + | 13 | 9.67B | 3.25A |
| 1130 | ---- | ---- | ---- | ---- | | 3.97 + | 12 | .450 | ---- | ---- | 27 | | UNCH | 4.90B | 3.12A |
| 1140 | ---- | ---- | ---- | ---- | | 3.55 + | 10 | .418 | ---- | 104 | 709 | + | 28 | 8.50 | 2.52 |
| 1150 | ---- | ---- | ---- | ---- | | 3.15 + | 7 | .387 | ---- | ---- | 470 | | UNCH | 4.10 | 2.47A |
| 1160 | ---- | ---- | ---- | ---- | | 2.80 + | 10 | .356 | ---- | 8 | 1135 | - | 2 | 7.17B | 2.00 |
| 1170 | ---- | ---- | ---- | ---- | | 2.47 + | 10 | .327 | ---- | ---- | 18 | | UNCH | 3.20B | 1.95A |
| 1180 | ---- | ---- | ---- | ---- | | 2.17 + | 10 | .298 | ---- | 2 | 925 | | UNCH | 6.90 | 1.57 |
| 1190 | ---- | ---- | ---- | ---- | | 1.90 + | 10 | .270 | ---- | 6 | 39 | | UNCH | 2.52B | 1.50A |
| 1200 | ---- | ---- | ---- | ---- | | 1.65 + | 7 | .244 | ---- | 6 | 2101 | - | 4 | 5.17B | 1.20 |
| 1210 | ---- | ---- | ---- | ---- | | 1.45 + | 10 | .220 | ---- | ---- | 3 | | UNCH | 1.95B | 1.15A |
| 1220 | ---- | ---- | ---- | ---- | | 1.25 + | 10 | .197 | ---- | 60 | 1434 | + | 37 | 4.15B | .95 |
| 1230 | ---- | ---- | ---- | ---- | | 1.07 + | 7 | .175 | ---- | ---- | 99 | | UNCH | 1.47B | .85A |
| 1240 | ---- | ---- | ---- | ---- | | .92 + | 7 | .155 | ---- | ---- | 549 | | UNCH | 3.55 | .70 |
| 1250 | ---- | ---- | ---- | ---- | | .80 + | 7 | .138 | ---- | ---- | 44 | | UNCH | 1.10B | .62A |
| 1260 | ---- | ---- | ---- | ---- | | .67 + | 5 | .121 | ---- | 32 | 838 | - | 21 | 3.05 | .50 |
| 1280 | ---- | ---- | ---- | ---- | | .50 + | 5 | .094 | ---- | ---- | 704 | | UNCH | 2.05 | .40 |
| 1290 | ---- | ---- | ---- | ---- | | .42 + | 5 | .082 | ---- | ---- | 22 | | UNCH | .62B | .35A |
| 1300 | ---- | ---- | ---- | ---- | | .37 + | 5 | .073 | ---- | ---- | 676 | | UNCH | 1.40 | .27 |
| 1320 | ---- | ---- | ---- | ---- | | .27 + | 5 | .055 | ---- | ---- | 195 | | UNCH | .90 | .22 |
| 1340 | ---- | ---- | ---- | ---- | | .22 + | 5 | .046 | ---- | ---- | 7 | | UNCH | .57 | .20A |
| 1360 | ---- | ---- | ---- | ---- | | .17 + | 5 | .036 | ---- | ---- | 8 | | UNCH | .55 | .15A |
| 1440 | ---- | ---- | ---- | ---- | | .05 + | 2 | .011 | ---- | ---- | 1 | | UNCH | .05B | ---- |
| TOTAL | | | | | | | | | | 300 | 11319 | + | 89 | | |
| FEB19 | | (FUTURES SETT. | 114.125 + | 2.5 ) | | | | | | | | | | | |
| 1080 | ---- | ---- | ---- | ---- | | 8.87 - | 2 | .698 | ---- | ---- | 1 | | UNCH | 9.60B | 7.10A |
| 1100 | ---- | ---- | ---- | ---- | | 7.60 | UNCH | .643 | ---- | ---- | 22 | | UNCH | 8.67B | 5.95 |
| 1120 | ---- | ---- | ---- | ---- | | 6.47 + | 5 | .586 | ---- | ---- | 152 | | UNCH | 7.65 | 4.85 |
| 1140 | ---- | ---- | ---- | ---- | | 5.42 + | 5 | .527 | ---- | ---- | 491 | | UNCH | 6.95B | 3.95 |
| 1160 | ---- | ---- | ---- | ---- | | 4.47 + | 5 | .467 | ---- | ---- | 294 | | UNCH | 6.95B | 3.27A |
| 1180 | ---- | ---- | ---- | ---- | | 3.65 + | 2 | .408 | ---- | 2 | 295 | - | 2 | 6.55B | 2.70A |
| 1200 | ---- | ---- | ---- | ---- | | 2.92 | UNCH | .351 | ---- | 1 | 201 | + | 1 | 5.52B | 1.97 |
| 1220 | ---- | ---- | ---- | ---- | | 2.30 - | 2 | .297 | ---- | ---- | 292 | | UNCH | 4.55B | 1.50 |
| 1240 | ---- | ---- | ---- | ---- | | 1.80 - | 2 | .247 | ---- | ---- | 472 | | UNCH | 3.72B | 1.17A |
| 1260 | ---- | ---- | ---- | ---- | | 1.40 - | 2 | .204 | ---- | 7 | 518 | + | 5 | 2.92B | .85 |
| 1280 | ---- | ---- | ---- | ---- | | 1.07 - | 2 | .165 | ---- | ---- | 282 | | UNCH | 2.22B | .70A |
| 1300 | ---- | ---- | ---- | ---- | | .82 | UNCH | .133 | ---- | 11 | 558 | + | 7 | 1.62B | .50 |
| 1320 | ---- | ---- | ---- | ---- | | .62 | UNCH | .106 | ---- | ---- | 50 | | UNCH | 1.12B | .57 |
| 1340 | ---- | ---- | ---- | ---- | | .47 | UNCH | .084 | ---- | ---- | 31 | | UNCH | .97 | .45 |
| 1360 | ---- | ---- | ---- | ---- | | .35 | UNCH | .064 | ---- | ---- | 45 | | UNCH | .52 | .42A |
| 1380 | ---- | ---- | ---- | ---- | | .27 + | 2 | .052 | ---- | ---- | 57 | | UNCH | .52 | .20 |
| 1400 | ---- | ---- | ---- | ---- | | .20 | UNCH | .039 | ---- | ---- | 79 | | UNCH | .40 | .20 |
| 1420 | ---- | ---- | ---- | ---- | | .15 | UNCH | .030 | ---- | ---- | 40 | | UNCH | .17 | .17 |
| 1440 | ---- | ---- | ---- | ---- | | .10 | UNCH | .021 | ---- | ---- | 113 | | UNCH | .30 | .12 |
| TOTAL | | | | | | | | | | 21 | 3993 | + | 11 | | |
| APR19 | | (FUTURES SETT. | 115.300 - | 5.0 ) | | | | | | | | | | | |
| 1120 | ---- | ---- | ---- | ---- | | 7.40 - | 2 | .616 | ---- | ---- | 11 | | UNCH | 7.45B | 5.30A |
| 1140 | ---- | ---- | ---- | ---- | | 6.32 - | 5 | .560 | ---- | ---- | 51 | | UNCH | 7.22 | 4.40A |
| 1160 | ---- | ---- | ---- | ---- | | 5.35 - | 5 | .504 | ---- | 3 | 80 | + | 3 | 6.55 | 3.60A |
| 1180 | ---- | ---- | ---- | ---- | | 4.47 - | 5 | .449 | ---- | ---- | 25 | | UNCH | 6.15 | 3.15 |
| 1200 | ---- | ---- | ---- | ---- | | 3.67 - | 5 | .394 | ---- | ---- | 312 | | UNCH | 5.65B | 2.75 |
| 1220 | ---- | ---- | ---- | ---- | | 2.97 - | 5 | .341 | ---- | 3 | 21 | + | 1 | 3.67B | 2.45 |
| 1240 | ---- | ---- | ---- | ---- | | 2.37 - | 5 | .291 | ---- | 124 | 232 | + | 78 | 2.97B | 2.12A |
| 1260 | ---- | ---- | ---- | ---- | | 1.87 - | 5 | .244 | ---- | 3 | 634 | + | 3 | 2.37B | 1.70 |
| 1280 | ---- | ---- | ---- | ---- | | 1.45 - | 5 | .201 | ---- | ---- | 90 | | UNCH | 1.87B | 1.35A |
| 1300 | ---- | ---- | ---- | ---- | | 1.10 - | 5 | .163 | ---- | ---- | 81 | | UNCH | 1.60 | .52 |
| 1320 | ---- | ---- | ---- | ---- | | .85 - | 2 | .132 | ---- | ---- | 12 | | UNCH | .87B | .82A |
| 1340 | ---- | ---- | ---- | ---- | | .65 - | 2 | .106 | ---- | ---- | 3 | | UNCH | .67B | .52 |
| 1360 | ---- | ---- | ---- | ---- | | .50 - | 2 | .085 | ---- | ---- | 10 | | UNCH | .65 | .65 |
| 1400 | ---- | ---- | ---- | ---- | | .32 | UNCH | .057 | ---- | 1 | 374 | + | 1 | .35 | .12 |
| 1460 | ---- | ---- | ---- | ---- | | .15 | UNCH | .028 | ---- | ---- | 8 | | UNCH | .25 | .12 |
| 1480 | ---- | ---- | ---- | ---- | | .12 | UNCH | .024 | ---- | ---- | 2 | | UNCH | .20 | .20 |
| 1500 | ---- | ---- | ---- | ---- | | .07 - | 2 | .015 | ---- | ---- | 12 | | UNCH | .15B | .15 |
| TOTAL | | | | | | | | | | 134 | 1958 | + | 86 | | |
| JUN19 | | (FUTURES SETT. | 108.000 - | 10.0 ) | | | | | | | | | | | |
| 1040 | ---- | ---- | ---- | ---- | | 7.72 + | 17 | .638 | ---- | ---- | 1 | | UNCH | 9.05 | 6.60 |
| 1080 | ---- | ---- | ---- | ---- | | 5.50 + | 25 | .525 | ---- | ---- | 19 | | UNCH | 6.30 | 5.25 |
| 1100 | ---- | ---- | ---- | ---- | | 4.52 + | 25 | .466 | ---- | ---- | 29 | | UNCH | 5.30 | 4.55 |
| 1120 | ---- | ---- | ---- | ---- | | 3.67 + | 25 | .408 | ---- | ---- | 23 | | UNCH | 4.50 | 3.77A |
| 1140 | ---- | ---- | ---- | ---- | | 2.92 + | 22 | .351 | ---- | ---- | 30 | | UNCH | 3.12B | ---- |
| 1160 | ---- | ---- | ---- | ---- | | 2.30 + | 20 | .296 | ---- | ---- | 20 | | UNCH | 2.50B | 2.35 |
| 1180 | ---- | ---- | ---- | ---- | | 1.80 + | 17 | .247 | ---- | ---- | 30 | | UNCH | 2.17 | 2.17 |
| 1200 | ---- | ---- | ---- | ---- | | 1.42 + | 17 | .206 | ---- | ---- | 41 | | UNCH | 2.17 | 1.25 |
| 1240 | ---- | ---- | ---- | ---- | | .90 + | 15 | .140 | ---- | ---- | 2 | | UNCH | 1.02 | 1.02 |
| 1300 | ---- | ---- | ---- | ---- | | .45 + | 10 | .077 | ---- | 2 | 8 | + | 2 | .42B | .40 |
| 1320 | ---- | ---- | ---- | ---- | | .35 + | 10 | .062 | ---- | ---- | 15 | | UNCH | .40B | .37 |
| 1340 | ---- | ---- | ---- | ---- | | .27 + | NEW | .050 | ---- | 2 | 2 | + | 2 | .25B | ---- |
| TOTAL | | | | | | | | | | 4 | 220 | + | 4 | | |
| AUG19 | | (FUTURES SETT. | 107.075 - | 2.5 ) | | | | | | | | | | | |
| 1060 | ---- | ---- | ---- | ---- | | 5.97 - | 5 | .556 | ---- | 2 | 14 | + | 2 | 6.05B | 5.70 |
| 1080 | ---- | ---- | ---- | ---- | | 5.00 - | 2 | .498 | ---- | ---- | 61 | | UNCH | 5.80 | 5.15 |
| 1100 | ---- | ---- | ---- | ---- | | 4.12 | UNCH | .440 | ---- | ---- | 1 | | UNCH | 4.50 | 4.50 |
| TOTAL | | | | | | | | | | 2 | 76 | + | 2 | | |

## LIVE CATTLE 4-Month CSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV CATL 4M CS C | | | | | | | | | | | | |
| AUG18 | LV CATL 4M CS C | (FUTURES SETT. | 102.725 + | 30.0 ) | | | | | | | | |
| -60 | ---- | ---- | ---- | ---- | .32 + | 2 | .216 | ---- | ---- | 2 | UNCH | .85 | .85 |
| TOTAL | | | | | | | | | 0 | 2 | | |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = LIVE CATTLE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### LIVE CATTLE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LV CATTLE PUT | | | | | | | | | | | |
| JUL18 LV CATTLE PUT | | (FUTURES SETT. .00) | | | | | | | | | |
| 780 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 1 | UNCH ---- | ---- |
| 840 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 6 | UNCH .12 | .07A |
| 850 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 1 | UNCH .15 | .10A |
| 870 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 7 | UNCH .25B | .12 |
| 880 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 7 | UNCH .40B | .02A |
| 890 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 13 | UNCH .50B | .02 |
| 900 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 49 | UNCH .65B | .05A |
| 910 | ---- | ---- | ---- | ---- | CAB ---- | .001 | ---- | ---- | 51 | UNCH .80B | .05A |
| 920 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | ---- | 116 | UNCH 1.02B | .02A |
| 930 | ---- | ---- | ---- | ---- | .02 - 2 | .005 | ---- | ---- | 114 | UNCH 1.27B | .07 |
| 940 | ---- | ---- | ---- | ---- | .02 - 5 | .012 | ---- | ---- | 247 | UNCH 1.57B | .02 |
| 950 | ---- | ---- | ---- | ---- | .05 - 5 | .023 | ---- | ---- | 105 | UNCH 1.90B | .07A |
| 960 | ---- | ---- | ---- | ---- | .07 - 7 | .036 | ---- | 1 | 650 - 1 | 2.27B | .05 |
| 970 | ---- | ---- | ---- | ---- | .12 - 10 | .059 | ---- | ---- | 698 | UNCH 2.70B | .10A |
| 980 | ---- | ---- | ---- | ---- | .20 - 12 | .093 | ---- | 5 | 516 | UNCH 3.12B | .12 |
| 990 | ---- | ---- | ---- | ---- | .32 - 15 | .145 | ---- | 14 | 392 | UNCH 3.65B | .17A |
| 1000 | 0.45 @0.42 | .45 | .42 | ---- | .50 - 17 | .214 | ---- | 427 | 908 - 148 | 4.20B | .22 |
| 1010 | ---- | ---- | ---- | ---- | .72 - 22 | .299 | ---- | 73 | 406 + 28 | 4.77B | .32A |
| 1020 | ---- | ---- | ---- | ---- | 1.07 - 25 | .407 | ---- | 178 | 1777 - 82 | 5.45B | .45 |
| 1030 | ---- | ---- | ---- | ---- | 1.52 - 27 | .526 | ---- | 10 | 231 + 3 | 6.10B | .60 |
| 1040 | ---- | ---- | ---- | ---- | 2.10 - 30 | .646 | ---- | 210 | 639 - 41 | 6.82B | .82A |
| 1050 | ---- | ---- | ---- | ---- | 2.77 - 32 | .757 | ---- | 5 | 440 - 5 | 7.60B | 1.07A |
| 1060 | ---- | ---- | ---- | ---- | 3.57 - 32 | .842 | ---- | 5 | 125 | UNCH 8.40B | 1.40A |
| 1070 | ---- | ---- | ---- | ---- | 4.45 - 32 | .902 | ---- | ---- | 60 | UNCH 9.27B | 1.80A |
| 1080 | ---- | ---- | ---- | ---- | 5.37 - 32 | .942 | ---- | ---- | 28 | UNCH 10.15B | 2.30A |
| 1090 | ---- | ---- | ---- | ---- | 6.32 - 32 | .958 | ---- | ---- | 9 | UNCH 11.02B | 2.85A |
| 1100 | ---- | ---- | ---- | ---- | 7.30 - 32 | .973 | ---- | ---- | 10 | UNCH 11.92B | 3.50A |
| 1110 | ---- | ---- | ---- | ---- | 8.30 - 30 | .986 | ---- | ---- | 1 | UNCH 12.90B | 4.27A |
| 1150 | ---- | ---- | ---- | ---- | 12.27 - 30 | .999 | ---- | ---- | 1 | UNCH 16.72B | 7.70A |
| 1160 | ---- | ---- | ---- | ---- | 13.27 - 30 | .999 | ---- | ---- | 1 | UNCH 17.72B | 8.62A |
| 1180 | ---- | ---- | ---- | ---- | 15.27 - 30 | .999 | ---- | ---- | 1 | UNCH 19.72B | 10.57A |
| TOTAL | | | | | | | | 928 | 7610 - 246 | | |
| AUG18 LV CATTLE PUT | | (FUTURES SETT. 102.725 + 30.0 ) | | | | | | | | | |
| 600 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 70 | UNCH ---- | ---- |
| 760 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 7 | UNCH .22B | .02 |
| 770 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 36 | UNCH .20 | .02 |
| 780 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 66 | UNCH .22 | .05A |
| 790 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 52 | UNCH .20B | .05 |
| 800 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 28 | UNCH .27 | .05 |
| 810 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 164 | UNCH .30B | .07A |
| 820 | ---- | ---- | ---- | ---- | CAB ---- | .001 | ---- | 1 | 69 | UNCH .35B | .05A |
| 830 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | ---- | 13 | UNCH .45B | .10A |
| 840 | ---- | ---- | ---- | ---- | .02 UNCH | .003 | ---- | ---- | 266 | UNCH .60 | .02 |
| 850 | ---- | ---- | ---- | ---- | .02 UNCH | .005 | ---- | ---- | 127 | UNCH .70 | .05 |
| 860 | ---- | ---- | ---- | ---- | .02 - 2 | .008 | ---- | ---- | 74 | UNCH 1.15 | .02 |
| 870 | ---- | ---- | ---- | ---- | .05 - 2 | .015 | ---- | ---- | 29 | UNCH .97B | .10 |
| 880 | ---- | ---- | ---- | ---- | .07 - 2 | .022 | ---- | ---- | 397 | UNCH 1.22 | .05 |
| 890 | ---- | ---- | ---- | ---- | .10 - 2 | .029 | ---- | 57 | 170 - 4 | 1.47 | .07A |
| 900 | ---- | ---- | ---- | ---- | .15 - 2 | .041 | ---- | 20 | 1752 + 16 | 2.25 | .07 |
| 910 | ---- | ---- | ---- | ---- | .20 - 2 | .054 | ---- | ---- | 547 | UNCH 1.97B | .10 |
| 920 | ---- | ---- | ---- | ---- | .25 - 5 | .067 | ---- | 47 | 1061 - 10 | 2.37 | .12 |
| 930 | ---- | ---- | ---- | ---- | .32 - 5 | .085 | ---- | 1 | 481 + 1 | 2.62B | .15 |
| 940 | ---- | ---- | ---- | ---- | .42 - 5 | .107 | ---- | 678 | 2188 + 246 | 3.02 | .20 |
| 950 | ---- | ---- | ---- | ---- | .57 - 2 | .137 | ---- | 42 | 1168 - 40 | 3.45 | .25 |
| 960 | ---- | ---- | ---- | ---- | .72 - 5 | .168 | ---- | 35 | 3337 + 8 | 3.92 | .32 |
| 970 | ---- | ---- | ---- | ---- | .92 - 5 | .205 | ---- | 12 | 3536 + 9 | 4.30 | .42A |
| 980 | ---- | ---- | ---- | ---- | 1.15 - 7 | .245 | ---- | 125 | 1990 + 95 | 5.00 | .55 |
| 990 | ---- | ---- | ---- | ---- | 1.42 - 10 | .290 | ---- | 275 | 1262 + 391 | 5.27B | .67A |
| 1000 | 1.97 | 1.97 | 1.97 | ---- | 1.75 - 12 | .339 | ---- | 204 | 7961 + 135 | 5.80B | .85 |
| 1010 | ---- | ---- | ---- | ---- | 2.10 - 15 | .390 | ---- | 18 | 830 - 6 | 6.40B | 1.05 |
| 1020 | ---- | ---- | ---- | ---- | 2.52 - 17 | .445 | ---- | 170 | 3560 + 32 | 7.10 | 1.27A |
| 1030 | ---- | ---- | ---- | ---- | 3.00 - 20 | .501 | ---- | 87 | 1183 + 15 | 7.65B | 1.47A |
| 1040 | ---- | ---- | ---- | ---- | 3.52 - 22 | .558 | ---- | 26 | 2815 + 5 | 8.35 | 1.65 |
| 1050 | ---- | ---- | ---- | ---- | 4.10 - 22 | .615 | ---- | 141 | 1114 - 66 | 9.00B | 1.85 |
| 1060 | ---- | ---- | ---- | ---- | 4.75 - 22 | .668 | ---- | 72 | 1841 - 5 | 9.67B | 2.02 |
| 1070 | ---- | ---- | ---- | ---- | 5.42 - 25 | .719 | ---- | ---- | 552 | UNCH 10.50B | 2.30A |
| 1080 | ---- | ---- | ---- | ---- | 6.17 - 25 | .768 | ---- | 10 | 1478 - 10 | 11.25 | 2.52 |
| 1090 | ---- | ---- | ---- | ---- | 6.97 - 22 | .810 | ---- | ---- | 429 | UNCH 12.07B | 2.80A |
| 1100 | ---- | ---- | ---- | ---- | 7.80 - 25 | .848 | ---- | 2 | 1775 - 1 | 13.00 | 3.07A |
| 1110 | ---- | ---- | ---- | ---- | 8.65 - 27 | .879 | ---- | ---- | 101 | UNCH 13.80B | 3.37A |
| 1120 | ---- | ---- | ---- | ---- | 9.55 - 27 | .905 | ---- | 35 | 1167 - 4 | 14.77 | 3.70 |
| 1130 | ---- | ---- | ---- | ---- | 10.47 - 27 | .926 | ---- | ---- | 371 | UNCH 15.52B | 4.05 |
| 1140 | ---- | ---- | ---- | ---- | 11.42 - 27 | .941 | ---- | ---- | 572 | UNCH 16.42B | 4.40A |
| 1150 | ---- | ---- | ---- | ---- | 12.37 - 30 | .956 | ---- | 11 | 174 - 10 | 17.40B | 4.85A |
| 1160 | ---- | ---- | ---- | ---- | 13.35 - 30 | .964 | ---- | ---- | 236 | UNCH 18.30B | 5.22A |
| 1170 | ---- | ---- | ---- | ---- | 14.32 - 30 | .972 | ---- | ---- | 223 | UNCH 19.27B | 5.75A |
| 1180 | ---- | ---- | ---- | ---- | 15.30 - 30 | .981 | ---- | ---- | 327 | UNCH 20.17B | 6.15A |
| 1200 | ---- | ---- | ---- | ---- | 17.27 - 30 | .992 | ---- | ---- | 37 | UNCH 22.12B | 7.42A |
| 1210 | ---- | ---- | ---- | ---- | 18.27 - 30 | .994 | ---- | ---- | 9 | UNCH 23.10B | 8.00A |
| 1230 | ---- | ---- | ---- | ---- | 20.27 - 30 | .997 | ---- | ---- | 1 | UNCH 25.05B | 9.82A |
| 1250 | ---- | ---- | ---- | ---- | 22.27 - 30 | .999 | ---- | ---- | 1 | UNCH 27.07B | 11.35A |
| 1310 | ---- | ---- | ---- | ---- | 28.27 - 30 | .999 | ---- | ---- | 1 | UNCH 33.00B | 16.70A |
| 1390 | ---- | ---- | ---- | ---- | 36.27 - 30 | 1.000 | ---- | ---- | 5 | UNCH 41.02B | 24.52A |
| TOTAL | | | | | | | | 2069 | 45653 + 797 | | |
| OCT18 LV CATTLE PUT | | (FUTURES SETT. 106.150 + 25.0 ) | | | | | | | | | |
| 760 | ---- | ---- | ---- | ---- | .02 + 2 | .002 | ---- | ---- | 6 | UNCH .10 | .02 |
| 800 | ---- | ---- | ---- | ---- | .05 + 2 | .010 | ---- | ---- | 56 | UNCH .22B | .10 |
| 810 | ---- | ---- | ---- | ---- | .05 + 2 | .010 | ---- | ---- | 11 | UNCH .15 | .10A |
| 820 | ---- | ---- | ---- | ---- | .07 + 2 | .015 | ---- | ---- | 96 | UNCH .27B | .10A |
| 840 | ---- | ---- | ---- | ---- | .10 + 2 | .020 | ---- | ---- | 56 | UNCH .37B | .12A |
| 850 | ---- | ---- | ---- | ---- | .12 + 2 | .024 | ---- | ---- | 2 | UNCH .35B | .10 |
| 860 | ---- | ---- | ---- | ---- | .15 UNCH | .029 | ---- | ---- | 38 | UNCH 1.40 | .12A |
| 870 | ---- | ---- | ---- | ---- | .17 - 2 | .034 | ---- | ---- | 3 | UNCH .52B | .20A |
| 880 | ---- | ---- | ---- | ---- | .22 - 2 | .043 | ---- | ---- | 242 | UNCH .75B | .20A |
| 890 | ---- | ---- | ---- | ---- | .27 - 2 | .051 | ---- | ---- | 31 | UNCH .75B | .17A |
| 900 | ---- | ---- | ---- | ---- | .35 - 2 | .063 | ---- | ---- | 597 | UNCH 1.17 | .20 |
| 910 | ---- | ---- | ---- | ---- | .42 - 2 | .075 | ---- | ---- | 67 | UNCH 1.07B | .25A |
| 920 | ---- | ---- | ---- | ---- | .52 - 2 | .089 | ---- | ---- | 355 | UNCH 1.60 | .30A |
| 930 | ---- | ---- | ---- | ---- | .62 - 2 | .104 | ---- | ---- | 166 | UNCH 1.50B | .35 |
| 940 | ---- | ---- | ---- | ---- | .75 - 5 | .122 | ---- | ---- | 844 | UNCH 2.05 | .42A |
| 950 | ---- | ---- | ---- | ---- | .90 - 5 | .142 | ---- | ---- | 346 | UNCH 2.05B | .50 |
| 960 | ---- | ---- | ---- | ---- | 1.07 - 5 | .164 | ---- | 10 | 1619 + 7 | 2.65 | .60A |
| 970 | ---- | ---- | ---- | ---- | 1.27 - 5 | .188 | ---- | ---- | 288 | UNCH 2.70B | .72A |
| 980 | ---- | ---- | ---- | ---- | 1.50 - 5 | .214 | ---- | ---- | 1742 | UNCH 3.50 | .82 |
| 990 | ---- | ---- | ---- | ---- | 1.75 - 5 | .242 | ---- | 4 | 365 + 4 | 3.47B | 1.02A |
| 1000 | ---- | ---- | ---- | ---- | 2.02 - 7 | .271 | ---- | 53 | 2318 + 19 | 4.07B | 1.00A |
| 1010 | ---- | ---- | ---- | ---- | 2.32 - 7 | .301 | ---- | ---- | 357 | UNCH 4.40B | 1.40A |
| 1020 | ---- | ---- | ---- | ---- | 2.65 - 10 | .333 | ---- | 3 | 1998 + 2 | 5.02B | 1.27A |
| 1030 | ---- | ---- | ---- | ---- | 3.02 - 10 | .367 | ---- | ---- | 740 | UNCH 5.40B | 1.90A |
| 1040 | ---- | ---- | ---- | ---- | 3.42 - 10 | .402 | ---- | 104 | 2654 + 41 | 6.20 | 1.45 |
| 1050 | ---- | ---- | ---- | ---- | 3.87 - 10 | .437 | ---- | ---- | 546 | UNCH 6.60B | 2.52A |
| 1060 | ---- | ---- | ---- | ---- | 4.35 - 10 | .473 | ---- | 30 | 1925 + 20 | 7.20B | 2.00 |

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# LIVE CATTLE PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (FUTURES SETT. 106.150 + 25.0 ) | | | | | | | | | | | | | |
| 1070 | ---- | ---- | ---- | ---- | | 4.87 - | 10 | .509 | ---- | 1 | 390 | | UNCH | 7.85B | 3.27A |
| 1080 | ---- | ---- | ---- | ---- | | 5.40 - | 12 | .545 | ---- | 15 | 3197 | - | 15 | 8.52B | 2.47 |
| 1090 | ---- | ---- | ---- | ---- | | 5.97 - | 12 | .581 | ---- | ---- | 183 | | UNCH | 9.07B | 4.17A |
| 1100 | ---- | ---- | ---- | ---- | | 6.57 - | 15 | .617 | ---- | 50 | 854 | - | 17 | 9.80B | 3.00 |
| 1110 | ---- | ---- | ---- | ---- | | 7.20 - | 17 | .653 | ---- | ---- | 263 | | UNCH | 10.55B | 5.17A |
| 1120 | ---- | ---- | ---- | ---- | | 7.87 - | 20 | .686 | ---- | ---- | 798 | | UNCH | 11.35B | 3.57 |
| 1140 | ---- | ---- | ---- | ---- | | 9.32 - | 20 | .750 | ---- | ---- | 904 | - | 1 | 12.97B | 4.22A |
| 1160 | ---- | ---- | ---- | ---- | | 10.90 - | 20 | .803 | ---- | ---- | 280 | | UNCH | 14.70B | 4.95 |
| 1180 | ---- | ---- | ---- | ---- | | 12.57 - | 20 | .850 | ---- | ---- | 120 | | UNCH | 16.50B | 5.80 |
| 1200 | ---- | ---- | ---- | ---- | | 14.35 - | 17 | .887 | ---- | ---- | 180 | | UNCH | 18.35B | 7.17A |
| 1210 | ---- | ---- | ---- | ---- | | 15.25 - | 20 | .904 | ---- | ---- | 3 | | UNCH | 19.27B | 12.30A |
| 1300 | ---- | ---- | ---- | ---- | | 23.90 - | 22 | .975 | ---- | ---- | 1 | | UNCH | 28.02B | 14.35A |
| TOTAL | | | | | | | | | | 270 | 24641 | + | 60 | | |
| DEC18 | | (FUTURES SETT. 110.725 + 12.5 ) | | | | | | | | | | | | | |
| 540 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 4 | | UNCH | ---- | ---- |
| 840 | ---- | ---- | ---- | ---- | | .07 | UNCH | .013 | ---- | ---- | 77 | | UNCH | .10B | .07 |
| 860 | ---- | ---- | ---- | ---- | | .10 - | 2 | .018 | ---- | ---- | 20 | | UNCH | .15B | .12 |
| 880 | ---- | ---- | ---- | ---- | | .15 - | 2 | .027 | ---- | ---- | 81 | | UNCH | .47B | .15 |
| 900 | ---- | ---- | ---- | ---- | | .20 - | 5 | .035 | ---- | ---- | 10 | | UNCH | .40 | .22A |
| 920 | ---- | ---- | ---- | ---- | | .30 - | 5 | .051 | ---- | ---- | 95 | | UNCH | 1.02B | .30A |
| 940 | ---- | ---- | ---- | ---- | | .50 - | 2 | .078 | ---- | ---- | 82 | | UNCH | 1.30B | .37A |
| 950 | ---- | ---- | ---- | ---- | | .60 - | 2 | .091 | ---- | ---- | 2 | | UNCH | .85B | .45A |
| 960 | ---- | ---- | ---- | ---- | | .72 | UNCH | .106 | ---- | ---- | 299 | | UNCH | 1.62B | .52 |
| 970 | ---- | ---- | ---- | ---- | | .85 | UNCH | .121 | ---- | ---- | 5 | | UNCH | 1.15B | .60A |
| 980 | ---- | ---- | ---- | ---- | | .97 - | 2 | .137 | ---- | 1 | 380 | | UNCH | 1.97 | .70 |
| 990 | ---- | ---- | ---- | ---- | | 1.15 | UNCH | .157 | ---- | ---- | 10 | | UNCH | 1.57B | .82A |
| 1000 | ---- | ---- | ---- | ---- | | 1.32 - | 2 | .177 | ---- | 13 | 1859 | - | 3 | 2.50 | .90 |
| 1010 | ---- | ---- | ---- | ---- | | 1.52 - | 2 | .198 | ---- | ---- | 35 | | UNCH | 2.10B | 1.12A |
| 1020 | ---- | ---- | ---- | ---- | | 1.75 - | 5 | .222 | ---- | 50 | 1341 | + | 50 | 3.20 | 1.15 |
| 1030 | ---- | ---- | ---- | ---- | | 2.02 - | 5 | .247 | ---- | 5 | 112 | + | 5 | 2.75B | 1.50A |
| 1040 | ---- | ---- | ---- | ---- | | 2.32 - | 5 | .274 | ---- | 47 | 901 | + | 47 | 4.30 | 1.37 |
| 1050 | ---- | ---- | ---- | ---- | | 2.65 - | 5 | .302 | ---- | 25 | 154 | | UNCH | 3.52B | 1.97A |
| 1060 | ---- | ---- | ---- | ---- | | 2.97 - | 7 | .331 | ---- | 21 | 2134 | + | 10 | 5.00 | 1.77 |
| 1070 | ---- | ---- | ---- | ---- | | 3.35 - | 7 | .361 | ---- | ---- | 43 | | UNCH | 4.37B | 2.57A |
| 1080 | ---- | ---- | ---- | ---- | | 3.77 - | 5 | .391 | ---- | 101 | 1242 | + | 73 | 6.00 | 2.22 |
| 1090 | ---- | ---- | ---- | ---- | | 4.22 - | 2 | .423 | ---- | ---- | 27 | | UNCH | 5.32B | 3.25A |
| 1100 | ---- | ---- | ---- | ---- | | 4.67 - | 2 | .454 | ---- | 33 | 2221 | + | 31 | 7.00 | 2.72 |
| 1110 | ---- | ---- | ---- | ---- | | 5.17 | UNCH | .486 | ---- | ---- | 151 | | UNCH | 6.42B | 4.05A |
| 1120 | ---- | ---- | ---- | ---- | | 5.67 - | 2 | .517 | ---- | ---- | 1425 | | UNCH | 7.95B | 3.30 |
| 1130 | ---- | ---- | ---- | ---- | | 6.22 - | 2 | .549 | ---- | ---- | 29 | | UNCH | 7.57B | 5.02A |
| 1140 | ---- | ---- | ---- | ---- | | 6.80 - | 2 | .581 | ---- | ---- | 1191 | | UNCH | 9.17B | 4.00 |
| 1160 | ---- | ---- | ---- | ---- | | 8.05 - | 2 | .643 | ---- | ---- | 466 | | UNCH | 10.52B | 4.57 |
| 1170 | ---- | ---- | ---- | ---- | | 8.70 - | 2 | .672 | ---- | ---- | 5 | | UNCH | 10.35B | 7.20A |
| 1180 | ---- | ---- | ---- | ---- | | 9.40 - | 2 | .701 | ---- | ---- | 267 | | UNCH | 11.95B | 5.37 |
| 1200 | ---- | ---- | ---- | ---- | | 10.87 - | 2 | .755 | ---- | ---- | 18 | | UNCH | 13.52B | 6.30A |
| 1220 | ---- | ---- | ---- | ---- | | 12.45 - | 5 | .802 | ---- | ---- | 2 | | UNCH | 15.20B | 7.25A |
| 1240 | ---- | ---- | ---- | ---- | | 14.12 - | 5 | .844 | ---- | ---- | 6 | | UNCH | 16.97B | 8.60A |
| 1260 | ---- | ---- | ---- | ---- | | 15.87 - | 5 | .878 | ---- | ---- | 5 | | UNCH | 18.77B | 9.97A |
| TOTAL | | | | | | | | | | 296 | 14699 | + | 213 | | |
| FEB19 | | (FUTURES SETT. 114.125 + 2.5 ) | | | | | | | | | | | | | |
| 920 | ---- | ---- | ---- | ---- | | .25 | UNCH | .040 | ---- | ---- | 1 | | UNCH | .40B | .40A |
| 940 | ---- | ---- | ---- | ---- | | .35 | UNCH | .054 | ---- | ---- | 4 | | UNCH | .55B | .37 |
| 960 | ---- | ---- | ---- | ---- | | .50 | UNCH | .073 | ---- | ---- | 22 | | UNCH | 1.05 | .47 |
| 980 | ---- | ---- | ---- | ---- | | .70 - | 2 | .098 | ---- | ---- | 123 | | UNCH | 1.40 | .57A |
| 1000 | ---- | ---- | ---- | ---- | | .95 - | 2 | .127 | ---- | ---- | 273 | | UNCH | 2.50 | .77A |
| 1020 | ---- | ---- | ---- | ---- | | 1.27 - | 5 | .162 | ---- | ---- | 246 | | UNCH | 2.85 | 1.00 |
| 1040 | ---- | ---- | ---- | ---- | | 1.67 - | 7 | .203 | ---- | ---- | 402 | | UNCH | 3.45B | 1.40 |
| 1060 | ---- | ---- | ---- | ---- | | 2.17 - | 7 | .249 | ---- | ---- | 404 | | UNCH | 4.22B | 1.80 |
| 1080 | ---- | ---- | ---- | ---- | | 2.80 - | 5 | .301 | ---- | 53 | 383 | + | 11 | 4.82B | 2.02 |
| 1100 | ---- | ---- | ---- | ---- | | 3.52 - | 2 | .356 | ---- | 2 | 587 | + | 2 | 6.00B | 2.95 |
| 1120 | ---- | ---- | ---- | ---- | | 4.35 | UNCH | .413 | ---- | 23 | 533 | + | 23 | 6.80B | 3.72A |
| 1140 | ---- | ---- | ---- | ---- | | 5.30 + | 2 | .472 | ---- | 2 | 501 | | UNCH | 7.87B | 4.42A |
| 1160 | ---- | ---- | ---- | ---- | | 6.35 + | 2 | .532 | ---- | ---- | 535 | | UNCH | 9.05B | 5.07 |
| 1180 | ---- | ---- | ---- | ---- | | 7.47 | UNCH | .591 | ---- | ---- | 85 | | UNCH | 10.32B | 5.80 |
| 1200 | ---- | ---- | ---- | ---- | | 8.75 | UNCH | .648 | ---- | ---- | 39 | | UNCH | 12.00B | 6.97A |
| TOTAL | | | | | | | | | | 80 | 4138 | + | 36 | | |
| APR19 | | (FUTURES SETT. 115.300 - 5.0 ) | | | | | | | | | | | | | |
| 980 | ---- | ---- | ---- | ---- | | .62 | UNCH | .087 | ---- | ---- | 8 | | UNCH | 1.10 | .60 |
| 1000 | ---- | ---- | ---- | ---- | | .87 + | 2 | .116 | ---- | ---- | 87 | | UNCH | 1.40 | .82A |
| 1020 | ---- | ---- | ---- | ---- | | 1.17 + | 2 | .148 | ---- | ---- | 78 | | UNCH | 1.50B | 1.00 |
| 1040 | ---- | ---- | ---- | ---- | | 1.55 | UNCH | .185 | ---- | 6 | 364 | | UNCH | 2.17 | 1.40 |
| 1060 | ---- | ---- | ---- | ---- | | 2.02 | UNCH | .229 | ---- | 5 | 172 | + | 5 | 2.80 | 1.65 |
| 1080 | ---- | ---- | ---- | ---- | | 2.62 + | 2 | .277 | ---- | 124 | 488 | + | 78 | 3.80 | 2.25 |
| 1100 | ---- | ---- | ---- | ---- | | 3.32 + | 2 | .329 | ---- | 1 | 57 | | UNCH | 5.50 | 2.75 |
| 1120 | ---- | ---- | ---- | ---- | | 4.15 + | 2 | .383 | ---- | ---- | 386 | | UNCH | 5.60 | 3.60A |
| 1140 | ---- | ---- | ---- | ---- | | 5.05 + | 2 | .439 | ---- | ---- | 313 | | UNCH | 5.92 | 4.22A |
| 1160 | ---- | ---- | ---- | ---- | | 6.05 + | 2 | .495 | ---- | 144 | 1034 | + | 78 | 6.22 | 5.07A |
| 1180 | ---- | ---- | ---- | ---- | | 7.15 + | 2 | .550 | ---- | ---- | 6 | | UNCH | 7.35B | 7.17A |
| TOTAL | | | | | | | | | | 280 | 2993 | + | 161 | | |
| JUN19 | | (FUTURES SETT. 108.000 - 10.0 ) | | | | | | | | | | | | | |
| 960 | ---- | ---- | ---- | ---- | | 1.45 + | 7 | .173 | ---- | ---- | 18 | | UNCH | 1.52 | 1.40 |
| 980 | ---- | ---- | ---- | ---- | | 1.90 + | 12 | .214 | ---- | ---- | 80 | | UNCH | 1.97B | ---- |
| 1000 | ---- | ---- | ---- | ---- | | 2.45 + | 17 | .260 | ---- | ---- | 76 | | UNCH | 3.00 | 1.75 |
| 1020 | ---- | ---- | ---- | ---- | | 3.07 + | 25 | .309 | ---- | ---- | 15 | | UNCH | 3.20B | ---- |
| 1040 | ---- | ---- | ---- | ---- | | 3.77 + | 27 | .361 | ---- | ---- | 13 | | UNCH | 3.97B | ---- |
| 1060 | ---- | ---- | ---- | ---- | | 4.60 + | 32 | .417 | ---- | 15 | 82 | + | 5 | 4.90 | 3.60 |
| 1080 | ---- | ---- | ---- | ---- | | 5.50 + | 35 | .474 | ---- | 3 | 155 | + | 3 | 5.80 | 5.10A |
| 1100 | ---- | ---- | ---- | ---- | | 6.50 + | 35 | .533 | ---- | ---- | 53 | | UNCH | 6.90B | 5.30 |
| TOTAL | | | | | | | | | | 18 | 492 | + | 8 | | |

## LIVE CATTLE 2-Month CSO PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV CATL 2M CS P | | | | | | | | | | | | | |
| AUG18 | LV CATL 2M CS P | (FUTURES SETT. 102.725 + 30.0 ) | | | | | | | | | | | |
| -40 | ---- | ---- | ---- | ---- | .70 - | 2 | .404 | ---- | ---- | 5 | UNCH | .70 | .70 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| OCT18 | LV CATL 2M CS P | (FUTURES SETT. 106.150 + 25.0 ) | | | | | | | | | | | |
| -70 | ---- | ---- | ---- | ---- | .47 - | 5 | .236 | ---- | ---- | 5 | UNCH | .90 | .90 |
| -60 | ---- | ---- | ---- | ---- | .70 - | 5 | .328 | ---- | ---- | 12 | UNCH | 1.30 | 1.00 |
| TOTAL | | | | | | | | | 0 | 17 | | | |

## LIVE CATTLE 4-Month CSO PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV CATL 4M CS P | | | | | | | | | | | | | |
| AUG18 | LV CATL 4M CS P | (FUTURES SETT. 102.725 + 30.0 ) | | | | | | | | | | | |
| -100 | ---- | ---- | ---- | ---- | .42 - | 5 | .243 | ---- | ---- | 14 | UNCH | 1.20 | 1.00 |
| TOTAL | | | | | | | | | 0 | 14 | | | |

## OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| LV CATTLE CALL LIVE CATTLE OPTIONS | | | | | | | |
| JUL18 CALL | | | | | | | |
| OK | 1100 | ---- | ---- | 250 | ---- | ---- | 0.00 |

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# LIVE CATTLE PUT OPTIONS



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**FINAL**



| | | | | | | |
|---|---|---|---|---|---|---|
| TOTALS | 0 | 0 | 250 | 0 | 0 | 0 |

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# FEEDER CATTLE CALL OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### FEEDER CATTLE CONTRACTS LAST TRADE DATES

| EXPIRATION: | AUG18 | SEP18 | OCT18 | NOV18 | JAN19 | MAR19 | APR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|
| FDR CATTLE FUT | 08/30 | 09/27 | 10/25 | 11/15 | 01/31 | 03/28 | 04/18 | 05/23 |
| FDR CATTLE OPT | 08/30 | 09/27 | 10/25 | 11/15 | 01/31 | 03/28 | 04/18 | 05/23 |

### FEEDER CATTLE OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | AUG18 | SEP18 | OCT18 | NOV18 | JAN19 | MAR19 | APR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|
| ZF | 68.0-200.0 | 70.0-200.0 | 70.0-200.0 | 70.0-200.0 | 68.0-200.0 | 68.0-200.0 | 68.0-200.0 | 72.0-200.0 |

### FEEDER CATTLE FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & | | RTH | GLOBEX® | OPEN | | -52 WEEKS (364 DAYS) AGO- | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FDR CATTLE FUT | | | | | | | | | | | |
| AUG18 | 146.10 | 146.12 | 144.90 | 145.77 - | 32 | ---- | 4078 | 23187 + | 145 | 5535 29920 | 146.40 |
| SEP18 | 146.67 | 146.75 | 145.50 | 146.47 - | 20 | ---- | 1728 | 7564 + | 233 | 2886 11157 | 146.40 |
| OCT18 | 146.50 | 146.60 | 145.45 | 146.47 - | 12 | ---- | 726 | 5887 - | 35 | 1831 7193 | 145.07 |
| NOV18 | 146.57 | 146.67 | 145.60 | 146.50 - | 15 | ---- | 419 | 4653 + | 33 | 991 4254 | 143.40 |
| JAN19 | 144.35 | 144.52 | 143.35 | 144.32 - | 20 | ---- | 285 | 3667 + | 82 | 404 2848 | 139.15 |
| MAR19 | 143.37 | 143.60B | 142.92A | 143.40 - | 50 | ---- | 29 | 1491 - | 2 | 30 711 | 136.67 |
| APR19 | 144.20 | 144.20 | 143.40 | 143.82 - | 67 | ---- | 13 | 272 + | 2 | 19 54 | 135.70 |
| MAY19 | 143.30 | 143.50B | 143.30 | 143.50 - | 85 | ---- | 2 | 21 | UNCH | 12 18 | 135.50 |
| TOTAL FDR CATTLE FUT | | | | | | 0 | 7280 | 46742 + | 458 | 11708 56155 | |

### FEEDER CATTLE CALLS

| STRIKE | OPEN | RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FDR CATTLE CALL | | | | | | | | | | | | | | |
| AUG18 | FDR CATTLE CALL | | (FUTURES SETT. | 145.775 - | 32.5 ) | | | | | | | | | |
| 1280 | ---- | | ---- | ---- | ---- | 18.05 - | 32 | .942 | ---- | ---- | 5 | UNCH | 31.12B | 11.02A |
| 1300 | ---- | | ---- | ---- | ---- | 16.20 - | 32 | .919 | ---- | ---- | 15 | UNCH | 29.37B | 9.50A |
| 1340 | ---- | | ---- | ---- | ---- | 12.65 - | 32 | .859 | ---- | ---- | 94 | UNCH | 26.02B | 7.12A |
| 1370 | ---- | | ---- | ---- | ---- | 10.17 - | 30 | .793 | ---- | ---- | 2 | UNCH | 14.37B | 5.60A |
| 1380 | ---- | | ---- | ---- | ---- | 9.40 - | 27 | .767 | ---- | 23 | 34 - | 14 | 22.77B | 5.12A |
| 1390 | ---- | | ---- | ---- | ---- | 8.65 - | 27 | .740 | ---- | ---- | 3 | UNCH | 12.72B | 4.70A |
| 1400 | ---- | | ---- | ---- | ---- | 7.90 - | 27 | .712 | ---- | ---- | 130 | UNCH | 21.20B | 4.32A |
| 1410 | ---- | | ---- | ---- | ---- | 7.22 - | 25 | .681 | ---- | ---- | 27 | UNCH | 11.05B | 3.90A |
| 1420 | ---- | | ---- | ---- | ---- | 6.57 - | 27 | .648 | ---- | ---- | 177 | UNCH | 19.67B | 3.55A |
| 1430 | ---- | | ---- | ---- | ---- | 5.95 - | 25 | .614 | ---- | ---- | 59 | UNCH | 9.75B | 3.22A |
| 1435 | ---- | | ---- | ---- | ---- | 5.62 - | 25 | .596 | ---- | ---- | 1 | UNCH | 9.20B | 4.50A |
| 1440 | ---- | | ---- | ---- | ---- | 5.32 - | 25 | .579 | ---- | 6 | 437 | UNCH | 18.20B | 2.90A |
| 1450 | ---- | | ---- | ---- | ---- | 4.75 - | 25 | .543 | ---- | 30 | 251 + | 29 | 8.55B | 2.62A |
| 1460 | ---- | | ---- | ---- | ---- | 4.20 - | 27 | .506 | ---- | 2 | 299 | UNCH | 16.77B | 2.35A |
| 1470 | ---- | | ---- | ---- | ---- | 3.72 - | 27 | .469 | ---- | ---- | 75 | UNCH | 7.42B | 2.12A |
| 1480 | ---- | | ---- | ---- | ---- | 3.27 - | 27 | .431 | ---- | 11 | 314 + | 5 | 15.42B | 1.85 |
| 1485 | ---- | | ---- | ---- | ---- | 3.07 - | 25 | .413 | ---- | ---- | 30 | UNCH | 5.95B | 2.50A |
| 1490 | ---- | | ---- | ---- | ---- | 2.87 - | 25 | .395 | ---- | 5 | 84 + | 3 | 6.37B | 1.70A |
| 1495 | ---- | | ---- | ---- | ---- | 2.70 - | 22 | .377 | ---- | ---- | 5 | UNCH | 5.32B | 2.20A |
| 1500 | ---- | | ---- | ---- | ---- | 2.52 - | 20 | .360 | ---- | 23 | 731 + | 6 | 14.10B | 1.45 |
| 1505 | ---- | | ---- | ---- | ---- | 2.35 - | 20 | .342 | ---- | 1 | 17 + | 1 | 4.80B | 1.95A |
| 1510 | ---- | | ---- | ---- | ---- | 2.17 - | 20 | .325 | ---- | 1 | 109 - | 1 | 5.47B | 1.32A |
| 1515 | ---- | | ---- | ---- | ---- | 2.02 - | 17 | .308 | ---- | ---- | 6 | UNCH | 4.37B | 1.70A |
| 1520 | ---- | | ---- | ---- | ---- | 1.87 - | 17 | .291 | ---- | 6 | 643 | UNCH | 12.82B | 1.12 |
| 1525 | ---- | | ---- | ---- | ---- | 1.72 - | 17 | .275 | ---- | ---- | 2 | UNCH | 3.85B | 1.47A |
| 1530 | ---- | | ---- | ---- | ---- | 1.60 - | 17 | .259 | ---- | 1 | 85 | UNCH | 4.60B | 1.05A |
| 1535 | ---- | | ---- | ---- | ---- | 1.47 - | 17 | .244 | ---- | ---- | 1 | UNCH | 3.42B | 1.27A |
| 1540 | ---- | | ---- | ---- | ---- | 1.37 - | 15 | .231 | ---- | 5 | 592 + | 4 | 11.60B | 1.00 |
| 1545 | ---- | | ---- | ---- | ---- | 1.27 - | 12 | .217 | ---- | ---- | 2 | UNCH | 3.02B | 1.10A |
| 1550 | ---- | | ---- | ---- | ---- | 1.17 - | 12 | .204 | ---- | 10 | 134 + | 5 | 3.95 | .87A |
| 1555 | ---- | | ---- | ---- | ---- | 1.07 - | 12 | .190 | ---- | ---- | 34 | UNCH | 2.85B | .95A |
| 1560 | ---- | | ---- | ---- | ---- | .97 - | 12 | .177 | ---- | 27 | 491 - | 4 | 10.42B | .72 |
| 1570 | ---- | | ---- | ---- | ---- | .82 - | 10 | .154 | ---- | ---- | 66 | UNCH | 3.22B | .65A |
| 1580 | ---- | | ---- | ---- | ---- | .67 - | 10 | .132 | ---- | 39 | 363 - | 37 | 9.30B | .60 |
| 1590 | ---- | | ---- | ---- | ---- | .55 - | 10 | .112 | ---- | ---- | 32 | UNCH | 2.70B | .55A |
| 1600 | ---- | | ---- | ---- | ---- | .45 - | 10 | .095 | ---- | 9 | 463 + | 1 | 8.27B | .45 |
| 1610 | ---- | | ---- | ---- | ---- | .37 - | 7 | .081 | ---- | ---- | 44 | UNCH | 2.17B | .37A |
| 1620 | ---- | | ---- | ---- | ---- | .30 - | 7 | .067 | ---- | 39 | 193 - | 21 | 7.20B | .30 |
| 1640 | ---- | | ---- | ---- | ---- | .22 - | 5 | .051 | ---- | 1 | 330 | UNCH | 6.25B | .20A |
| 1650 | ---- | | ---- | ---- | ---- | .20 - | 2 | .045 | ---- | ---- | 1 | UNCH | 1.42B | .22A |
| 1660 | ---- | | ---- | ---- | ---- | .17 - | 2 | .040 | ---- | ---- | 61 | UNCH | 5.37B | .15 |
| 1670 | ---- | | ---- | ---- | ---- | .15 - | 2 | .034 | ---- | ---- | 7 | UNCH | 1.12B | .15A |
| 1680 | ---- | | ---- | ---- | ---- | .12 - | 2 | .029 | ---- | ---- | 66 | UNCH | 4.70 | .12A |
| 1690 | ---- | | ---- | ---- | ---- | .10 - | 2 | .024 | ---- | ---- | 4 | UNCH | .90B | .12A |
| 1700 | ---- | | ---- | ---- | ---- | .07 - | 2 | .018 | ---- | 1 | 68 | UNCH | 3.85B | .10 |
| 1710 | ---- | | ---- | ---- | ---- | .05 - | 2 | .013 | ---- | ---- | 2 | UNCH | .75B | .12A |
| 1720 | ---- | | ---- | ---- | ---- | .02 - | 2 | .007 | ---- | 1 | 46 | UNCH | 3.17B | .10A |
| 1730 | ---- | | ---- | ---- | ---- | .02 - | 2 | .007 | ---- | ---- | 10 | UNCH | .47B | .20A |
| 1740 | ---- | | ---- | ---- | ---- | .02 - | 2 | .007 | ---- | 1 | 36 | UNCH | 2.65B | .12A |
| 1750 | ---- | | ---- | ---- | ---- | .02 | UNCH | .006 | ---- | ---- | 10 | UNCH | .42 | .07 |
| 1760 | ---- | | ---- | ---- | ---- | .02 | UNCH | .006 | ---- | ---- | 16 | UNCH | 2.15B | .10 |
| 1780 | ---- | | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 14 | UNCH | 1.67B | .15 |
| 1790 | ---- | | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 6 | UNCH | .10B | .15A |
| 1800 | ---- | | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 10 | UNCH | 1.52 | .05 |
| 1840 | ---- | | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 2 | UNCH | .82B | .20 |
| 1880 | ---- | | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .22B | .02 |
| 1920 | ---- | | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10 | UNCH | .17 | .17 |
| 2000 | ---- | | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 5 | UNCH | .07B | .02 |
| TOTAL | | | | | | | | | | 242 | 6755 - | 23 | | |
| SEP18 | FDR CATTLE CALL | | (FUTURES SETT. | 146.475 - | 20.0 ) | | | | | | | | | |
| 1340 | ---- | | ---- | ---- | ---- | 13.72 - | 22 | .835 | ---- | ---- | 3 | UNCH | 23.97B | 7.80A |
| 1360 | ---- | | ---- | ---- | ---- | 12.12 - | 20 | .795 | ---- | ---- | 3 | UNCH | 22.40B | 6.72A |
| 1400 | ---- | | ---- | ---- | ---- | 9.17 - | 22 | .702 | ---- | ---- | 17 | UNCH | 19.40B | 4.90A |
| 1420 | ---- | | ---- | ---- | ---- | 7.85 - | 22 | .648 | ---- | ---- | 31 | UNCH | 17.97B | 4.10A |
| 1430 | ---- | | ---- | ---- | ---- | 7.22 - | 22 | .620 | ---- | ---- | 12 | UNCH | 10.32B | 3.80A |
| 1440 | ---- | | ---- | ---- | ---- | 6.62 - | 25 | .591 | ---- | ---- | 40 | UNCH | 16.60B | 3.45A |
| 1460 | ---- | | ---- | ---- | ---- | 5.55 - | 20 | .532 | ---- | ---- | 43 | UNCH | 15.27B | 2.82A |
| 1470 | ---- | | ---- | ---- | ---- | 5.05 - | 17 | .502 | ---- | ---- | 12 | UNCH | 7.85B | 2.67A |
| 1480 | ---- | | ---- | ---- | ---- | 4.60 - | 15 | .472 | ---- | ---- | 107 | UNCH | 14.00B | 2.32A |
| 1490 | ---- | | ---- | ---- | ---- | 4.17 - | 12 | .442 | ---- | ---- | 2 | UNCH | 6.67B | 2.15A |
| 1500 | ---- | | ---- | ---- | ---- | 3.77 - | 10 | .413 | ---- | ---- | 136 | UNCH | 12.77B | 1.90 |
| 1510 | ---- | | ---- | ---- | ---- | 3.40 - | 7 | .384 | ---- | ---- | 49 | UNCH | 5.62B | 1.77A |
| 1520 | ---- | | ---- | ---- | ---- | 3.02 - | 7 | .355 | ---- | 1 | 230 - | 1 | 11.55B | 1.50 |
| 1530 | ---- | | ---- | ---- | ---- | 2.67 - | 10 | .326 | ---- | 11 | 26 + | 7 | 4.70 | 1.40A |
| 1540 | ---- | | ---- | ---- | ---- | 2.35 - | 10 | .298 | ---- | 10 | 100 + | 10 | 10.40B | 1.30A |
| 1550 | ---- | | ---- | ---- | ---- | 2.05 - | 12 | .271 | ---- | 2 | 18 + | 2 | 3.85B | 1.12A |
| 1560 | ---- | | ---- | ---- | ---- | 1.80 - | 12 | .246 | ---- | ---- | 97 | UNCH | 9.97B | 1.02A |
| 1570 | ---- | | ---- | ---- | ---- | 1.57 - | 12 | .222 | ---- | ---- | 15 | UNCH | 3.30B | .90A |
| 1580 | ---- | | ---- | ---- | ---- | 1.37 - | 12 | .200 | ---- | ---- | 271 | UNCH | 8.77B | .75 |
| 1590 | ---- | | ---- | ---- | ---- | 1.20 - | 12 | .180 | ---- | 2 | 4 + | 2 | 2.70B | .72A |
| 1600 | ---- | | ---- | ---- | ---- | 1.05 - | 10 | .161 | ---- | 1 | 90 - | 1 | 7.70B | .65 |
| 1610 | ---- | | ---- | ---- | ---- | .92 - | 7 | .145 | ---- | ---- | 2 | UNCH | 1.97B | .60A |
| 1620 | ---- | | ---- | ---- | ---- | .80 - | 7 | .129 | ---- | ---- | 15 | UNCH | 6.72B | .52A |
| 1630 | ---- | | ---- | ---- | ---- | .70 - | 5 | .115 | ---- | ---- | 1 | UNCH | 1.55B | .50A |
| 1640 | ---- | | ---- | ---- | ---- | .60 - | 5 | .101 | ---- | ---- | 36 | UNCH | 5.82B | .42A |
| 1650 | ---- | | ---- | ---- | ---- | .52 - | 2 | .090 | ---- | ---- | 1 | UNCH | 1.20B | .37A |
| 1660 | ---- | | ---- | ---- | ---- | .45 - | 2 | .079 | ---- | 1 | 36 - | 1 | 4.97B | .35A |
| 1670 | ---- | | ---- | ---- | ---- | .40 - | 2 | .071 | ---- | ---- | 2 | UNCH | .97B | .37A |
| 1680 | ---- | | ---- | ---- | ---- | .35 - | 2 | .063 | ---- | 2 | 18 - | 2 | 4.25B | .30A |
| 1700 | ---- | | ---- | ---- | ---- | .27 | UNCH | .050 | ---- | 3 | 31 | UNCH | 3.55B | .25 |
| 1710 | ---- | | ---- | ---- | ---- | .25 | UNCH | .046 | ---- | ---- | 1 | UNCH | .60B | .27A |
| 1720 | ---- | | ---- | ---- | ---- | .22 | UNCH | .041 | ---- | ---- | 9 | UNCH | 2.97B | .22A |
| 1730 | ---- | | ---- | ---- | ---- | .20 | UNCH | .037 | ---- | ---- | 5 | UNCH | .45B | .22A |
| 1740 | ---- | | ---- | ---- | ---- | .17 | UNCH | .033 | ---- | ---- | 15 | UNCH | 2.45B | .20A |
| 1750 | ---- | | ---- | ---- | ---- | .15 | UNCH | .028 | ---- | 3 | 3 | UNCH | .35B | .10 |
| 1760 | ---- | | ---- | ---- | ---- | .12 | UNCH | .024 | ---- | ---- | 14 | UNCH | 1.97B | .10 |
| 1780 | ---- | | ---- | ---- | ---- | .07 - | 2 | .015 | ---- | ---- | 9 | UNCH | 1.37B | .15A |
| 1820 | ---- | | ---- | ---- | ---- | .02 - | 2 | .006 | ---- | ---- | 21 | UNCH | .85B | .10 |
| 1840 | ---- | | ---- | ---- | ---- | .02 | UNCH | .005 | ---- | ---- | 5 | UNCH | .67B | .22A |
| 1880 | ---- | | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 5 | UNCH | .17B | .15 |
| 1920 | ---- | | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10 | UNCH | .20 | .20 |
| TOTAL | | | | | | | | | | 36 | 1545 + | 16 | | |

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# FEEDER CATTLE CALL OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
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## FINAL



OCT18 (FUTURES SETT. 146.475 - 12.5 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1400 | ---- | ---- | ---- | ---- | 9.62 - | 12 | .689 | ---- | ---- | 21 | UNCH | 16.87B | 5.45A |
| 1420 | ---- | ---- | ---- | ---- | 8.35 - | 7 | .639 | ---- | ---- | 19 | UNCH | 15.40B | 4.62A |
| 1440 | ---- | ---- | ---- | ---- | 7.15 - | 10 | .587 | ---- | ---- | 62 | UNCH | 14.00B | 3.90A |
| 1450 | ---- | ---- | ---- | ---- | 6.57 - | 12 | .560 | ---- | ---- | 20 | UNCH | 9.07B | 5.47A |
| 1460 | ---- | ---- | ---- | ---- | 6.05 - | 12 | .532 | ---- | ---- | 33 | UNCH | 12.65B | 3.27A |
| 1470 | ---- | ---- | ---- | ---- | 5.55 - | 12 | .505 | ---- | ---- | 5 | UNCH | 7.80B | 4.62A |
| 1480 | ---- | ---- | ---- | ---- | 5.07 - | 12 | .477 | ---- | ---- | 83 | UNCH | 11.35B | 2.70A |
| 1500 | ---- | ---- | ---- | ---- | 4.20 - | 10 | .422 | ---- | 25 | 164 | UNCH | 10.42B | 2.22A |
| 1510 | ---- | ---- | ---- | ---- | 3.80 - | 10 | .395 | ---- | 14 | 14 + | 12 | 5.70B | 3.15A |
| 1520 | ---- | ---- | ---- | ---- | 3.42 - | 10 | .368 | ---- | 3 | 141 | UNCH | 9.45B | 1.77 |
| 1530 | ---- | ---- | ---- | ---- | 3.10 - | 7 | .343 | ---- | ---- | 23 | UNCH | 4.87B | 2.55A |
| 1540 | ---- | ---- | ---- | ---- | 2.77 - | 7 | .317 | ---- | 5 | 157 + | 5 | 8.47B | 1.42 |
| 1550 | ---- | ---- | ---- | ---- | 2.50 - | 5 | .294 | ---- | ---- | 18 | UNCH | 4.05B | 2.10A |
| 1560 | ---- | ---- | ---- | ---- | 2.22 - | 5 | .270 | ---- | ---- | 138 | UNCH | 7.37B | 1.25A |
| 1570 | ---- | ---- | ---- | ---- | 1.97 - | 5 | .247 | ---- | ---- | 10 | UNCH | 3.30B | 1.67A |
| 1580 | ---- | ---- | ---- | ---- | 1.75 - | 7 | .225 | ---- | ---- | 142 | UNCH | 6.40B | .95 |
| 1590 | ---- | ---- | ---- | ---- | 1.55 - | 7 | .205 | ---- | ---- | 10 | UNCH | 2.70B | 1.35A |
| 1600 | ---- | ---- | ---- | ---- | 1.37 - | 7 | .187 | ---- | ---- | 190 | UNCH | 5.52B | .80A |
| 1620 | ---- | ---- | ---- | ---- | 1.05 - | 7 | .151 | ---- | ---- | 53 | UNCH | 4.70B | .67A |
| 1640 | ---- | ---- | ---- | ---- | .77 - | 10 | .119 | ---- | ---- | 33 | UNCH | 4.05B | .50 |
| 1660 | ---- | ---- | ---- | ---- | .60 - | 7 | .096 | ---- | ---- | 33 | UNCH | 3.37B | .42A |
| 1680 | ---- | ---- | ---- | ---- | .47 - | 5 | .078 | ---- | ---- | 27 | UNCH | 2.80B | .37A |
| 1700 | ---- | ---- | ---- | ---- | .37 - | 5 | .063 | ---- | ---- | 34 | UNCH | 2.30B | .30A |
| 1720 | ---- | ---- | ---- | ---- | .27 - | 5 | .048 | ---- | ---- | 8 | UNCH | 1.87B | .25A |
| 1730 | ---- | ---- | ---- | ---- | .25 - | 2 | .044 | ---- | ---- | 5 | UNCH | .52B | .30A |
| 1740 | ---- | ---- | ---- | ---- | .22 - | 2 | .040 | ---- | ---- | 12 | UNCH | 1.35B | .25A |
| 1760 | ---- | ---- | ---- | ---- | .17 - | 2 | .031 | ---- | ---- | 19 | UNCH | 1.15 | .15 |
| 1960 | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 5 | UNCH | .20 | .20 |
| 1980 | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 5 | UNCH | .17 | .17 |
| TOTAL | | | | | | | | | 47 | 1484 + | 17 | | |

NOV18 (FUTURES SETT. 146.500 - 15.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1400 | ---- | ---- | ---- | ---- | 9.87 - | 7 | .683 | ---- | ---- | 3 | UNCH | 14.57B | 5.90A |
| 1420 | ---- | ---- | ---- | ---- | 8.62 - | 7 | .635 | ---- | ---- | 7 | UNCH | 13.27B | 5.02A |
| 1440 | ---- | ---- | ---- | ---- | 7.47 - | 5 | .585 | ---- | ---- | 23 | UNCH | 12.00B | 4.25A |
| 1460 | ---- | ---- | ---- | ---- | 6.40 - | 5 | .533 | ---- | ---- | 1 | UNCH | 10.77B | 3.55A |
| 1480 | ---- | ---- | ---- | ---- | 5.40 - | 5 | .481 | ---- | ---- | 7 | UNCH | 9.62B | 2.95A |
| 1500 | ---- | ---- | ---- | ---- | 4.50 - | 5 | .429 | ---- | 5 | 56 + | 5 | 9.87B | 2.45 |
| 1520 | ---- | ---- | ---- | ---- | 3.70 - | 5 | .377 | ---- | ---- | 181 | UNCH | 9.57B | 2.10A |
| 1540 | ---- | ---- | ---- | ---- | 3.00 - | 5 | .326 | ---- | ---- | 178 | UNCH | 6.52B | 1.70A |
| 1560 | ---- | ---- | ---- | ---- | 2.40 - | 7 | .279 | ---- | ---- | 61 | UNCH | 5.62B | 1.40A |
| 1580 | ---- | ---- | ---- | ---- | 1.90 - | 10 | .235 | ---- | ---- | 75 | UNCH | 4.80B | 1.12A |
| 1600 | ---- | ---- | ---- | ---- | 1.50 - | 10 | .196 | ---- | ---- | 68 | UNCH | 5.00 | .85 |
| 1620 | ---- | ---- | ---- | ---- | 1.17 - | 10 | .161 | ---- | ---- | 12 | UNCH | 3.50B | .75A |
| 1640 | ---- | ---- | ---- | ---- | .92 - | 10 | .132 | ---- | ---- | 29 | UNCH | 3.45 | .62A |
| 1660 | ---- | ---- | ---- | ---- | .72 - | 10 | .108 | ---- | ---- | 21 | UNCH | 2.75 | .47 |
| 1680 | ---- | ---- | ---- | ---- | .57 - | 7 | .088 | ---- | ---- | 51 | UNCH | 1.95B | .50 |
| 1700 | ---- | ---- | ---- | ---- | .45 - | 7 | .071 | ---- | ---- | 25 | UNCH | 1.90 | .45A |
| 1720 | ---- | ---- | ---- | ---- | .35 - | 7 | .057 | ---- | ---- | 1 | UNCH | 1.27B | .35A |
| 1740 | ---- | ---- | ---- | ---- | .27 - | 5 | .046 | ---- | ---- | 6 | UNCH | 1.02B | .30A |
| 1760 | ---- | ---- | ---- | ---- | .20 - | 5 | .035 | ---- | ---- | 17 | UNCH | .95 | .25 |
| 1820 | ---- | ---- | ---- | ---- | .07 - | 2 | .014 | ---- | ---- | 25 | UNCH | .37B | .20 |
| 1840 | ---- | ---- | ---- | ---- | .05 - | 2 | .010 | ---- | ---- | 5 | UNCH | .42B | .15 |
| 1860 | ---- | ---- | ---- | ---- | .02 - | 2 | .005 | ---- | ---- | 10 | UNCH | .35B | .15 |
| 1880 | ---- | ---- | ---- | ---- | .02 | UNCH | .005 | ---- | ---- | 5 | UNCH | .30B | .10 |
| 1900 | ---- | ---- | ---- | ---- | .02 | UNCH | .005 | ---- | ---- | 5 | UNCH | .27B | .27 |
| 1920 | ---- | ---- | ---- | CAB | | ---- | .002 | ---- | ---- | 5 | UNCH | .25B | .25 |
| 1940 | ---- | ---- | ---- | CAB | | ---- | .002 | ---- | ---- | 5 | UNCH | .22B | .22 |
| 1960 | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 5 | UNCH | .20B | .15 |
| 1980 | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 15 | UNCH | .20B | .12 |
| 2000 | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 15 | UNCH | .17B | .17 |
| TOTAL | | | | | | | | | 5 | 917 + | 5 | | |

JAN19 (FUTURES SETT. 144.325 - 20.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1400 | ---- | ---- | ---- | ---- | 9.05 - | 15 | .624 | ---- | ---- | 6 | UNCH | 10.17B | 5.17A |
| 1420 | ---- | ---- | ---- | ---- | 7.90 - | 12 | .578 | ---- | ---- | 33 | UNCH | 9.25B | 4.42A |
| 1440 | ---- | ---- | ---- | ---- | 6.82 - | 12 | .530 | ---- | ---- | 29 | UNCH | 8.10B | 3.70A |
| 1480 | ---- | ---- | ---- | ---- | 4.95 - | 10 | .434 | ---- | 2 | 26 + | 2 | 6.02B | 2.57A |
| 1500 | ---- | ---- | ---- | ---- | 4.15 - | 10 | .386 | ---- | 1 | 70 + | 1 | 5.15B | 2.00 |
| 1520 | ---- | ---- | ---- | ---- | 3.45 - | 10 | .340 | ---- | 5 | 103 + | 5 | 4.35B | 1.77A |
| 1540 | ---- | ---- | ---- | ---- | 2.85 - | 7 | .297 | ---- | ---- | 58 | UNCH | 3.67B | 1.42A |
| 1560 | ---- | ---- | ---- | ---- | 2.35 - | 5 | .257 | ---- | 1 | 20 | UNCH | 3.05B | 1.27A |
| 1580 | ---- | ---- | ---- | ---- | 1.92 - | 2 | .221 | ---- | ---- | 12 | UNCH | 2.50B | 1.00 |
| 1600 | ---- | ---- | ---- | ---- | 1.57 | UNCH | .188 | ---- | ---- | 21 | UNCH | 2.02B | .80 |
| 1620 | ---- | ---- | ---- | ---- | 1.30 + | 2 | .161 | ---- | ---- | 2 | UNCH | 1.62 | .70A |
| 1640 | ---- | ---- | ---- | ---- | 1.05 + | 2 | .135 | ---- | ---- | 20 | UNCH | 1.35 | .60A |
| 1660 | ---- | ---- | ---- | ---- | .85 + | 2 | .113 | ---- | 2 | 8 + | 2 | 1.15 | .65A |
| 1740 | ---- | ---- | ---- | ---- | .35 | UNCH | .052 | ---- | ---- | 17 | UNCH | .60B | .25 |
| 1760 | ---- | ---- | ---- | ---- | .27 | UNCH | .042 | ---- | ---- | 6 | UNCH | .55 | .30A |
| 1780 | ---- | ---- | ---- | ---- | .22 + | 2 | .035 | ---- | ---- | 4 | UNCH | .45 | .25A |
| 1800 | ---- | ---- | ---- | ---- | .17 + | 2 | .028 | ---- | ---- | 17 | UNCH | .40 | .15 |
| 1820 | ---- | ---- | ---- | ---- | .12 | UNCH | .021 | ---- | ---- | 9 | UNCH | 1.05B | .25 |
| 1840 | ---- | ---- | ---- | ---- | .10 + | 2 | .017 | ---- | ---- | 26 | UNCH | .22 | .20 |
| 1900 | ---- | ---- | ---- | ---- | .05 + | 2 | .009 | ---- | ---- | 5 | UNCH | .15 | .15 |
| TOTAL | | | | | | | | | 11 | 492 + | 10 | | |

MAR19 (FUTURES SETT. 143.400 - 50.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1440 | ---- | ---- | ---- | ---- | 6.50 - | 27 | .509 | ---- | ---- | 108 | UNCH | 7.92B | 5.65A |
| 1500 | ---- | ---- | ---- | ---- | 3.97 - | 17 | .370 | ---- | ---- | 77 | UNCH | 5.10B | 3.42A |
| 1520 | ---- | ---- | ---- | ---- | 3.32 - | 15 | .326 | ---- | ---- | 3 | UNCH | 4.32B | 2.87A |
| 1540 | ---- | ---- | ---- | ---- | 2.75 - | 15 | .284 | ---- | ---- | 5 | UNCH | 3.70 | 2.45A |
| 1560 | ---- | ---- | ---- | ---- | 2.27 - | 12 | .247 | ---- | ---- | 19 | UNCH | 3.17 | .95 |
| 1580 | ---- | ---- | ---- | ---- | 1.87 - | 10 | .212 | ---- | ---- | 4 | UNCH | 2.52B | .80 |
| 1600 | ---- | ---- | ---- | ---- | 1.52 - | 10 | .181 | ---- | ---- | 7 | UNCH | 2.02B | 1.45A |
| 1620 | ---- | ---- | ---- | ---- | 1.25 - | 7 | .154 | ---- | ---- | 2 | UNCH | 1.70B | 1.17A |
| 1640 | ---- | ---- | ---- | ---- | 1.02 - | 5 | .130 | ---- | ---- | 2 | UNCH | 1.35 | .97A |
| 1660 | ---- | ---- | ---- | ---- | .82 - | 5 | .109 | ---- | ---- | 4 | UNCH | 1.12 | .80A |
| 1680 | ---- | ---- | ---- | ---- | .67 - | 2 | .091 | ---- | ---- | 4 | UNCH | .92 | .70A |
| 1740 | ---- | ---- | ---- | ---- | .32 - | 2 | .049 | ---- | ---- | 6 | UNCH | .32 | .27 |
| 1760 | ---- | ---- | ---- | ---- | .25 - | 2 | .039 | ---- | ---- | 3 | UNCH | .25 | .25 |
| 1820 | ---- | ---- | ---- | ---- | .10 | UNCH | .017 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1840 | ---- | ---- | ---- | ---- | .07 | UNCH | .013 | ---- | ---- | 2 | UNCH | .22 | .22 |
| 1860 | ---- | ---- | ---- | ---- | .05 | UNCH | .009 | ---- | ---- | 61 | UNCH | .22 | .20 |
| TOTAL | | | | | | | | | 0 | 311 | | | |

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# FEEDER CATTLE PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = FEEDER CATTLE = $6.25, PORK CUTOUT = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### FEEDER CATTLE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FDR CATTLE PUT | | | | | | | | | | | | | |
| AUG18 | FDR CATTLE PUT | (FUTURES SETT. | 145.775 - | 32.5 ) | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 3 | UNCH | .57B | .25A |
| 1120 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 1 | UNCH | .72B | .15A |
| 1130 | ---- | ---- | ---- | ---- | .02 + | 2 | .004 | ---- | ---- | 22 | UNCH | .60B | .17 |
| 1140 | ---- | ---- | ---- | ---- | .02 + | 2 | .005 | ---- | ---- | 12 | UNCH | .87 | .05 |
| 1160 | ---- | ---- | ---- | ---- | .02 | UNCH | .005 | ---- | ---- | 17 | UNCH | 1.02B | .07 |
| 1170 | ---- | ---- | ---- | ---- | .05 | UNCH | .009 | ---- | ---- | 3 | UNCH | 1.12B | .10 |
| 1180 | ---- | ---- | ---- | ---- | .05 | UNCH | .010 | ---- | ---- | 33 | UNCH | 1.27B | .10A |
| 1190 | ---- | ---- | ---- | ---- | .05 | UNCH | .010 | ---- | ---- | 4 | UNCH | 1.42B | .12A |
| 1200 | ---- | ---- | ---- | ---- | .07 | UNCH | .014 | ---- | 1 | 141 - | 1 | 1.70 | .07 |
| 1210 | ---- | ---- | ---- | ---- | .10 | UNCH | .018 | ---- | ---- | 13 | UNCH | 1.82B | .15A |
| 1220 | ---- | ---- | ---- | ---- | .10 | UNCH | .019 | ---- | 1 | 107 | UNCH | 2.05 | .15A |
| 1230 | ---- | ---- | ---- | ---- | .12 | UNCH | .024 | ---- | ---- | 56 | UNCH | 2.27B | .20 |
| 1240 | ---- | ---- | ---- | ---- | .15 | UNCH | .028 | ---- | ---- | 245 | UNCH | 2.55B | .12 |
| 1250 | ---- | ---- | ---- | ---- | .17 | UNCH | .033 | ---- | ---- | 95 | UNCH | 2.80B | .25 |
| 1260 | ---- | ---- | ---- | ---- | .22 + | 2 | .041 | ---- | ---- | 361 | UNCH | 3.12 | .20 |
| 1270 | ---- | ---- | ---- | ---- | .27 + | 2 | .049 | ---- | 15 | 78 + | 15 | 3.42B | .27A |
| 1280 | ---- | ---- | ---- | ---- | .32 | UNCH | .057 | ---- | 1 | 362 - | 1 | 3.77B | .25 |
| 1290 | ---- | ---- | ---- | ---- | .40 | UNCH | .068 | ---- | ---- | 18 | UNCH | 4.12B | .30 |
| 1300 | ---- | ---- | ---- | ---- | .47 | UNCH | .080 | ---- | 10 | 651 + | 5 | 4.62 | .32 |
| 1310 | ---- | ---- | ---- | ---- | .57 | UNCH | .094 | ---- | ---- | 49 | UNCH | 4.87B | .40A |
| 1320 | ---- | ---- | ---- | ---- | .65 - | 2 | .106 | ---- | 6 | 576 - | 4 | 5.27B | .45A |
| 1330 | ---- | ---- | ---- | ---- | .77 | UNCH | .123 | ---- | ---- | 140 | UNCH | 5.70B | .52A |
| 1340 | ---- | ---- | ---- | ---- | .90 | UNCH | .140 | ---- | 6 | 532 - | 4 | 6.20 | .60 |
| 1350 | ---- | ---- | ---- | ---- | 1.05 | UNCH | .160 | ---- | ---- | 249 | UNCH | 6.62B | .70 |
| 1360 | ---- | ---- | ---- | ---- | 1.22 | UNCH | .182 | ---- | 24 | 561 + | 6 | 7.15B | .82A |
| 1365 | ---- | ---- | ---- | ---- | 1.32 + | 2 | .194 | ---- | ---- | 28 | UNCH | 2.47B | .87A |
| 1370 | ---- | ---- | ---- | ---- | 1.42 + | 2 | .206 | ---- | ---- | 339 | UNCH | 7.67B | .92A |
| 1375 | ---- | ---- | ---- | ---- | 1.52 + | 2 | .218 | ---- | ---- | 12 | UNCH | 2.77B | 1.00A |
| 1380 | ---- | ---- | ---- | ---- | 1.65 + | 5 | .232 | ---- | 48 | 1025 - | 27 | 8.25 | 1.05 |
| 1385 | ---- | ---- | ---- | ---- | 1.77 + | 5 | .245 | ---- | ---- | 19 | UNCH | 3.15B | 1.15A |
| 1390 | ---- | ---- | ---- | ---- | 1.90 + | 5 | .259 | ---- | ---- | 85 | UNCH | 8.77B | 1.25A |
| 1395 | ---- | ---- | ---- | ---- | 2.02 + | 5 | .273 | ---- | ---- | 13 | UNCH | 3.52B | 1.32A |
| 1400 | ---- | ---- | ---- | ---- | 2.15 + | 5 | .287 | ---- | 36 | 1588 - | 7 | 9.37B | 1.42A |
| 1405 | ---- | ---- | ---- | ---- | 2.30 + | 5 | .303 | ---- | ---- | 40 | UNCH | 3.92B | 1.52A |
| 1410 | ---- | ---- | ---- | ---- | 2.45 + | 5 | .318 | ---- | 15 | 171 + | 15 | 9.97B | 1.62A |
| 1415 | ---- | ---- | ---- | ---- | 2.62 + | 5 | .335 | ---- | ---- | 26 | UNCH | 4.40B | 1.72A |
| 1420 | ---- | ---- | ---- | ---- | 2.80 + | 5 | .351 | ---- | 46 | 453 + | 21 | 10.65B | 1.82A |
| 1425 | ---- | ---- | ---- | ---- | 2.97 + | 5 | .368 | ---- | ---- | 6 | UNCH | 4.82B | 1.95A |
| 1430 | ---- | ---- | ---- | ---- | 3.17 + | 7 | .385 | ---- | 9 | 131 - | 1 | 11.25B | 2.07A |
| 1435 | ---- | ---- | ---- | ---- | 3.37 + | 10 | .403 | ---- | ---- | 3 | UNCH | 5.35B | 2.20A |
| 1440 | ---- | ---- | ---- | ---- | 3.57 + | 10 | .420 | ---- | 3 | 515 - | 3 | 12.00B | 2.32A |
| 1445 | ---- | ---- | ---- | ---- | 3.77 + | 10 | .438 | ---- | ---- | 10 | UNCH | 5.97B | 2.50A |
| 1450 | ---- | ---- | ---- | ---- | 3.97 + | 7 | .456 | ---- | 21 | 274 + | 13 | 12.67B | 2.65A |
| 1455 | ---- | ---- | ---- | ---- | 4.20 + | 7 | .475 | ---- | ---- | 1 | UNCH | 6.57B | 2.80A |
| 1460 | ---- | ---- | ---- | ---- | 4.42 + | 5 | .493 | ---- | 44 | 590 - | 9 | 13.27B | 2.95 |
| 1465 | ---- | ---- | ---- | ---- | 4.67 + | 5 | .512 | ---- | ---- | 6 | UNCH | 7.72B | 3.15A |
| 1470 | ---- | ---- | ---- | ---- | 4.95 + | 5 | .530 | ---- | 26 | 169 - | 6 | 14.02B | 3.30 |
| 1475 | ---- | ---- | ---- | ---- | 5.20 + | 2 | .549 | ---- | ---- | 9 | UNCH | 7.72B | 3.52A |
| 1480 | ---- | ---- | ---- | ---- | 5.50 + | 5 | .568 | ---- | ---- | 468 | UNCH | 14.77B | 3.70A |
| 1485 | ---- | ---- | ---- | ---- | 5.80 + | 7 | .586 | ---- | ---- | 18 | UNCH | 8.50B | 3.90A |
| 1490 | ---- | ---- | ---- | ---- | 6.10 + | 7 | .604 | ---- | ---- | 22 | UNCH | 15.52B | 4.12A |
| 1495 | ---- | ---- | ---- | ---- | 6.40 + | 7 | .622 | ---- | ---- | 2 | UNCH | 9.22B | 4.35A |
| 1500 | ---- | ---- | ---- | ---- | 6.72 + | 10 | .639 | ---- | 5 | 396 - | 5 | 16.35B | 4.57A |
| 1505 | ---- | ---- | ---- | ---- | 7.05 + | 12 | .657 | ---- | ---- | 2 | UNCH | 9.70B | 4.80A |
| 1510 | ---- | ---- | ---- | ---- | 7.40 + | 15 | .674 | ---- | ---- | 24 | UNCH | 17.17B | 5.05A |
| 1515 | ---- | ---- | ---- | ---- | 7.72 + | 15 | .691 | ---- | ---- | 2 | UNCH | 10.45B | 5.37A |
| 1520 | ---- | ---- | ---- | ---- | 8.07 + | 15 | .708 | ---- | ---- | 387 | UNCH | 18.00B | 5.57A |
| 1530 | ---- | ---- | ---- | ---- | 8.80 + | 15 | .740 | ---- | ---- | 37 | UNCH | 18.90B | 6.12A |
| 1540 | ---- | ---- | ---- | ---- | 9.57 + | 17 | .768 | ---- | 2 | 289 | UNCH | 19.72B | 6.60A |
| 1560 | ---- | ---- | ---- | ---- | 11.17 + | 20 | .822 | ---- | ---- | 17 | UNCH | 21.45B | 7.55A |
| 1570 | ---- | ---- | ---- | ---- | 12.02 + | 22 | .845 | ---- | ---- | 1 | UNCH | 22.35B | 8.67A |
| 1580 | ---- | ---- | ---- | ---- | 12.87 + | 22 | .867 | ---- | ---- | 90 | UNCH | 23.32B | 8.47A |
| 1600 | ---- | ---- | ---- | ---- | 14.65 + | 22 | .904 | ---- | ---- | 18 | UNCH | 25.12B | 9.62A |
| 1640 | ---- | ---- | ---- | ---- | 18.40 + | 27 | .948 | ---- | ---- | 1 | UNCH | 28.95B | 11.97A |
| TOTAL | | | | | | | | | 319 | 11616 + | 7 | | |
| SEP18 | FDR CATTLE PUT | (FUTURES SETT. | 146.475 - | 20.0 ) | | | | | | | | | |
| 1140 | ---- | ---- | ---- | ---- | .05 + | 2 | .008 | ---- | ---- | 8 | UNCH | .90B | .25A |
| 1160 | ---- | ---- | ---- | ---- | .05 | UNCH | .009 | ---- | ---- | 13 | UNCH | 1.10B | .12A |
| 1180 | ---- | ---- | ---- | ---- | .10 | UNCH | .016 | ---- | ---- | 35 | UNCH | 1.35B | .15A |
| 1200 | ---- | ---- | ---- | ---- | .15 | UNCH | .024 | ---- | ---- | 30 | UNCH | 1.62B | .10 |
| 1210 | ---- | ---- | ---- | ---- | .17 | UNCH | .028 | ---- | ---- | 4 | UNCH | 1.00B | .22A |
| 1220 | ---- | ---- | ---- | ---- | .22 + | 2 | .034 | ---- | ---- | 26 | UNCH | 2.00 | .25 |
| 1230 | ---- | ---- | ---- | ---- | .27 + | 2 | .041 | ---- | ---- | 5 | UNCH | 1.32B | .27A |
| 1240 | ---- | ---- | ---- | ---- | .32 + | 2 | .048 | ---- | 2 | 56 - | 2 | 2.45 | .30 |
| 1250 | ---- | ---- | ---- | ---- | .37 + | 2 | .055 | ---- | ---- | 2 | UNCH | 1.72B | .37A |
| 1260 | ---- | ---- | ---- | ---- | .45 + | 5 | .064 | ---- | ---- | 59 | UNCH | 2.92B | .30 |
| 1270 | ---- | ---- | ---- | ---- | .52 + | 5 | .073 | ---- | ---- | 20 | UNCH | 2.20B | .42A |
| 1280 | ---- | ---- | ---- | ---- | .60 + | 5 | .083 | ---- | ---- | 70 | UNCH | 3.52B | .42A |
| 1290 | ---- | ---- | ---- | ---- | .67 + | 2 | .093 | ---- | ---- | 8 | UNCH | 2.87B | .47A |
| 1300 | ---- | ---- | ---- | ---- | .77 + | 2 | .105 | ---- | ---- | 103 | UNCH | 4.17B | .50 |
| 1310 | ---- | ---- | ---- | ---- | .87 | UNCH | .117 | ---- | ---- | 22 | UNCH | 3.57B | .62A |
| 1320 | ---- | ---- | ---- | ---- | 1.00 | UNCH | .131 | ---- | 3 | 206 + | 1 | 5.07 | .70A |
| 1330 | ---- | ---- | ---- | ---- | 1.15 | UNCH | .148 | ---- | ---- | 13 | UNCH | 4.32B | .80A |
| 1340 | ---- | ---- | ---- | ---- | 1.30 - | 2 | .164 | ---- | 5 | 141 + | 2 | 5.72B | .90A |
| 1350 | ---- | ---- | ---- | ---- | 1.50 | UNCH | .184 | ---- | ---- | 11 | UNCH | 5.20B | 1.05A |
| 1360 | ---- | ---- | ---- | ---- | 1.70 | UNCH | .204 | ---- | ---- | 96 | UNCH | 6.72 | 1.20A |
| 1370 | ---- | ---- | ---- | ---- | 1.92 | UNCH | .225 | ---- | 16 | 47 + | 16 | 6.12B | 1.37A |
| 1380 | ---- | ---- | ---- | ---- | 2.17 | UNCH | .248 | ---- | 10 | 87 + | 10 | 7.60B | 1.55A |
| 1390 | ---- | ---- | ---- | ---- | 2.45 | UNCH | .272 | ---- | ---- | 34 | UNCH | 7.20B | 1.75A |
| 1400 | ---- | ---- | ---- | ---- | 2.72 - | 2 | .297 | ---- | 1 | 210 - | 1 | 8.70B | 1.90 |
| 1410 | ---- | ---- | ---- | ---- | 3.05 - | 2 | .323 | ---- | 10 | 35 + | 10 | 8.32B | 2.20A |
| 1420 | ---- | ---- | ---- | ---- | 3.40 - | 2 | .351 | ---- | ---- | 277 | UNCH | 9.82B | 2.47A |
| 1430 | ---- | ---- | ---- | ---- | 3.77 - | 2 | .379 | ---- | 15 | 46 + | 15 | 9.60B | 2.77A |
| 1440 | ---- | ---- | ---- | ---- | 4.17 - | 2 | .408 | ---- | 2 | 84 + | 2 | 11.10B | 3.07A |
| 1450 | ---- | ---- | ---- | ---- | 4.60 - | 2 | .437 | ---- | ---- | 30 | UNCH | 11.02B | 3.40A |
| 1460 | ---- | ---- | ---- | ---- | 5.07 | UNCH | .467 | ---- | 10 | 245 + | 10 | 12.45B | 3.75A |
| 1470 | ---- | ---- | ---- | ---- | 5.57 + | 2 | .497 | ---- | ---- | 26 | UNCH | 12.30B | 4.05 |
| 1480 | ---- | ---- | ---- | ---- | 6.12 + | 5 | .527 | ---- | 1 | 108 | UNCH | 13.80B | 4.52A |
| 1490 | ---- | ---- | ---- | ---- | 6.70 + | 7 | .557 | ---- | ---- | 7 | UNCH | 13.87B | 4.95A |
| 1500 | ---- | ---- | ---- | ---- | 7.30 + | 12 | .586 | ---- | ---- | 89 | UNCH | 15.30B | 5.42A |
| 1520 | ---- | ---- | ---- | ---- | 8.52 + | 12 | .644 | ---- | ---- | 234 | UNCH | 16.87B | 6.27A |
| 1540 | ---- | ---- | ---- | ---- | 9.85 + | 10 | .701 | ---- | ---- | 19 | UNCH | 18.52B | 7.05A |
| 1560 | ---- | ---- | ---- | ---- | 11.30 + | 7 | .753 | ---- | ---- | 5 | UNCH | 20.25B | 7.90A |
| TOTAL | | | | | | | | | 75 | 2511 + | 63 | | |
| OCT18 | FDR CATTLE PUT | (FUTURES SETT. | 146.475 - | 12.5 ) | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | .02 + | 2 | .004 | ---- | ---- | 10 | UNCH | .57B | .27 |
| 1180 | ---- | ---- | ---- | ---- | .15 + | 2 | .023 | ---- | ---- | 3 | UNCH | 1.37B | .20A |
| 1200 | ---- | ---- | ---- | ---- | .20 + | 2 | .030 | ---- | ---- | 29 | UNCH | 1.65B | .27A |
| 1220 | ---- | ---- | ---- | ---- | .27 + | 2 | .040 | ---- | ---- | 65 | UNCH | 1.97B | .35A |
| 1240 | ---- | ---- | ---- | ---- | .37 | UNCH | .053 | ---- | ---- | 12 | UNCH | 2.35B | .27 |
| 1260 | ---- | ---- | ---- | ---- | .52 | UNCH | .071 | ---- | ---- | 44 | UNCH | 2.75B | .45 |
| 1280 | ---- | ---- | ---- | ---- | .72 | UNCH | .093 | ---- | ---- | 71 | UNCH | 3.22B | .50 |
| 1290 | ---- | ---- | ---- | ---- | .82 | UNCH | .104 | ---- | ---- | 5 | UNCH | 1.42B | .62A |

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# FEEDER CATTLE PUT OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (FUTURES SETT. | 146.475 - | 12.5 ) | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | .95 + | 2 | .118 | ---- | ---- | 197 | UNCH | 3.87B | .67 | |
| 1320 | ---- | ---- | ---- | ---- | 1.22 + | 2 | .146 | ---- | ---- | 82 | UNCH | 4.57B | .90A | |
| 1330 | ---- | ---- | ---- | ---- | 1.40 + | 2 | .163 | ---- | ---- | 2 | UNCH | 2.32B | 1.02A | |
| 1340 | ---- | ---- | ---- | ---- | 1.57 | UNCH | .180 | ---- | ---- | 139 | UNCH | 5.35B | 1.15A | |
| 1350 | ---- | ---- | ---- | ---- | 1.80 | UNCH | .200 | ---- | ---- | 10 | UNCH | 2.90B | 1.32A | |
| 1360 | ---- | ---- | ---- | ---- | 2.02 | UNCH | .220 | ---- | 4 | 93 + | 4 | 6.52B | 1.45 | |
| 1370 | ---- | ---- | ---- | ---- | 2.27 | UNCH | .241 | ---- | ---- | 4 | UNCH | 3.57B | 1.67A | |
| 1380 | ---- | ---- | ---- | ---- | 2.55 | UNCH | .263 | ---- | ---- | 70 | UNCH | 6.85B | 1.90A | |
| 1390 | ---- | ---- | ---- | ---- | 2.85 | UNCH | .286 | ---- | ---- | 3 | UNCH | 4.32B | 2.15A | |
| 1400 | 3.40 | 3.40 | *3.40 | ---- | 3.17 | UNCH | .310 | ---- | 2 | 311 - | 1 | 8.10 | 2.37A | |
| 1410 | ---- | ---- | ---- | ---- | 3.52 + | 2 | .335 | ---- | ---- | 7 | UNCH | 5.07B | 2.65A | |
| 1420 | ---- | ---- | ---- | ---- | 3.90 + | 5 | .360 | ---- | 6 | 209 | UNCH | 8.87B | 2.90 | |
| 1430 | ---- | ---- | ---- | ---- | 4.27 + | 2 | .386 | ---- | ---- | 17 | UNCH | 6.00B | 3.25A | |
| 1440 | ---- | ---- | ---- | ---- | 4.67 | UNCH | .412 | ---- | 1 | 185 + | 1 | 10.00B | 3.57 | |
| 1450 | ---- | ---- | ---- | ---- | 5.12 + | 2 | .439 | ---- | ---- | 31 | UNCH | 7.05B | 3.92A | |
| 1460 | ---- | ---- | ---- | ---- | 5.57 | UNCH | .467 | ---- | 4 | 151 + | 4 | 11.20B | 4.30A | |
| 1470 | ---- | ---- | ---- | ---- | 6.07 | UNCH | .494 | ---- | ---- | 13 | UNCH | 8.17B | 4.72A | |
| 1480 | ---- | ---- | ---- | ---- | 6.57 - | 2 | .522 | ---- | ---- | 168 | UNCH | 12.52B | 5.00A | |
| 1490 | ---- | ---- | ---- | ---- | 7.12 | UNCH | .549 | ---- | ---- | 8 | UNCH | 9.37B | 5.60A | |
| 1500 | ---- | ---- | ---- | ---- | 7.70 + | 2 | .577 | ---- | ---- | 107 | UNCH | 14.05B | 5.75A | |
| 1520 | ---- | ---- | ---- | ---- | 8.92 + | 2 | .631 | ---- | ---- | 18 | UNCH | 15.62B | 6.57A | |
| 1540 | ---- | ---- | ---- | ---- | 10.27 + | 7 | .682 | ---- | ---- | 4 | UNCH | 17.27B | 7.32A | |
| TOTAL | | | | | | | | | 17 | 2068 + | 8 | | | |
| NOV18 | | (FUTURES SETT. | 146.500 - | 15.0 ) | | | | | | | | | | |
| 1140 | ---- | ---- | ---- | ---- | .10 + | 2 | .015 | ---- | ---- | 30 | UNCH | .92 | .25 | |
| 1180 | ---- | ---- | ---- | ---- | .20 + | 2 | .028 | ---- | ---- | 1 | UNCH | .77B | .50A | |
| 1200 | ---- | ---- | ---- | ---- | .27 + | 2 | .037 | ---- | ---- | 40 | UNCH | 1.02B | .35A | |
| 1220 | ---- | ---- | ---- | ---- | .37 + | 2 | .050 | ---- | ---- | 9 | UNCH | 1.85B | .30 | |
| 1240 | ---- | ---- | ---- | ---- | .47 | UNCH | .062 | ---- | ---- | 32 | UNCH | 2.25B | .57A | |
| 1260 | ---- | ---- | ---- | ---- | .62 | UNCH | .079 | ---- | ---- | 37 | UNCH | 3.00 | .65 | |
| 1280 | ---- | ---- | ---- | ---- | .82 | UNCH | .101 | ---- | ---- | 30 | UNCH | 3.32B | .75A | |
| 1300 | ---- | ---- | ---- | ---- | 1.05 - | 2 | .124 | ---- | ---- | 323 | UNCH | 3.97B | .80A | |
| 1320 | ---- | ---- | ---- | ---- | 1.37 | UNCH | .155 | ---- | ---- | 16 | UNCH | 4.65B | 1.05A | |
| 1340 | ---- | ---- | ---- | ---- | 1.75 | UNCH | .189 | ---- | ---- | 33 | UNCH | 5.70 | 1.35A | |
| 1360 | ---- | ---- | ---- | ---- | 2.22 + | 2 | .228 | ---- | ---- | 142 | UNCH | 5.90B | 1.65 | |
| 1380 | ---- | ---- | ---- | ---- | 2.77 + | 5 | .270 | ---- | ---- | 79 | UNCH | 6.70 | 2.12 | |
| 1400 | ---- | ---- | ---- | ---- | 3.42 + | 7 | .316 | ---- | 1 | 133 | UNCH | 7.35B | 2.65A | |
| 1420 | ---- | ---- | ---- | ---- | 4.17 + | 10 | .364 | ---- | ---- | 118 | UNCH | 8.35B | 3.25A | |
| 1440 | ---- | ---- | ---- | ---- | 5.00 + | 10 | .414 | ---- | ---- | 80 | UNCH | 9.47B | 3.87 | |
| 1460 | ---- | ---- | ---- | ---- | 5.90 + | 10 | .466 | ---- | 2 | 80 + | 2 | 10.77B | 4.67A | |
| 1480 | ---- | ---- | ---- | ---- | 6.90 + | 10 | .518 | ---- | ---- | 70 | UNCH | 11.95B | 5.45A | |
| 1500 | ---- | ---- | ---- | ---- | 7.97 + | 10 | .570 | ---- | ---- | 40 | UNCH | 13.82B | 6.20A | |
| 1520 | ---- | ---- | ---- | ---- | 9.17 + | 10 | .622 | ---- | ---- | 52 | UNCH | 14.95B | 7.05A | |
| 1540 | ---- | ---- | ---- | ---- | 10.45 + | 10 | .673 | ---- | ---- | 9 | UNCH | 16.57B | 7.95A | |
| 1560 | ---- | ---- | ---- | ---- | 11.85 + | 7 | .720 | ---- | ---- | 6 | UNCH | 18.25B | 8.92A | |
| TOTAL | | | | | | | | | 3 | 1360 + | 2 | | | |
| JAN19 | | (FUTURES SETT. | 144.325 - | 20.0 ) | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | .12 | UNCH | .017 | ---- | ---- | 10 | UNCH | .35 | .35 | |
| 1160 | ---- | ---- | ---- | ---- | .37 | UNCH | .044 | ---- | ---- | 8 | UNCH | 1.12 | .47A | |
| 1180 | ---- | ---- | ---- | ---- | .50 + | 2 | .057 | ---- | ---- | 7 | UNCH | 1.42 | .60A | |
| 1200 | ---- | ---- | ---- | ---- | .62 + | 2 | .070 | ---- | ---- | 13 | UNCH | 1.75 | .70A | |
| 1220 | ---- | ---- | ---- | ---- | .77 | UNCH | .085 | ---- | ---- | 17 | UNCH | 2.15 | .87A | |
| 1240 | ---- | ---- | ---- | ---- | .97 + | 2 | .104 | ---- | 2 | 50 + | 2 | 2.60 | 1.02A | |
| 1260 | ---- | ---- | ---- | ---- | 1.20 + | 2 | .125 | ---- | ---- | 4 | UNCH | 3.10 | 1.35A | |
| 1280 | ---- | ---- | ---- | ---- | 1.50 + | 2 | .151 | ---- | ---- | 10 | UNCH | 3.62B | 1.57A | |
| 1300 | ---- | ---- | ---- | ---- | 1.85 | UNCH | .180 | ---- | ---- | 15 | UNCH | 4.27B | 1.80A | |
| 1320 | ---- | ---- | ---- | ---- | 2.27 | UNCH | .213 | ---- | 1 | 16 + | 1 | 4.97B | 2.30A | |
| 1340 | ---- | ---- | ---- | ---- | 2.77 | UNCH | .249 | ---- | ---- | 62 | UNCH | 5.82B | 2.67A | |
| 1360 | ---- | ---- | ---- | ---- | 3.35 | UNCH | .289 | ---- | ---- | 9 | UNCH | 6.72B | 3.22A | |
| 1380 | ---- | ---- | ---- | ---- | 4.00 | UNCH | .331 | ---- | 3 | 8 + | 1 | 7.75B | 3.82A | |
| 1400 | ---- | ---- | ---- | ---- | 4.75 + | 2 | .375 | ---- | ---- | 150 | UNCH | 8.87B | 4.50A | |
| 1420 | ---- | ---- | ---- | ---- | 5.57 + | 5 | .421 | ---- | 2 | 43 + | 2 | 10.10B | 5.25A | |
| 1440 | ---- | ---- | ---- | ---- | 6.50 + | 7 | .469 | ---- | 1 | 53 | UNCH | 11.40B | 6.10A | |
| 1460 | ---- | ---- | ---- | ---- | 7.50 + | 7 | .517 | ---- | ---- | 15 | UNCH | 12.17B | 6.70 | |
| TOTAL | | | | | | | | | 9 | 490 + | 6 | | | |
| MAR19 | | (FUTURES SETT. | 143.400 - | 50.0 ) | | | | | | | | | | |
| 1140 | ---- | ---- | ---- | ---- | .32 | UNCH | .039 | ---- | ---- | 6 | UNCH | .77 | .55A | |
| 1200 | ---- | ---- | ---- | ---- | .75 + | 2 | .080 | ---- | ---- | 2 | UNCH | 1.12B | .75 | |
| 1260 | ---- | ---- | ---- | ---- | 1.47 + | 7 | .144 | ---- | ---- | 13 | UNCH | 3.00 | 1.45A | |
| 1400 | ---- | ---- | ---- | ---- | 5.27 + | 15 | .397 | ---- | ---- | 121 | UNCH | 10.07B | 4.75 | |
| 1440 | ---- | ---- | ---- | ---- | 7.10 + | 22 | .490 | ---- | ---- | 110 | UNCH | 8.75B | 6.40A | |
| TOTAL | | | | | | | | | 0 | 252 | | | | |
| APR19 | | (FUTURES SETT. | 143.825 - | 67.5 ) | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | 5.50 + | 25 | .391 | ---- | ---- | 15 | UNCH | 5.40 | 5.32A | |
| TOTAL | | | | | | | | | 0 | 15 | | | | |

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# LEAN HOGS CALL OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### LEAN HOG CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | OCT18 | DEC18 | FEB19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| LEAN HOGS FUT | 06/14 | 07/16 | 08/14 | 10/12 | 12/14 | 02/14 | 04/12 | 05/14 | 06/14 |
| LEAN HOGS OPT | 06/14 | 07/16 | 08/14 | 10/12 | 12/14 | 02/14 | 04/12 | 05/14 | 06/14 |

### LEAN HOG OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | OCT18 | DEC18 | FEB19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| NH | 36.0-128.0 | 38.0-128.0 | 38.0-126.0 | 30.0-114.0 | 28.0-96.0 | 28.0-102.0 | 34.0-108.0 | 36.0-116.0 | 38.0-122.0 |

### LEAN HOG FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LEAN HOGS FUT | | | | | | | | | | | | |
| JUL18 | 79.55 | 80.47 | 79.12 | 80.22 + | 110 | ---- | 6810 | 20505 - | 2297 | 7114 | 20025 | 87.92 |
| AUG18 | 74.82 | 75.25 | 74.30 | 75.05 + | 30 | ---- | 15128 | 76427 + | 252 | 16331 | 90306 | 79.47 |
| OCT18 | 60.87 | 61.37 | 60.45 | 61.30 + | 37 | ---- | 11231 | 71422 + | 1205 | 11221 | 69693 | 68.17 |
| DEC18 | 56.25 | 56.62 | 55.90 | 56.52 + | 20 | ---- | 4875 | 34748 + | 779 | 4253 | 36594 | 61.92 |
| FEB19 | 61.65 | 61.95 | 61.35 | 61.62 - | 10 | ---- | 2293 | 14205 + | 179 | 1774 | 16927 | 65.55 |
| APR19 | 66.15 | 66.60 | 66.15 | 66.37 - | 12 | ---- | 1485 | 10178 + | 703 | 1080 | 16185 | 69.45 |
| MAY19 | 71.15 | 71.40 | 71.02 | 71.40 + | 12 | ---- | 7 | 234 + | 5 | 11 | 263 | 73.45 |
| JUN19 | 74.92 | 75.37 | 74.92 | 75.15 - | 12 | ---- | 135 | 1078 + | 13 | 228 | 6849 | 76.90 |
| JUL19 | 74.37 | 74.85 | 74.37 | 74.85 - | 15 | ---- | 27 | 187 + | 4 | 20 | 621 | 75.82 |
| AUG19 | 73.30 | 73.82 | 73.27 | 73.82 - | 12 | ---- | 28 | 97 + | 3 | 6 | 358 | 74.52 |
| OCT19 | ---- | ---- | ---- | 61.02 - | 2 | ---- | 3 | 101 + | 2 | ---- | 80 | 65.25 |
| DEC19 | ---- | ---- | ---- | 56.57 - | 2 | ---- | ---- | 5 | UNCH | ---- | 2 | 60.40 |
| TOTAL LEAN HOGS FUT | | | | | | 0 | 42022 | 229187 + | 848 | 42038 | 257903 | |

### LEAN HOG CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LEAN HOGS CALL | | | | | | | | | | | | | |
| JUL18 | LEAN HOGS CALL | (FUTURES SETT. | 80.225 + | 110.0 ) | | | | | | | | | |
| 580 | ---- | ---- | ---- | ---- | 22.22 + | 110 | 1.000 | ---- | ---- | 7 | UNCH | 26.70B | 15.07A |
| 640 | ---- | ---- | ---- | ---- | 16.22 + | 110 | .999 | ---- | ---- | 1 | UNCH | 20.77B | 9.75A |
| 700 | ---- | ---- | ---- | ---- | 10.25 + | 110 | .987 | ---- | 1 | 2 + | 1 | 15.10B | 5.52A |
| 720 | ---- | ---- | ---- | ---- | 8.27 + | 107 | .974 | ---- | ---- | 52 | UNCH | 13.32B | 4.42A |
| 730 | ---- | ---- | ---- | ---- | 7.30 + | 105 | .962 | ---- | ---- | 13 | UNCH | 10.52B | 3.87A |
| 740 | ---- | ---- | ---- | ---- | 6.32 + | 102 | .948 | ---- | ---- | 15 | UNCH | 11.62B | 3.27A |
| 750 | ---- | ---- | ---- | ---- | 5.37 + | 97 | .922 | ---- | ---- | 2 | UNCH | 8.72B | 2.75A |
| 760 | ---- | ---- | ---- | ---- | 4.45 + | 90 | .885 | ---- | ---- | 173 | UNCH | 10.47B | 2.25 |
| 770 | ---- | ---- | ---- | ---- | 3.55 + | 80 | .835 | ---- | ---- | 38 | UNCH | 6.82B | 1.82A |
| 780 | ---- | ---- | ---- | ---- | 2.72 + | 67 | .759 | ---- | 1 | 402 - | 1 | 9.00B | 1.47A |
| 790 | ---- | ---- | ---- | ---- | 2.00 + | 52 | .657 | ---- | 70 | 538 + | 56 | 5.07B | 1.07 |
| 800 | ---- | ---- | ---- | ---- | 1.40 + | 37 | .536 | ---- | 298 | 1556 + | 102 | 7.62B | .75A |
| 810 | ---- | ---- | ---- | ---- | .92 + | 25 | .409 | ---- | 119 | 746 + | 46 | 3.72B | .50A |
| 820 | ---- | ---- | ---- | ---- | .60 + | 15 | .295 | ---- | 169 | 3253 + | 29 | 6.37B | .35A |
| 830 | ---- | ---- | ---- | ---- | .37 + | 7 | .201 | ---- | 10 | 425 + | 2 | 2.70B | .22A |
| 840 | ---- | ---- | ---- | ---- | .22 + | 5 | .130 | ---- | 35 | 1406 - | 16 | 5.22B | .15 |
| 850 | ---- | ---- | ---- | ---- | .15 + | 2 | .088 | ---- | 5 | 481 - | 5 | 1.87B | .12A |
| 860 | ---- | ---- | ---- | ---- | .10 + | 2 | .059 | ---- | 1 | 1272 | UNCH | 4.17B | .05 |
| 870 | ---- | ---- | ---- | ---- | .07 + | 2 | .043 | ---- | ---- | 259 | UNCH | 1.30 | .05 |
| 880 | ---- | ---- | ---- | ---- | .05 + | 2 | .029 | ---- | ---- | 738 | UNCH | 3.30 | .05 |
| 890 | ---- | ---- | ---- | ---- | .02 | UNCH | .015 | ---- | ---- | 37 | UNCH | .80B | .05 |
| 900 | ---- | ---- | ---- | ---- | .02 | UNCH | .014 | ---- | ---- | 725 | UNCH | 2.50 | .02 |
| 910 | ---- | ---- | ---- | ---- | .02 | UNCH | .013 | ---- | ---- | 21 | UNCH | .50B | .05 |
| 920 | ---- | ---- | ---- | ---- | .02 + | 2 | .012 | ---- | ---- | 516 | UNCH | 1.70 | .02 |
| 930 | ---- | ---- | ---- | ---- | .02 + | 2 | .011 | ---- | ---- | 1 | UNCH | .30B | .05A |
| 940 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | 152 | UNCH | 1.15B | .05A |
| 950 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 2 | UNCH | .20 | .02A |
| 960 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 6 | UNCH | .70B | .12A |
| 980 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .45B | .02 |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 24 | UNCH | .22B | .05 |
| 1020 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 40 | UNCH | .10 | .10 |
| TOTAL | | | | | | | | | 709 | 12904 + | 214 | | |
| AUG18 | LEAN HOGS CALL | (FUTURES SETT. | 75.050 + | 30.0 ) | | | | | | | | | |
| 680 | ---- | ---- | ---- | ---- | 7.60 + | 22 | .856 | ---- | ---- | 2 | UNCH | 15.72B | 6.52A |
| 720 | ---- | ---- | ---- | ---- | 4.47 + | 12 | .692 | ---- | ---- | 4 | UNCH | 12.20B | 3.65A |
| 730 | ---- | ---- | ---- | ---- | 3.82 + | 12 | .638 | ---- | ---- | 10 | UNCH | 7.40B | 3.00A |
| 740 | ---- | ---- | ---- | ---- | 3.20 + | 10 | .580 | ---- | 25 | 269 + | 25 | 11.20B | 2.47A |
| 750 | ---- | ---- | ---- | ---- | 2.65 + | 12 | .520 | ---- | 11 | 106 + | 1 | 5.97B | 2.00A |
| 760 | ---- | ---- | ---- | ---- | 2.15 + | 12 | .458 | ---- | 19 | 481 + | 3 | 10.15B | 1.57A |
| 770 | ---- | ---- | ---- | ---- | 1.70 + | 10 | .395 | ---- | 135 | 425 - | 19 | 4.60B | 1.22A |
| 780 | ---- | ---- | ---- | ---- | 1.30 + | 7 | .332 | ---- | 35 | 1315 + | 20 | 8.75B | .95A |
| 790 | ---- | ---- | ---- | ---- | 1.00 + | 5 | .274 | ---- | 58 | 463 + | 9 | 3.50B | .72A |
| 800 | ---- | ---- | ---- | ---- | .75 + | 2 | .222 | ---- | 115 | 1487 + | 77 | 7.32B | .55A |
| 810 | ---- | ---- | ---- | ---- | .55 | UNCH | .175 | ---- | 82 | 604 - | 82 | 2.37B | .42A |
| 820 | ---- | ---- | ---- | ---- | .40 - | 2 | .135 | ---- | 85 | 1843 - | 30 | 6.12B | .32A |
| 830 | ---- | ---- | ---- | ---- | .30 - | 2 | .106 | ---- | ---- | 291 | UNCH | 1.67 | .25A |
| 840 | ---- | ---- | ---- | ---- | .22 - | 2 | .082 | ---- | 4 | 1250 - | 4 | 5.07B | .20 |
| 850 | ---- | ---- | ---- | ---- | .17 | UNCH | .065 | ---- | ---- | 103 | UNCH | 1.12B | .17 |
| 860 | ---- | ---- | ---- | ---- | .12 | UNCH | .048 | ---- | 12 | 1440 - | 12 | 4.00 | .12 |
| 870 | ---- | ---- | ---- | ---- | .10 | UNCH | .039 | ---- | ---- | 92 | UNCH | .77B | .12A |
| 880 | ---- | ---- | ---- | ---- | .07 | UNCH | .030 | ---- | ---- | 593 | UNCH | 3.15 | .07 |
| 890 | ---- | ---- | ---- | ---- | .07 + | 2 | .028 | ---- | ---- | 34 | UNCH | .50B | .07A |
| 900 | ---- | ---- | ---- | ---- | .05 | UNCH | .020 | ---- | 25 | 616 - | 3 | 2.50 | .05 |
| 910 | ---- | ---- | ---- | ---- | .05 | UNCH | .019 | ---- | ---- | 5 | UNCH | .32B | .05A |
| 920 | ---- | ---- | ---- | ---- | .02 | UNCH | .010 | ---- | ---- | 725 | UNCH | 1.82 | .05 |
| 930 | ---- | ---- | ---- | ---- | .02 | UNCH | .010 | ---- | ---- | 22 | UNCH | .20B | .10A |
| 940 | ---- | ---- | ---- | ---- | .02 | UNCH | .009 | ---- | ---- | 104 | UNCH | 1.27 | .07A |
| 950 | ---- | ---- | ---- | ---- | .02 | UNCH | .009 | ---- | ---- | 104 | UNCH | .12B | .07 |
| 960 | ---- | ---- | ---- | ---- | .02 | UNCH | .009 | ---- | ---- | 131 | UNCH | .55B | .02 |
| 970 | ---- | ---- | ---- | ---- | CAB | ---- | .005 | ---- | ---- | 7 | UNCH | .02 | .02 |
| 980 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 26 | UNCH | .22B | .02 |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 25 | UNCH | .15 | .15 |
| 1020 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 1 | UNCH | .02B | .27A |
| 1040 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .02B | ---- |
| TOTAL | | | | | | | | | 606 | 12579 - | 15 | | |
| OCT18 | LEAN HOGS CALL | (FUTURES SETT. | 61.300 + | 37.5 ) | | | | | | | | | |
| 580 | ---- | ---- | ---- | ---- | 5.60 + | 12 | .666 | ---- | ---- | 54 | UNCH | 13.00B | 5.07A |
| 600 | ---- | ---- | ---- | ---- | 4.37 + | 15 | .585 | ---- | ---- | 178 | UNCH | 11.30B | 3.82A |
| 610 | ---- | ---- | ---- | ---- | 3.75 + | 10 | .542 | ---- | ---- | 11 | UNCH | 5.82B | 3.27A |
| 620 | ---- | ---- | ---- | ---- | 3.15 + | 5 | .496 | ---- | 17 | 504 + | 13 | 10.27B | 2.65 |
| 630 | ---- | ---- | ---- | ---- | 2.65 + | 2 | .448 | ---- | ---- | 100 | UNCH | 3.00 | 2.30A |
| 640 | ---- | ---- | ---- | ---- | 2.20 + | 2 | .400 | ---- | 208 | 1237 + | 163 | 8.82B | 1.90A |
| 650 | ---- | ---- | ---- | ---- | 1.82 + | 2 | .353 | ---- | 94 | 365 + | 82 | 2.90 | 1.57A |
| 660 | ---- | ---- | ---- | ---- | 1.42 - | 2 | .303 | ---- | 176 | 1101 + | 88 | 7.50B | 1.27 |
| 670 | ---- | ---- | ---- | ---- | 1.15 - | 2 | .259 | ---- | 60 | 961 + | 58 | 2.57B | .97 |
| 680 | ---- | ---- | ---- | ---- | .90 - | 5 | .218 | ---- | 695 | 2689 + | 426 | 6.27B | .80 |
| 690 | ---- | ---- | ---- | ---- | .72 - | 2 | .184 | ---- | 1 | 241 + | 1 | 1.55B | .65A |
| 700 | ---- | ---- | ---- | ---- | .57 - | 2 | .153 | ---- | 25 | 3262 - | 15 | 5.20 | .50 |

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# LEAN HOGS CALL OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (FUTURES SETT. | 61.300 + | 37.5 ) | | | | | | | | | | | |
| 710 | ---- | ---- | ---- | ---- | | .45 - | 2 | .125 | ---- | ---- | 5 | UNCH | .95B | .42A |
| 720 | ---- | ---- | ---- | ---- | | .35 - | 2 | .102 | ---- | 149 | 2779 + | 42 | 4.07B | .32A |
| 730 | ---- | ---- | ---- | ---- | | .27 - | 2 | .083 | ---- | ---- | 2 | UNCH | .30 | .25 |
| 740 | ---- | ---- | ---- | ---- | | .22 | UNCH | .069 | ---- | 145 | 1268 - | 6 | 3.25 | .17 |
| 760 | ---- | ---- | ---- | ---- | | .15 | UNCH | .048 | ---- | ---- | 619 | UNCH | 2.45 | .15 |
| 780 | ---- | ---- | ---- | ---- | | .10 | UNCH | .033 | ---- | ---- | 815 | UNCH | 1.80 | .12 |
| 800 | ---- | ---- | ---- | ---- | | .07 + | 2 | .025 | ---- | ---- | 372 | UNCH | 1.15 | .10A |
| 820 | ---- | ---- | ---- | ---- | | .05 | UNCH | .017 | ---- | ---- | 186 | UNCH | .55 | .07A |
| 840 | ---- | ---- | ---- | ---- | | .02 | UNCH | .009 | ---- | ---- | 8 | UNCH | ---- | .27A |
| 860 | ---- | ---- | ---- | ---- | CAB | | ---- | .005 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 960 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 2 | UNCH | .02B | ---- |
| TOTAL | | | | | | | | | | 1570 | 16760 + | 852 | | |
| DEC18 | | (FUTURES SETT. | 56.525 + | 20.0 ) | | | | | | | | | | |
| 540 | ---- | ---- | ---- | ---- | | 5.37 + | 2 | .634 | ---- | ---- | 25 | UNCH | 10.87B | 5.00 |
| 560 | ---- | ---- | ---- | ---- | | 4.17 + | 2 | .555 | ---- | ---- | 129 | UNCH | 9.85B | 3.90A |
| 580 | ---- | ---- | ---- | ---- | | 3.12 | UNCH | .471 | ---- | ---- | 135 | UNCH | 8.70B | 2.92A |
| 600 | ---- | ---- | ---- | ---- | | 2.22 - | 2 | .383 | ---- | 24 | 948 + | 26 | 7.37B | 2.00 |
| 620 | ---- | ---- | ---- | ---- | | 1.52 - | 2 | .298 | ---- | 224 | 1425 + | 224 | 6.17B | 1.40 |
| 640 | ---- | ---- | ---- | ---- | | 1.00 - | 5 | .221 | ---- | 409 | 1919 + | 300 | 5.05B | .92 |
| 660 | ---- | ---- | ---- | ---- | | .65 - | 2 | .159 | ---- | 6 | 2564 - | 6 | 3.92B | .60 |
| 680 | ---- | ---- | ---- | ---- | | .42 - | 2 | .112 | ---- | 15 | 1512 + | 15 | 3.05 | .37 |
| 700 | ---- | ---- | ---- | ---- | | .27 - | 2 | .078 | ---- | 1 | 296 + | 1 | 2.50 | .27 |
| 720 | ---- | ---- | ---- | ---- | | .17 - | 2 | .053 | ---- | 2 | 676 | UNCH | 1.55 | .17 |
| 740 | ---- | ---- | ---- | ---- | | .12 - | 2 | .038 | ---- | 150 | 352 + | 5 | 1.10 | .12 |
| 760 | ---- | ---- | ---- | ---- | | .07 - | 2 | .024 | ---- | ---- | 9 | UNCH | .75 | .10 |
| 800 | ---- | ---- | ---- | ---- | | .05 | UNCH | .016 | ---- | ---- | 8 | UNCH | .20 | .17 |
| 860 | ---- | ---- | ---- | ---- | CAB | | ---- | .004 | ---- | ---- | 3 | UNCH | .10 | .10 |
| 880 | ---- | ---- | ---- | ---- | CAB | | ---- | .004 | ---- | ---- | 2 | UNCH | .17 | .17 |
| TOTAL | | | | | | | | | | 831 | 10003 + | 565 | | |
| FEB19 | | (FUTURES SETT. | 61.625 - | 10.0 ) | | | | | | | | | | |
| 620 | ---- | ---- | ---- | ---- | | 4.00 - | 7 | .519 | ---- | ---- | 43 | UNCH | 5.12B | 5.65A |
| 640 | ---- | ---- | ---- | ---- | | 2.97 - | 7 | .439 | ---- | ---- | 295 | UNCH | 5.97B | 3.00A |
| 660 | ---- | ---- | ---- | ---- | | 2.10 - | 5 | .355 | ---- | 120 | 930 + | 120 | 4.92B | 2.15A |
| 680 | ---- | ---- | ---- | ---- | | 1.40 - | 7 | .272 | ---- | 18 | 734 + | 18 | 4.55 | 1.57 |
| 700 | ---- | ---- | ---- | ---- | | .90 - | 7 | .199 | ---- | ---- | 2281 | UNCH | 3.70 | 1.00 |
| 720 | ---- | ---- | ---- | ---- | | .57 - | 7 | .141 | ---- | ---- | 1156 | UNCH | 2.90 | .70 |
| 740 | ---- | ---- | ---- | ---- | | .37 - | 7 | .099 | ---- | ---- | 353 | UNCH | 1.65B | .50 |
| 760 | ---- | ---- | ---- | ---- | | .25 - | 7 | .070 | ---- | ---- | 620 | UNCH | 1.17B | .30 |
| 800 | ---- | ---- | ---- | ---- | | .10 - | 5 | .031 | ---- | ---- | 24 | UNCH | .50 | .15 |
| 860 | ---- | ---- | ---- | ---- | | .02 - | 2 | .009 | ---- | ---- | 2 | UNCH | .10 | .10 |
| TOTAL | | | | | | | | | | 138 | 6438 + | 138 | | |
| APR19 | | (FUTURES SETT. | 66.375 - | 12.5 ) | | | | | | | | | | |
| 680 | ---- | ---- | ---- | ---- | | 3.62 - | 7 | .473 | ---- | ---- | 519 | UNCH | 4.40 | 3.25 |
| 700 | ---- | ---- | ---- | ---- | | 2.70 - | 5 | .397 | ---- | 20 | 503 + | 20 | 3.90 | 2.55 |
| 720 | ---- | ---- | ---- | ---- | | 1.95 - | 2 | .321 | ---- | 1211 | 3138 + | 1205 | 3.65 | 1.80 |
| 740 | ---- | ---- | ---- | ---- | | 1.35 - | 5 | .250 | ---- | 30 | 1428 + | 30 | 3.50B | 1.27 |
| 760 | ---- | ---- | ---- | ---- | | .92 - | 2 | .189 | ---- | ---- | 862 | UNCH | 2.20 | 1.00A |
| 780 | ---- | ---- | ---- | ---- | | .60 - | 2 | .136 | ---- | ---- | 250 | UNCH | .72B | ---- |
| TOTAL | | | | | | | | | | 1261 | 6700 + | 1255 | | |
| JUN19 | | (FUTURES SETT. | 75.150 - | 12.5 ) | | | | | | | | | | |
| 760 | ---- | ---- | ---- | ---- | | 4.20 - | 25 | .501 | ---- | ---- | 1 | UNCH | 4.90B | ---- |
| 780 | ---- | ---- | ---- | ---- | | 3.35 + | NEW | .432 | ---- | 3 | 3 + | 3 | 3.90B | 3.65 |
| 800 | ---- | ---- | ---- | ---- | | 2.62 - | 10 | .366 | ---- | ---- | 24 | UNCH | 3.50 | 2.95 |
| 820 | ---- | ---- | ---- | ---- | | 2.02 - | 2 | .304 | ---- | ---- | 50 | UNCH | 2.22B | ---- |
| 840 | ---- | ---- | ---- | ---- | | 1.55 + | 5 | .249 | ---- | ---- | 351 | UNCH | 2.00 | 1.52 |
| 860 | ---- | ---- | ---- | ---- | | 1.15 + | 10 | .199 | ---- | ---- | 175 | UNCH | 1.12B | ---- |
| TOTAL | | | | | | | | | | 3 | 604 + | 3 | | |

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# LEAN HOGS PUT OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### LEAN HOG PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LEAN HOGS PUT | | | | | | | | | | | |
| JUL18 LEAN HOGS PUT | | (FUTURES SETT. | 80.225 + | 110.0 ) | | | | | | | |
| 580 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 5 UNCH | .17B | .10 |
| 590 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 2 UNCH | .07 | .07 |
| 600 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 178 UNCH | .35 | .02 |
| 620 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 99 UNCH | .60B | .07A |
| 630 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 25 UNCH | .15B | .02A |
| 640 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 128 UNCH | 1.02 | .02 |
| 650 | ---- | ---- | ---- | ---- | CAB ---- | .001 | ---- | ---- | 170 UNCH | .32 | .05A |
| 660 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | ---- | 386 UNCH | 1.45B | .02 |
| 670 | ---- | ---- | ---- | ---- | CAB ---- | .005 | ---- | ---- | 52 UNCH | .50B | .02 |
| 680 | ---- | ---- | ---- | ---- | .02 UNCH | .010 | ---- | ---- | 323 UNCH | 2.05B | .02 |
| 690 | ---- | ---- | ---- | ---- | .02 UNCH | .011 | ---- | 1 | 176 UNCH | .92B | .02 |
| 700 | ---- | ---- | ---- | ---- | .02 UNCH | .012 | ---- | 2 | 576 - 2 | 3.10 | .02 |
| 710 | ---- | ---- | ---- | ---- | .05 UNCH | .022 | ---- | 10 | 248 UNCH | 1.45B | .05 |
| 720 | ---- | ---- | ---- | ---- | .05 - 2 | .025 | ---- | 30 | 966 - 30 | 4.17 | .05 |
| 730 | ---- | ---- | ---- | ---- | .07 - 5 | .037 | ---- | 10 | 515 - 10 | 2.20B | .07A |
| 740 | ---- | ---- | ---- | ---- | .10 - 10 | .051 | ---- | 22 | 1040 UNCH | 4.72B | .10 |
| 750 | ---- | ---- | ---- | ---- | .15 - 15 | .077 | ---- | 75 | 477 - 17 | 3.05B | .12 |
| 760 | ---- | ---- | ---- | ---- | .22 - 20 | .114 | ---- | 27 | 1052 - 12 | 5.92B | .15 |
| 770 | ---- | ---- | ---- | ---- | .32 - 32 | .164 | ---- | 250 | 1603 + 19 | 4.12B | .25 |
| 780 | ---- | ---- | ---- | ---- | .50 - 42 | .240 | ---- | 425 | 1976 - 122 | 7.27B | .30 |
| 790 | ---- | ---- | ---- | ---- | .77 - 57 | .342 | ---- | 32 | 542 + 12 | 5.37B | .45A |
| 800 | ---- | ---- | ---- | ---- | 1.17 - 72 | .463 | ---- | 47 | 1577 - 1 | 8.72B | .60A |
| 810 | ---- | ---- | ---- | ---- | 1.70 - 85 | .590 | ---- | 10 | 374 UNCH | 6.82B | .77A |
| 820 | ---- | ---- | ---- | ---- | 2.37 - 95 | .704 | ---- | 16 | 718 UNCH | 10.30B | 1.05 |
| 830 | ---- | ---- | ---- | ---- | 3.15 - 100 | .798 | ---- | ---- | 60 UNCH | 8.30B | 1.42A |
| 840 | ---- | ---- | ---- | ---- | 4.00 - 105 | .869 | ---- | ---- | 178 UNCH | 11.77B | 1.85A |
| 850 | ---- | ---- | ---- | ---- | 4.92 - 105 | .911 | ---- | ---- | 25 UNCH | 10.12B | 2.47A |
| 860 | ---- | ---- | ---- | ---- | 5.87 - 107 | .940 | ---- | ---- | 177 UNCH | 13.52B | 3.07A |
| 880 | ---- | ---- | ---- | ---- | 7.82 - 107 | .970 | ---- | ---- | 52 UNCH | 15.37B | 4.67A |
| 890 | ---- | ---- | ---- | ---- | 8.80 - 110 | .984 | ---- | ---- | 1 UNCH | 13.77B | 5.52A |
| 910 | ---- | ---- | ---- | ---- | 10.80 - 107 | .986 | ---- | ---- | 10 UNCH | 15.87B | 7.45A |
| TOTAL | | | | | | | | 957 | 13711 - 163 | | |
| AUG18 LEAN HOGS PUT | | (FUTURES SETT. | 75.050 + | 30.0 ) | | | | | | | |
| 560 | ---- | ---- | ---- | ---- | .02 UNCH | .007 | ---- | ---- | 3 UNCH | .02B | .02A |
| 570 | ---- | ---- | ---- | ---- | .02 UNCH | .007 | ---- | 1 | 62 + 1 | .05B | .02 |
| 580 | ---- | ---- | ---- | ---- | .05 + 2 | .014 | ---- | ---- | 24 UNCH | .10 | .05A |
| 600 | ---- | ---- | ---- | ---- | .07 UNCH | .021 | ---- | 4 | 25 + 4 | .22B | .07A |
| 610 | ---- | ---- | ---- | ---- | .10 UNCH | .028 | ---- | ---- | 41 UNCH | .25B | .10A |
| 620 | ---- | ---- | ---- | ---- | .12 UNCH | .035 | ---- | 10 | 50 + 10 | .67B | .10 |
| 630 | ---- | ---- | ---- | ---- | .17 UNCH | .047 | ---- | ---- | 33 UNCH | .42B | .12 |
| 640 | ---- | ---- | ---- | ---- | .20 - 2 | .055 | ---- | ---- | 187 UNCH | 1.05B | .15 |
| 650 | ---- | ---- | ---- | ---- | .27 - 2 | .073 | ---- | ---- | 110 UNCH | .70B | .22A |
| 660 | ---- | ---- | ---- | ---- | .35 - 5 | .092 | ---- | 329 | 372 - 99 | 2.15 | .25A |
| 670 | ---- | ---- | ---- | ---- | .45 - 7 | .115 | ---- | ---- | 31 UNCH | 1.07B | .32A |
| 680 | ---- | ---- | ---- | ---- | .57 - 7 | .143 | ---- | ---- | 1170 UNCH | 2.17 | .37 |
| 690 | ---- | ---- | ---- | ---- | .72 - 10 | .175 | ---- | 11 | 361 + 4 | 1.57B | .47 |
| 700 | ---- | ---- | ---- | ---- | .92 - 12 | .215 | ---- | 187 | 2615 + 67 | 2.90 | .50 |
| 710 | ---- | ---- | ---- | ---- | 1.15 - 15 | .258 | ---- | 32 | 281 + 31 | 2.22B | .67A |
| 720 | 1.45 | 1.45 | 1.45 | ---- | 1.42 - 17 | .307 | ---- | 474 | 1367 + 109 | 3.92 | .82A |
| 730 | ---- | ---- | ---- | ---- | 1.77 - 17 | .361 | ---- | 32 | 256 + 21 | 3.02B | 1.00 |
| 740 | ---- | ---- | ---- | ---- | 2.15 - 20 | .419 | ---- | 150 | 1794 - 30 | 4.77B | 1.15 |
| 750 | ---- | ---- | ---- | ---- | 2.60 - 17 | .479 | ---- | 5 | 866 - 2 | 4.00B | 1.40A |
| 760 | ---- | ---- | ---- | ---- | 3.10 - 17 | .541 | ---- | 4 | 1576 + 2 | 5.92B | 1.65A |
| 770 | ---- | ---- | ---- | ---- | 3.65 - 20 | .604 | ---- | ---- | 537 UNCH | 5.00B | 1.97A |
| 780 | ---- | ---- | ---- | ---- | 4.25 - 22 | .667 | ---- | 4 | 2481 - 4 | 7.20B | 2.10 |
| 790 | ---- | ---- | ---- | ---- | 4.92 - 27 | .725 | ---- | ---- | 167 UNCH | 6.32B | 2.72A |
| 800 | ---- | ---- | ---- | ---- | 5.67 - 30 | .777 | ---- | 3 | 848 UNCH | 8.60B | 2.87A |
| 810 | ---- | ---- | ---- | ---- | 6.47 - 30 | .824 | ---- | ---- | 55 UNCH | 7.85B | 3.75A |
| 820 | ---- | ---- | ---- | ---- | 7.35 - 30 | .864 | ---- | 50 | 707 - 41 | 10.12B | 3.55 |
| 840 | ---- | ---- | ---- | ---- | 9.15 - 32 | .917 | ---- | ---- | 396 UNCH | 11.60B | 4.50 |
| 860 | ---- | ---- | ---- | ---- | 11.05 - 30 | .951 | ---- | ---- | 5 UNCH | 13.27B | 5.50A |
| 1000 | ---- | ---- | ---- | ---- | 24.95 - 30 | .998 | ---- | ---- | 7 UNCH | 26.70B | 16.45A |
| TOTAL | | | | | | | | 1296 | 16427 + 73 | | |
| OCT18 LEAN HOGS PUT | | (FUTURES SETT. | 61.300 + | 37.5 ) | | | | | | | |
| 380 | ---- | ---- | ---- | ---- | .05 UNCH | .010 | ---- | ---- | 5 UNCH | ---- | .02A |
| 400 | ---- | ---- | ---- | ---- | .07 UNCH | .015 | ---- | ---- | 1 UNCH | .05 | .05 |
| 440 | ---- | ---- | ---- | ---- | .17 - 2 | .034 | ---- | ---- | 25 UNCH | .25B | .07 |
| 460 | ---- | ---- | ---- | ---- | .27 - 5 | .051 | ---- | ---- | 16 UNCH | .45 | .12A |
| 480 | ---- | ---- | ---- | ---- | .42 - 5 | .076 | ---- | ---- | 82 UNCH | .62B | .17A |
| 490 | ---- | ---- | ---- | ---- | .52 - 7 | .092 | ---- | ---- | 11 UNCH | .75B | .40A |
| 500 | ---- | ---- | ---- | ---- | .62 - 10 | .108 | ---- | 20 | 315 - 4 | .90B | .17 |
| 510 | ---- | ---- | ---- | ---- | .75 - 10 | .127 | ---- | ---- | 11 UNCH | 1.07B | .50 |
| 520 | ---- | ---- | ---- | ---- | .87 - 15 | .147 | ---- | 411 | 1051 + 184 | 1.27B | .25A |
| 530 | ---- | ---- | ---- | ---- | 1.10 - 10 | .175 | ---- | 24 | 66 + 24 | 1.47B | .75A |
| 540 | ---- | ---- | ---- | ---- | 1.30 - 12 | .202 | ---- | 13 | 3394 - 10 | 1.72 | .35A |
| 550 | ---- | ---- | ---- | ---- | 1.52 - 15 | .232 | ---- | 30 | 165 + 9 | 2.00B | 1.00A |
| 560 | ---- | ---- | ---- | ---- | 1.75 - 17 | .262 | ---- | 20 | 1746 + 10 | 2.35 | .45 |
| 570 | ---- | ---- | ---- | ---- | 2.00 - 22 | .295 | ---- | 13 | 96 + 13 | 2.65B | 1.35A |
| 580 | ---- | ---- | ---- | ---- | 2.32 - 22 | .333 | ---- | 141 | 1810 - 87 | 3.05 | .42 |
| 590 | ---- | ---- | ---- | ---- | 2.67 - 22 | .372 | ---- | 95 | 108 + 84 | 3.32B | 1.77A |
| 600 | ---- | ---- | ---- | ---- | 3.07 - 22 | .414 | ---- | 782 | 2804 + 366 | 3.75 | .80 |
| 610 | ---- | ---- | ---- | ---- | 3.45 - 27 | .457 | ---- | 55 | 166 + 28 | 4.20B | 2.27A |
| 620 | ---- | ---- | ---- | ---- | 3.85 - 32 | .503 | ---- | 32 | 2044 - 13 | 4.70B | 1.10 |
| 630 | ---- | ---- | ---- | ---- | 4.35 - 32 | .551 | ---- | ---- | 85 UNCH | 5.25 | 2.92A |
| 640 | ---- | ---- | ---- | ---- | 4.87 - 35 | .599 | ---- | 20 | 2052 + 20 | 5.87 | 1.75A |
| 650 | ---- | ---- | ---- | ---- | 5.50 - 35 | .646 | ---- | ---- | 11 UNCH | 6.50B | 3.82A |
| 660 | ---- | ---- | ---- | ---- | 6.10 - 40 | .696 | ---- | 20 | 1924 + 20 | 7.20B | 2.25 |
| 680 | ---- | ---- | ---- | ---- | 7.57 - 42 | .781 | ---- | 17 | 957 - 17 | 8.52B | 3.00 |
| 700 | ---- | ---- | ---- | ---- | 9.25 - 37 | .846 | ---- | 115 | 1513 - 25 | 10.20B | 3.70 |
| 720 | ---- | ---- | ---- | ---- | 11.00 - 40 | .897 | ---- | ---- | 70 UNCH | 12.00B | 4.90A |
| 740 | ---- | ---- | ---- | ---- | 12.87 - 40 | .930 | ---- | 9 | 172 UNCH | 14.22 | 6.07A |
| 760 | ---- | ---- | ---- | ---- | 14.80 - 37 | .951 | ---- | ---- | 20 UNCH | 15.82B | 7.05A |
| TOTAL | | | | | | | | 1817 | 20720 + 602 | | |
| DEC18 LEAN HOGS PUT | | (FUTURES SETT. | 56.525 + | 20.0 ) | | | | | | | |
| 340 | ---- | ---- | ---- | ---- | .07 - 2 | .013 | ---- | ---- | 2 UNCH | ---- | ---- |
| 380 | ---- | ---- | ---- | ---- | .20 - 2 | .034 | ---- | ---- | 50 UNCH | .20B | .10 |
| 400 | ---- | ---- | ---- | ---- | .30 - 2 | .050 | ---- | ---- | 17 UNCH | .30B | .12 |
| 420 | ---- | ---- | ---- | ---- | .45 - 2 | .072 | ---- | ---- | 25 UNCH | .55 | .27 |
| 440 | ---- | ---- | ---- | ---- | .65 - 2 | .101 | ---- | ---- | 235 UNCH | .77B | .37A |
| 460 | ---- | ---- | ---- | ---- | .90 - 5 | .136 | ---- | 22 | 196 UNCH | 1.15 | .35 |
| 480 | ---- | ---- | ---- | ---- | 1.22 - 10 | .179 | ---- | 405 | 1261 + 403 | 1.52 | .45 |
| 500 | ---- | ---- | ---- | ---- | 1.67 - 10 | .233 | ---- | ---- | 2306 UNCH | 2.00 | .50A |
| 520 | ---- | ---- | ---- | ---- | 2.20 - 15 | .295 | ---- | ---- | 1659 UNCH | 2.65 | .70A |
| 540 | ---- | ---- | ---- | ---- | 2.85 - 17 | .365 | ---- | 191 | 1451 - 53 | 3.40 | .75 |
| 560 | ---- | ---- | ---- | ---- | 3.65 - 20 | .444 | ---- | 433 | 1504 + 432 | 4.12B | 1.42A |
| 580 | ---- | ---- | ---- | ---- | 4.57 - 20 | .528 | ---- | 1 | 1323 UNCH | 5.45 | 1.80A |
| 600 | ---- | ---- | ---- | ---- | 5.67 - 20 | .616 | ---- | ---- | 3377 UNCH | 6.50 | 2.45A |
| 620 | ---- | ---- | ---- | ---- | 6.95 - 22 | .701 | ---- | ---- | 668 UNCH | 7.67B | 3.15 |
| 640 | ---- | ---- | ---- | ---- | 8.42 - 22 | .778 | ---- | ---- | 1082 UNCH | 9.22B | 3.82 |
| 660 | ---- | ---- | ---- | ---- | 10.05 - 25 | .840 | ---- | ---- | 124 UNCH | 10.75B | 4.72 |
| 680 | ---- | ---- | ---- | ---- | 11.82 - 22 | .887 | ---- | ---- | 88 UNCH | 12.57B | 6.25A |
| 700 | ---- | ---- | ---- | ---- | 13.67 - 22 | .921 | ---- | ---- | 1 UNCH | 14.40B | 7.50A |

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# LEAN HOGS PUT OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | | | | | | | | | | | 1052 | 15369 | + | 782 | |
| FEB19 | | (FUTURES SETT. | 61.625 - | 10.0 ) | | | | | | | | | | | |
| 460 | ---- | ---- | ---- | ---- | .47 | UNCH | .072 | ---- | ---- | 17 | UNCH | ---- | .30A |
| 500 | ---- | ---- | ---- | ---- | .92 | UNCH | .131 | ---- | ---- | 23 | UNCH | 1.00B | .55A |
| 520 | ---- | ---- | ---- | ---- | 1.25 | UNCH | .171 | ---- | 4 | 775 | + 4 | 1.30 | 1.00 |
| 540 | ---- | ---- | ---- | ---- | 1.67 | + 2 | .219 | ---- | 20 | 1013 | + 20 | 1.80 | 1.10 |
| 560 | ---- | ---- | ---- | ---- | 2.20 | + 2 | .274 | ---- | ---- | 876 | UNCH | 2.50 | 1.05 |
| 580 | ---- | ---- | ---- | ---- | 2.82 | + 2 | .336 | ---- | ---- | 253 | UNCH | 3.00 | 1.75 |
| 600 | ---- | ---- | ---- | ---- | 3.55 | + 2 | .405 | ---- | 118 | 990 | + 118 | 3.80 | 2.25 |
| 620 | ---- | ---- | ---- | ---- | 4.37 | + 2 | .480 | ---- | 20 | 1129 | + 20 | 4.65B | 2.95 |
| 640 | ---- | ---- | ---- | ---- | 5.32 | + 2 | .560 | ---- | ---- | 770 | UNCH | 5.42B | 4.20 |
| 660 | ---- | ---- | ---- | ---- | 6.42 | + 2 | .644 | ---- | ---- | 950 | UNCH | 6.50B | 5.17A |
| 680 | ---- | ---- | ---- | ---- | 7.70 | + 2 | .727 | ---- | ---- | 6 | UNCH | 7.80B | 6.95 |
| 720 | ---- | ---- | ---- | ---- | 10.87 | + 2 | .858 | ---- | ---- | 7 | UNCH | 10.97B | 8.40 |
| TOTAL | | | | | | | | | | 162 | 6809 | + 162 | |
| APR19 | | (FUTURES SETT. | 66.375 - | 12.5 ) | | | | | | | | | |
| 540 | ---- | ---- | ---- | ---- | 1.10 | + 5 | .139 | ---- | ---- | 140 | UNCH | ---- | 1.15A |
| 560 | ---- | ---- | ---- | ---- | 1.40 | + 5 | .174 | ---- | 20 | 350 | + 20 | ---- | 1.12A |
| 580 | ---- | ---- | ---- | ---- | 1.77 | + 5 | .215 | ---- | 116 | 910 | + 114 | 1.95 | 1.40 |
| 600 | ---- | ---- | ---- | ---- | 2.25 | + 5 | .265 | ---- | 15 | 632 | + 15 | 2.22B | 1.90 |
| 620 | ---- | ---- | ---- | ---- | 2.82 | + 2 | .321 | ---- | ---- | 619 | UNCH | 3.00 | 2.85A |
| 640 | ---- | ---- | ---- | ---- | 3.52 | + 2 | .384 | ---- | ---- | 709 | UNCH | 3.90 | 2.85 |
| 660 | ---- | ---- | ---- | ---- | 4.32 | + 2 | .452 | ---- | 726 | 1924 | + 722 | 4.70B | 3.80 |
| 680 | ---- | ---- | ---- | ---- | 5.25 | + 7 | .526 | ---- | 30 | 1215 | + 30 | 5.47 | 4.25 |
| 700 | ---- | ---- | ---- | ---- | 6.30 | + 10 | .602 | ---- | ---- | 400 | UNCH | 6.35B | ---- |
| 720 | ---- | ---- | ---- | ---- | 7.50 | + 7 | .678 | ---- | ---- | 100 | UNCH | 7.52B | ---- |
| TOTAL | | | | | | | | | 907 | 6999 | + 901 | | |
| JUN19 | | (FUTURES SETT. | 75.150 - | 12.5 ) | | | | | | | | | |
| 640 | ---- | ---- | ---- | ---- | 1.25 | UNCH | .161 | ---- | ---- | 25 | UNCH | 1.55B | ---- |
| 660 | ---- | ---- | ---- | ---- | 1.60 | - 5 | .201 | ---- | ---- | 225 | UNCH | 2.02B | ---- |
| 760 | ---- | ---- | ---- | ---- | 5.05 | - 12 | .498 | ---- | 2 | 202 | + 2 | 5.92 | 5.80A |
| TOTAL | | | | | | | | | 2 | 452 | + 2 | | |

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# LUMBER & WOOD PULP OPTIONS



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## FINAL



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### LUMBER & WOOD PULP CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | NOV18 | JAN19 | MAR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|
| LUMBER FUT | | 07/13 | | 09/14 | 11/15 | 01/15 | 03/15 | 05/15 |
| LUMBER OPT | 05/31 | 06/29 | 07/31 | 08/31 | 10/31 | 12/31 | 02/28 | |

### LUMBER & WOOD PULP OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | NOV18 | JAN19 | MAR19 |
|---|---|---|---|---|---|---|---|
| ZL | 250.0-960.0 | 190.0-960.0 | 260.0-875.0 | 190.0-935.0 | 200.0-885.0 | 215.0-845.0 | 215.0-785.0 |

### LUMBER FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| LUMBER FUT | | | | | | | | | |
| JUL18 | 562.00 | 565.90 | 550.40 | 553.30 -10.10 | 5 | 635 | 1877 - 342 | 648.50 | 375.60 |
| SEP18 | 543.70 | 547.70 | 533.00 | 536.50 -9.30 | ---- | 611 | 3164 + 320 | 632.70 | 372.90A |
| NOV18 | 508.50 | 508.50 | 499.00 | 500.50 -9.50 | ---- | 60 | 592 + 18 | 595.60 | 369.70A |
| JAN19 | 484.50 | 484.50 | 479.90 | 479.90 -11.50 | ---- | 8 | 308 - 1 | 566.10 | 432.10 |
| MAR19 | 458.50 | 458.50 | 452.40A | 453.20 -5.00 | ---- | 3 | 181 UNCH | 528.70 | 418.10 |
| MAY19 | 428.00 | 428.00 | 428.00 | 428.00 UNCH | ---- | 1 | 56 UNCH | 494.30 | 395.00 |
| JUL19 | ---- | ---- | ---- | 398.50 UNCH | ---- | ---- | 22 UNCH | 405.00 | 380.00 |
| TOTAL LUMBER FUT | | | | | 5 | 1318 | 6200 - 5 | | |

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## FINAL



LUMBER CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LUMBER CALL | | | | | | | | | | | | | |
| JUL18 | LUMBER CALL | (FUTURES SETT. | 553.300 - | 1010.0 ) | | | | | | | | | |
| 390 | ---- | ---- | ---- | ---- | 163.30 - | 1010 | 1.000 | ---- | ---- | 1 | UNCH | 163.50 | 142.80 |
| 455 | ---- | ---- | ---- | ---- | 98.30 - | 1010 | 1.000 | ---- | ---- | 5 | UNCH | 43.40B | 17.00 |
| 475 | ---- | ---- | ---- | ---- | 78.30 - | 1010 | 1.000 | ---- | ---- | 6 | UNCH | 165.00B | 12.00 |
| 480 | ---- | ---- | ---- | ---- | 73.30 - | 1010 | 1.000 | ---- | ---- | 1 | UNCH | 47.70B | 10.50 |
| 485 | ---- | ---- | ---- | ---- | 68.30 - | 1010 | 1.000 | ---- | ---- | 1 | UNCH | 48.70B | 9.90 |
| 490 | ---- | ---- | ---- | ---- | 63.30 - | 1010 | .999 | ---- | ---- | 5 | UNCH | 51.00 | 10.00 |
| 500 | ---- | ---- | ---- | ---- | 53.30 - | 1010 | .999 | ---- | ---- | 20 | UNCH | 140.00B | 4.00 |
| 505 | ---- | ---- | ---- | ---- | 48.30 - | 1010 | .999 | ---- | ---- | 2 | UNCH | 93.00 | 11.00 |
| 510 | ---- | ---- | ---- | ---- | 43.30 - | 1020 | .998 | ---- | ---- | 1 | UNCH | 44.70B | 10.20A |
| 515 | ---- | ---- | ---- | ---- | 38.40 - | 1010 | .995 | ---- | ---- | 5 | UNCH | 42.60B | 15.90A |
| 520 | ---- | ---- | ---- | ---- | 33.40 - | 1020 | .990 | ---- | ---- | 2 | UNCH | 41.40B | 10.00 |
| 525 | ---- | ---- | ---- | ---- | 28.60 - | 1010 | .982 | ---- | ---- | 14 | UNCH | 43.20B | 7.00 |
| 530 | ---- | ---- | ---- | ---- | 23.80 - | 1010 | .964 | ---- | ---- | 4 | UNCH | 102.70B | 8.80A |
| 535 | ---- | ---- | ---- | ---- | 19.30 - | 1000 | .921 | ---- | ---- | 4 | UNCH | 39.50B | 3.90 |
| 540 | ---- | ---- | ---- | ---- | 15.00 - | 980 | .854 | ---- | ---- | 19 | UNCH | 47.70B | 4.60 |
| 545 | ---- | ---- | ---- | ---- | 11.10 - | 950 | .751 | ---- | ---- | 9 | UNCH | 89.50B | 3.20A |
| 550 | ---- | ---- | ---- | ---- | 7.80 - | 890 | .610 | ---- | ---- | 30 | UNCH | 85.20B | 2.00 |
| 555 | ---- | ---- | ---- | ---- | 5.20 - | 800 | .449 | ---- | 3 | 16 - | 3 | 80.80B | 2.00 |
| 560 | ---- | ---- | ---- | ---- | 3.20 - | 690 | .295 | ---- | ---- | 22 | UNCH | 76.50B | 2.20A |
| 565 | ---- | ---- | ---- | ---- | 1.90 - | 560 | .174 | ---- | ---- | 13 | UNCH | 78.00 | 2.30A |
| 570 | ---- | ---- | ---- | ---- | 1.10 - | 430 | .094 | ---- | 2 | 21 - | 1 | 74.10 | 1.60 |
| 575 | ---- | ---- | ---- | ---- | .60 - | 320 | .046 | ---- | ---- | 5 | UNCH | 63.60B | 1.80A |
| 580 | ---- | ---- | ---- | ---- | .40 - | 230 | .026 | ---- | ---- | 20 | UNCH | 46.10B | 1.00 |
| 585 | ---- | ---- | ---- | ---- | .20 - | 170 | .011 | ---- | ---- | 6 | UNCH | 45.90B | 2.60A |
| 590 | ---- | ---- | ---- | ---- | .10 - | 120 | .004 | ---- | ---- | 6 | UNCH | 51.50B | .10A |
| 595 | ---- | ---- | ---- | ---- | .10 - | 80 | .004 | ---- | ---- | 7 | UNCH | 47.10B | 2.90A |
| 600 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | 12 | 32 + | 9 | 44.20B | .10 |
| 605 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 15 | UNCH | 44.30B | 3.10A |
| 610 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 18 | UNCH | 42.80B | .40 |
| 615 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 22 | UNCH | 40.10B | .70 |
| 620 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 57 | UNCH | 38.00 | .40 |
| 625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 26 | UNCH | 35.00 | 3.50 |
| 630 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 54 | UNCH | 29.40B | 4.00 |
| 635 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 17 | UNCH | 25.80B | 2.00A |
| 640 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 52 | UNCH | 21.80B | 1.00 |
| 645 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 41 | UNCH | 18.70B | 3.50 |
| 650 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 26 | UNCH | 15.90B | 1.10 |
| 655 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 13.10B | 4.70 |
| 660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 10.80B | .20 |
| 665 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 8.40B | 5.00A |
| 670 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 7 | UNCH | 8.00 | .10 |
| 680 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | 2.50B | 1.40 |
| 685 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | 1.50B | .90 |
| 690 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 1.10B | .80A |
| TOTAL | | | | | | | | | 17 | 631 + | 5 | | |
| AUG18 | LUMBER CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| 535 | ---- | ---- | ---- | ---- | 22.60 - | 770 | .531 | ---- | ---- | 1 | UNCH | 58.70B | 16.00A |
| 550 | ---- | ---- | ---- | ---- | 15.60 - | 660 | .419 | ---- | ---- | 9 | UNCH | 49.40B | 11.00 |
| 560 | ---- | ---- | ---- | ---- | 11.80 - | 580 | .347 | ---- | ---- | 1 | UNCH | 42.50B | 9.20A |
| 570 | ---- | ---- | ---- | ---- | 8.60 + | NEW | .277 | ---- | 1 | 1 + | 1 | 35.90B | 7.10A |
| 585 | ---- | ---- | ---- | ---- | 5.00 - | 400 | .185 | ---- | ---- | 1 | UNCH | 26.90B | 7.20A |
| 600 | ---- | ---- | ---- | ---- | 2.70 - | 290 | .113 | ---- | ---- | 1 | UNCH | 18.90B | 4.60A |
| 620 | ---- | ---- | ---- | ---- | 1.10 - | 170 | .053 | ---- | ---- | 5 | UNCH | 5.20B | 3.70A |
| 650 | ---- | ---- | ---- | ---- | .30 - | 70 | .016 | ---- | ---- | 6 | UNCH | 5.50B | 1.20 |
| TOTAL | | | | | | | | | 1 | 25 + | 1 | | |
| SEP18 | LUMBER CALL | (FUTURES SETT. | 536.500 - | 930.0 ) | | | | | | | | | |
| 390 | ---- | ---- | ---- | ---- | 147.10 - | 950 | .976 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 450 | ---- | ---- | ---- | ---- | 92.00 - | 910 | .878 | ---- | ---- | 2 | UNCH | 80.00 | 80.00 |
| 475 | ---- | ---- | ---- | ---- | 71.70 - | 870 | .801 | ---- | ---- | 6 | UNCH | 63.40B | 10.00 |
| 480 | ---- | ---- | ---- | ---- | 67.90 - | 860 | .782 | ---- | ---- | 5 | UNCH | 69.20B | 10.00 |
| 485 | ---- | ---- | ---- | ---- | 64.20 - | 840 | .764 | ---- | ---- | 5 | UNCH | 69.60B | 10.00 |
| 490 | ---- | ---- | ---- | ---- | 60.50 - | 830 | .745 | ---- | ---- | 10 | UNCH | 104.00 | 10.00 |
| 525 | ---- | ---- | ---- | ---- | 37.50 - | 760 | .587 | ---- | ---- | 6 | UNCH | 66.60B | 28.90A |
| 550 | ---- | ---- | ---- | ---- | 24.50 - | 690 | .457 | ---- | ---- | 46 | UNCH | 63.10B | .90 |
| 570 | ---- | ---- | ---- | ---- | 16.30 - | 600 | .352 | ---- | ---- | 8 | UNCH | 56.50B | 13.30A |
| 575 | ---- | ---- | ---- | ---- | 14.60 - | 570 | .326 | ---- | ---- | 25 | UNCH | 60.50B | 12.50A |
| 580 | ---- | ---- | ---- | ---- | 13.00 - | 540 | .301 | ---- | 1 | 32 + | 1 | 58.00B | 11.50A |
| 585 | ---- | ---- | ---- | ---- | 11.40 - | 530 | .276 | ---- | ---- | 41 | UNCH | 56.80B | 4.50 |
| 590 | ---- | ---- | ---- | ---- | 9.90 - | 520 | .250 | ---- | ---- | 18 | UNCH | 53.60B | 6.50 |
| 595 | ---- | ---- | ---- | ---- | 8.60 - | 500 | .226 | ---- | ---- | 10 | UNCH | 49.80B | 8.60A |
| 600 | ---- | ---- | ---- | ---- | 7.50 - | 470 | .205 | ---- | 11 | 22 + | 10 | 46.10B | 7.00 |
| 605 | ---- | ---- | ---- | ---- | 6.50 - | 440 | .184 | ---- | 4 | 22 + | 4 | 42.60B | 4.80 |
| 610 | ---- | ---- | ---- | ---- | 5.60 - | 410 | .164 | ---- | ---- | 7 | UNCH | 39.00B | 1.30 |
| 615 | ---- | ---- | ---- | ---- | 4.80 - | 390 | .146 | ---- | ---- | 13 | UNCH | 35.80B | 5.10 |
| 620 | ---- | ---- | ---- | ---- | 4.20 - | 360 | .130 | ---- | ---- | 41 | UNCH | 32.60B | 5.50A |
| 625 | ---- | ---- | ---- | ---- | 3.70 - | 320 | .117 | ---- | ---- | 12 | UNCH | 29.40B | 5.30A |
| 630 | ---- | ---- | ---- | ---- | 3.30 - | 280 | .106 | ---- | ---- | 31 | UNCH | 26.30B | 4.40A |
| 635 | ---- | ---- | ---- | ---- | 2.90 - | 250 | .095 | ---- | ---- | 4 | UNCH | 23.40B | 4.10A |
| 640 | ---- | ---- | ---- | ---- | 2.50 - | 230 | .084 | ---- | ---- | 10 | UNCH | 20.60B | 3.90A |
| 645 | ---- | ---- | ---- | ---- | 2.20 - | 210 | .075 | ---- | ---- | 8 | UNCH | 18.10B | 5.20A |
| 650 | ---- | ---- | ---- | ---- | 2.00 - | 180 | .068 | ---- | ---- | 23 | UNCH | 15.60B | 3.10A |
| 655 | ---- | ---- | ---- | ---- | 1.80 - | 160 | .062 | ---- | ---- | 10 | UNCH | 13.30B | 4.20A |
| 660 | ---- | ---- | ---- | ---- | 1.60 - | 150 | .056 | ---- | ---- | 2 | UNCH | 11.30B | 4.20A |
| 665 | ---- | ---- | ---- | ---- | 1.40 - | 140 | .050 | ---- | ---- | 21 | UNCH | 9.40B | 5.30 |
| 670 | ---- | ---- | ---- | ---- | 1.20 - | 130 | .043 | ---- | ---- | 4 | UNCH | 7.70B | 5.00A |
| 690 | ---- | ---- | ---- | ---- | .80 - | 80 | .029 | ---- | ---- | 10 | UNCH | 3.00 | 3.00 |
| 700 | ---- | ---- | ---- | ---- | .70 - | 70 | .025 | ---- | ---- | 8 | UNCH | 2.40B | .40 |
| 715 | ---- | ---- | ---- | ---- | .50 - | 50 | .018 | ---- | ---- | 5 | UNCH | 1.30B | 1.10 |
| TOTAL | | | | | | | | | 16 | 469 + | 15 | | |
| NOV18 | LUMBER CALL | (FUTURES SETT. | 500.500 - | 950.0 ) | | | | | | | | | |
| 530 | ---- | ---- | ---- | ---- | 23.90 - | 580 | .408 | ---- | ---- | 1 | UNCH | 61.50B | 27.90A |
| 535 | ---- | ---- | ---- | ---- | 21.80 - | 580 | .385 | ---- | ---- | 2 | UNCH | 57.90B | 21.00 |
| 540 | ---- | ---- | ---- | ---- | 19.80 - | 570 | .363 | ---- | ---- | 1 | UNCH | 54.20B | 23.90A |
| 570 | ---- | ---- | ---- | ---- | 10.50 - | 460 | .235 | ---- | ---- | 3 | UNCH | 34.20B | 13.10A |
| 590 | ---- | ---- | ---- | ---- | 6.40 - | 360 | .164 | ---- | ---- | 5 | UNCH | 28.80B | 9.40A |
| 600 | ---- | ---- | ---- | ---- | 4.80 - | 310 | .132 | ---- | ---- | 17 | UNCH | 23.50B | 6.00A |
| 615 | ---- | ---- | ---- | ---- | 3.00 - | 260 | .091 | ---- | ---- | 4 | UNCH | 11.80B | 4.90A |
| 620 | ---- | ---- | ---- | ---- | 2.60 - | 240 | .081 | ---- | ---- | 14 | UNCH | 10.00B | 4.10A |
| 635 | ---- | ---- | ---- | ---- | 1.60 - | 190 | .054 | ---- | ---- | 6 | UNCH | 5.50B | 4.80A |
| 640 | ---- | ---- | ---- | ---- | 1.40 - | 180 | .048 | ---- | ---- | 5 | UNCH | 5.00 | 5.00 |
| 645 | ---- | ---- | ---- | ---- | 1.20 - | 170 | .042 | ---- | ---- | 5 | UNCH | 4.00 | 4.00 |
| 650 | ---- | ---- | ---- | ---- | 1.00 - | 160 | .036 | ---- | ---- | 5 | UNCH | 4.00 | 4.00 |
| 700 | ---- | ---- | ---- | ---- | .20 - | 70 | .008 | ---- | ---- | 20 | UNCH | 1.00 | .80 |
| TOTAL | | | | | | | | | 0 | 88 | | | |

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**FINAL**



LUMBER PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LUMBER PUT | | | | | | | | | | | |
| JUL18 | LUMBER PUT | (FUTURES SETT. | 553.300 - | 1010.0 ) | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 1 | UNCH .60 | .30A |
| 340 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 12 | UNCH .80 | .80 |
| 345 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 1 | UNCH 2.70 | 2.70 |
| 355 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 1 | UNCH 1.20 | .20 |
| 365 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 1 | UNCH 4.20B | 1.00A |
| 370 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 10 | UNCH 4.70B | 1.80 |
| 380 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 6 | UNCH 5.90B | 2.50 |
| 390 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 4 | UNCH 7.30B | 3.40A |
| 400 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 46 | UNCH 8.90B | .70 |
| 415 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 2 | UNCH 11.80B | .10 |
| 420 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 8 | UNCH 12.90B | .60 |
| 430 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 2 | UNCH 15.30B | 2.70A |
| 440 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 4 | UNCH 18.10B | 2.30A |
| 445 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 4 | UNCH 19.70B | 1.50 |
| 450 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 8 | UNCH 21.40B | .50 |
| 455 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 48 | UNCH 23.50B | 2.50A |
| 460 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 25 | UNCH 26.20B | .30 |
| 465 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 4 | UNCH 27.80B | 4.40A |
| 470 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 11 | UNCH 29.60B | 3.90 |
| 475 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 7 | UNCH 31.80B | 3.00A |
| 480 | ---- | ---- | ---- | ---- | CAB | ---- ---- | ---- | ---- | 29 | UNCH 34.40B | 2.00 |
| 490 | ---- | ---- | ---- | ---- | CAB | ---- .000 | ---- | ---- | 5 | UNCH 39.60B | 1.60A |
| 495 | ---- | ---- | ---- | ---- | CAB | ---- .000 | ---- | ---- | 30 | UNCH 42.80B | 1.70A |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- .000 | ---- | ---- | 96 | UNCH 45.40B | .50 |
| 505 | ---- | ---- | ---- | ---- | CAB | ---- .000 | ---- | ---- | 1 | UNCH 47.80B | 2.20A |
| 510 | ---- | ---- | ---- | ---- | CAB | ---- .001 | ---- | ---- | 25 | UNCH 49.30B | 2.50A |
| 515 | ---- | ---- | ---- | ---- | .10 | UNCH .004 | ---- | ---- | 25 | UNCH 52.80B | 2.70A |
| 520 | ---- | ---- | ---- | ---- | .20 | UNCH .009 | ---- | ---- | 17 | UNCH 56.50B | 2.90 |
| 525 | ---- | ---- | ---- | ---- | .30 | UNCH .017 | ---- | ---- | 19 | UNCH 35.50B | 3.40A |
| 530 | ---- | ---- | ---- | ---- | .50 | UNCH .035 | ---- | ---- | 15 | UNCH 38.60B | 2.10 |
| 535 | ---- | ---- | ---- | ---- | 1.00 + | 10 .078 | ---- | ---- | 11 | UNCH 40.00B | 4.30A |
| 540 | ---- | ---- | ---- | ---- | 1.70 + | 30 .145 | ---- | ---- | 23 | UNCH 40.30B | 3.10A |
| 545 | ---- | ---- | ---- | ---- | 2.80 + | 60 .248 | ---- | 7 | 19 + | 7 28.20B | 2.50 |
| 550 | ---- | ---- | ---- | ---- | 4.50 + | 120 .389 | ---- | 2 | 43 | UNCH 30.80B | 2.20 |
| 555 | ---- | ---- | ---- | ---- | 6.90 + | 210 .550 | ---- | 1 | 3 | UNCH 44.70B | 5.00 |
| 560 | ---- | ---- | ---- | ---- | 9.90 + | 320 .704 | ---- | ---- | 29 | UNCH 40.00 | 7.50 |
| 565 | ---- | ---- | ---- | ---- | 13.60 + | 450 .825 | ---- | ---- | 2 | UNCH 30.30B | 6.50 |
| 570 | ---- | ---- | ---- | ---- | 17.80 + | 580 .905 | ---- | ---- | 40 | UNCH 51.00 | 6.80 |
| 575 | ---- | ---- | ---- | ---- | 22.30 + | 690 .953 | ---- | ---- | 3 | UNCH 32.00 | 8.00A |
| 580 | ---- | ---- | ---- | ---- | 27.00 + | 770 .973 | ---- | ---- | 33 | UNCH 31.00 | 9.00 |
| 585 | ---- | ---- | ---- | ---- | 31.90 + | 840 .988 | ---- | ---- | 3 | UNCH 32.10B | 11.90A |
| 590 | ---- | ---- | ---- | ---- | 36.80 + | 890 .995 | ---- | 1 | 9 - | 1 65.50 | 8.40A |
| 595 | ---- | ---- | ---- | ---- | 41.70 + | 920 .996 | ---- | ---- | 22 | UNCH 39.00 | 8.90A |
| 600 | ---- | ---- | ---- | ---- | 46.70 + | 950 .998 | ---- | ---- | 9 | UNCH 72.00 | 9.10A |
| 605 | ---- | ---- | ---- | ---- | 51.70 + | 970 .999 | ---- | ---- | 4 | UNCH 46.00 | 9.80 |
| 610 | ---- | ---- | ---- | ---- | 56.70 + | 980 .999 | 3 | ---- | 17 - | 3 50.00 | 11.10 |
| 615 | ---- | ---- | ---- | ---- | 61.70 + | 990 .999 | ---- | ---- | 2 | UNCH 54.00 | 12.30 |
| 620 | ---- | ---- | ---- | ---- | 66.70 + | 1000 .999 | ---- | ---- | 3 | UNCH 57.00 | 13.50 |
| 625 | ---- | ---- | ---- | ---- | 71.70 + | 1000 1.000 | ---- | ---- | 3 | UNCH 57.00 | 14.10 |
| 630 | ---- | ---- | ---- | ---- | 76.70 + | 1000 1.000 | ---- | ---- | 1 | UNCH 67.00 | 16.70 |
| 635 | ---- | ---- | ---- | ---- | 81.70 + | 1000 1.000 | ---- | ---- | 7 | UNCH 67.00 | 18.90 |
| 640 | ---- | ---- | ---- | ---- | 86.70 + | 1010 1.000 | ---- | ---- | 5 | UNCH 70.00 | 21.40A |
| TOTAL | | | | | | | | 11 | 758 + | 3 | |
| AUG18 | LUMBER PUT | (FUTURES SETT. | .00) | | | | | | | | |
| 450 | ---- | ---- | ---- | ---- | 1.60 - | 10 .055 | ---- | ---- | 1 | UNCH 6.60B | 3.10A |
| 470 | ---- | ---- | ---- | ---- | 3.30 - | 20 .105 | ---- | ---- | 3 | UNCH 12.10B | 3.90 |
| 475 | ---- | ---- | ---- | ---- | 3.90 - | 20 .122 | ---- | ---- | 3 | UNCH 13.50B | 4.80A |
| 480 | ---- | ---- | ---- | ---- | 4.60 - | 10 .140 | ---- | ---- | 3 | UNCH 15.50B | 5.10 |
| 490 | ---- | ---- | ---- | ---- | 6.30 - | 10 .184 | ---- | ---- | 7 | UNCH 19.10B | 6.10 |
| 500 | ---- | ---- | ---- | ---- | 8.50 + | 10 .235 | ---- | ---- | 7 | UNCH 23.50B | 8.70A |
| 505 | ---- | ---- | ---- | ---- | 9.80 + | 20 .264 | ---- | 1 | ---- | 1 25.70B | 9.60A |
| 510 | ---- | ---- | ---- | ---- | 11.30 + | 40 .295 | ---- | ---- | 1 | UNCH 31.30 | 10.50A |
| 520 | ---- | ---- | ---- | ---- | 14.70 + | 80 .361 | ---- | ---- | 10 | UNCH 33.50B | 12.40A |
| 535 | ---- | ---- | ---- | ---- | 21.10 + | 160 .468 | ---- | ---- | 2 | UNCH 42.70B | 15.40 |
| 545 | ---- | ---- | ---- | ---- | 26.30 + | 240 .543 | ---- | ---- | 2 | UNCH 46.70B | 18.80A |
| 550 | ---- | ---- | ---- | ---- | 29.10 + | 270 .580 | ---- | ---- | 3 | UNCH 42.50B | 20.20A |
| TOTAL | | | | | | | | 1 | 42 - | 1 | |
| SEP18 | LUMBER PUT | (FUTURES SETT. | 536.500 - | 930.0 ) | | | | | | | |
| 345 | ---- | ---- | ---- | ---- | .10 - | 10 .003 | ---- | ---- | 2 | UNCH .80 | .80 |
| 350 | ---- | ---- | ---- | ---- | .20 - | 10 .005 | ---- | ---- | 1 | UNCH 1.80 | 1.80 |
| 365 | ---- | ---- | ---- | ---- | .30 - | 20 .008 | ---- | ---- | 4 | UNCH 1.00 | .90 |
| 380 | ---- | ---- | ---- | ---- | .60 - | 20 .016 | ---- | ---- | 64 | UNCH 5.50B | 2.00 |
| 385 | ---- | ---- | ---- | ---- | .70 - | 20 .019 | ---- | ---- | 4 | UNCH 2.00 | 1.30 |
| 390 | ---- | ---- | ---- | ---- | .90 - | 20 .023 | ---- | ---- | 4 | UNCH 2.30 | 1.50 |
| 400 | ---- | ---- | ---- | ---- | 1.20 - | 30 .031 | ---- | ---- | 1 | UNCH 2.30 | 2.30 |
| 410 | ---- | ---- | ---- | ---- | 1.80 - | 20 .044 | ---- | ---- | 2 | UNCH 5.20 | 2.50 |
| 420 | ---- | ---- | ---- | ---- | 2.40 - | 20 .057 | ---- | ---- | 2 | UNCH 7.30B | 1.40 |
| 440 | ---- | ---- | ---- | ---- | 4.40 | UNCH .097 | ---- | ---- | 1 | UNCH 11.50B | 3.90A |
| 450 | ---- | ---- | ---- | ---- | 5.70 + | 10 .121 | ---- | ---- | 8 | UNCH 14.10B | 2.20 |
| 455 | ---- | ---- | ---- | ---- | 6.50 + | 20 .135 | ---- | ---- | 100 | UNCH 15.50B | 5.90A |
| 460 | ---- | ---- | ---- | ---- | 7.40 + | 30 .150 | ---- | ---- | 11 | UNCH 17.00B | 6.30A |
| 465 | ---- | ---- | ---- | ---- | 8.30 + | 40 .165 | ---- | ---- | 1 | UNCH 21.90 | 6.80A |
| 470 | ---- | ---- | ---- | ---- | 9.30 + | 50 .181 | ---- | ---- | 15 | UNCH 20.30B | 7.30A |
| 475 | ---- | ---- | ---- | ---- | 10.40 + | 60 .198 | ---- | ---- | 4 | UNCH 22.10B | 8.00A |
| 480 | ---- | ---- | ---- | ---- | 11.60 + | 70 .217 | ---- | ---- | 1 | UNCH 23.90B | 8.40A |
| 485 | ---- | ---- | ---- | ---- | 12.80 + | 80 .235 | ---- | ---- | 2 | UNCH 25.80B | 7.70 |
| 490 | ---- | ---- | ---- | ---- | 14.10 + | 90 .254 | ---- | ---- | 27 | UNCH 27.90B | 12.00 |
| 500 | ---- | ---- | ---- | ---- | 17.00 + | 110 .296 | ---- | ---- | 86 | UNCH 37.00 | 6.00 |
| 510 | ---- | ---- | ---- | ---- | 20.30 + | 130 .340 | ---- | ---- | 80 | UNCH 37.40B | 12.90A |
| 515 | ---- | ---- | ---- | ---- | 22.10 + | 140 .364 | ---- | ---- | 2 | UNCH 39.60B | 13.40A |
| 520 | ---- | ---- | ---- | ---- | 24.00 + | 150 .388 | ---- | ---- | 10 | UNCH 42.50B | 14.50 |
| 525 | ---- | ---- | ---- | ---- | 26.00 + | 160 .412 | ---- | ---- | 10 | UNCH 45.00B | 15.30A |
| 530 | ---- | ---- | ---- | ---- | 28.10 + | 170 .437 | ---- | ---- | 20 | UNCH 47.80B | 16.00 |
| 535 | ---- | ---- | ---- | ---- | 30.40 + | 180 .463 | ---- | ---- | 3 | UNCH 50.40B | 17.40A |
| 540 | ---- | ---- | ---- | ---- | 32.80 + | 200 .489 | ---- | ---- | 5 | UNCH 53.90B | 18.50A |
| 545 | ---- | ---- | ---- | ---- | 35.30 + | 220 .515 | ---- | ---- | 9 | UNCH 57.10B | 19.70A |
| 550 | ---- | ---- | ---- | ---- | 38.00 + | 240 .542 | ---- | ---- | 11 | UNCH 60.40B | 13.00 |
| 555 | ---- | ---- | ---- | ---- | 40.70 + | 260 .568 | ---- | ---- | 8 | UNCH 63.60B | 22.30A |
| 570 | ---- | ---- | ---- | ---- | 49.70 + | 330 .647 | ---- | ---- | 8 | UNCH 67.50 | 17.80 |
| 575 | ---- | ---- | ---- | ---- | 53.00 + | 360 .673 | ---- | ---- | 1 | UNCH 66.40B | 27.90A |
| 580 | ---- | ---- | ---- | ---- | 56.40 + | 390 .698 | ---- | ---- | 16 | UNCH 70.00B | 22.50A |
| 585 | ---- | ---- | ---- | ---- | 59.80 + | 400 .723 | ---- | ---- | 1 | UNCH 71.70B | 23.70A |
| 600 | ---- | ---- | ---- | ---- | 70.80 + | 460 .794 | ---- | ---- | 3 | UNCH 68.80B | 23.20 |
| 655 | ---- | ---- | ---- | ---- | 120.00 + | 770 .937 | ---- | ---- | 2 | UNCH 49.50B | ---- |
| TOTAL | | | | | | | | 0 | 529 | | |
| NOV18 | LUMBER PUT | (FUTURES SETT. | 500.500 - | 950.0 ) | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | 1.40 - | 20 .028 | ---- | ---- | 1 | UNCH 2.30B | 1.80 |
| 335 | ---- | ---- | ---- | ---- | 1.60 - | 20 .031 | ---- | ---- | 1 | UNCH 2.60B | 2.10 |
| 340 | ---- | ---- | ---- | ---- | 1.80 - | 20 .035 | ---- | ---- | 3 | UNCH 2.30 | 2.30 |
| 350 | ---- | ---- | ---- | ---- | 2.40 - | 20 .045 | ---- | ---- | 15 | UNCH 3.10 | 2.40 |
| 380 | ---- | ---- | ---- | ---- | 5.30 + | 30 .090 | ---- | ---- | 1 | UNCH 9.30 | 9.30 |
| 390 | ---- | ---- | ---- | ---- | 6.60 + | 50 .109 | ---- | ---- | 3 | UNCH 8.00 | 2.30 |
| 400 | ---- | ---- | ---- | ---- | 8.10 + | 70 .130 | ---- | ---- | 1 | UNCH 15.00 | 13.70A |
| 420 | ---- | ---- | ---- | ---- | 11.80 + | 110 .179 | ---- | 1 | ---- | 1 13.70B | 7.50 |
| 500 | ---- | ---- | ---- | ---- | 38.20 + | 330 .459 | ---- | ---- | 2 | UNCH 53.40B | 14.00A |
| TOTAL | | | | | | | | 1 | 27 - | 1 | |

OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES |
|---|---|---|---|---|---|---|
| LUMBER CALL | LUMBER OPTIONS | | | | | |
| JUL18 CALL | | | | | | |
| ZL | 480 | ---- | ---- | ---- | ---- | 10 |
| ZL | 495 | ---- | ---- | ---- | ---- | 4 |
| ZL | 500 | ---- | ---- | ---- | ---- | 6 |
| TOTALS | | 0 | 0 | 0 | 0 | 20 |

LUMBER PUT LUMBER OPTIONS
JUL18 PUT

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| | | | | | | |
|---|---|---|---|---|---|---|
| ZL | 605 | ---- | ---- | ---- | ---- | 1 |
| ZL | 610 | ---- | ---- | ---- | 3 | 3 |
| ZL | 615 | ---- | ---- | ---- | ---- | 3 |
| TOTALS | | 0 | 0 | 0 | 3 | 7 |

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FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND on CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

EXPIRATION:

## WEATHER AND HURRICANE FUTURES & OPTIONS CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 |
|---|---|---|---|
| WEATHERS* | 06/05 | 06/05 | 06/05 |

* ALL WEATHER CONTRACTS EXPIRE ON THE SECOND BUSINESS DAY OF EACH MONTH.

## WEATHER STRIPS INDEX FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | | | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C DLS STP JUL F | | | | | | | | | | | |
| AUG18 | ---- | ---- | ---- | 1386.0 | + | UNCH | ---- | 600 | UNCH | ---- | ---- |
| TOTAL C DLS STP JUL F | | | | | | | 0 | 600 | | | |

## EX-PIT & OTHER BREAKDOWN

| | -----DELIVERY------ CASH OR PHYSICAL DAILY | MTH-TO-DATE | EFP DAILY TOTALS | EFP M-T-D TOTALS | EFS DAILY TOTALS | EFR DAILY TOTALS | BLOCKS DAILY TOTALS | BLOCKS M-T-D TOTALS | TAS DAILY TOTALS | TRANSFERS DAILY TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| **K5N** CDD U.S. SEAS STRIP FUTURES | | | | | | | | | | |
| TOTALS: | | | | | | | | 550 | | 0 |

## WEATHER OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 | JUN18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24K | | | | 100.0-120.0 | | | | | | | | | |
| 25N | | | 127.8-148.8 | | | | | | | | | | |

## HDD & CDD WEATHER OPTIONS ON FUTURES

## HURRICANE SEASONAL BINARY OPTIONS ON FUTURES

## HDD & CDD WEATHER STRIPS OPTIONS ON FUTURES

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C DLS STP JUL C | | | | | | | | | | | | | |
| AUG18 | C DLS STP JUL C | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1478 | ---- | ---- | ---- | ---- | 18.0 | UNCH | .236 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1488 | ---- | ---- | ---- | ---- | 16.0 | UNCH | .214 | ---- | ---- | 50 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 100 | | | |
| C DLS STP JUL P | | | | | | | | | | | | | |
| AUG18 | C DLS STP JUL P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1278 | ---- | ---- | ---- | ---- | 15.0 | UNCH | .202 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1288 | ---- | ---- | ---- | ---- | 17.0 | UNCH | .224 | ---- | ---- | 50 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 100 | | | |
| C NYK STP MAY P | | | | | | | | | | | | | |
| SEP18 | C NYK STP MAY P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | 1.0 | UNCH | .013 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 1200 | ---- | ---- | ---- | ---- | 11.0 | UNCH | .113 | ---- | ---- | 250 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 500 | | | |

## OPTIONS EOO's, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| C DLS STP JUL C CDD U.S. SEAS STRIP OPTIONS | | | | | | | |
| AUG18 CALL | | | | | | | |
| 25N | 1488 | | | 50 | | | 0.00 |
| TOTALS | | 0 | 0 | 50 | 0 | 0 | 0 |
| C DLS STP JUL P CDD U.S. SEAS STRIP OPTIONS | | | | | | | |
| AUG18 PUT | | | | | | | |
| 25N | 1288 | | | 50 | | | 0.00 |
| TOTALS | | 0 | 0 | 50 | 0 | 0 | 0 |

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# MILK , CLASS IV MILK & DRY WHEY OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### MILK & DRY WHEY OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DY0 | 1.0-75.0 | 1.0-73.0 | 1.0-73.0 | 1.0-73.0 | 1.0-73.0 | 1.0-73.0 | 13.0-73.0 | 13.0-73.0 | 15.0-73.0 | 15.0-73.0 | 16.0-73.0 | 16.0-73.0 | 16.0-73.0 |
| DZ | 12.5-275.0 | 15.0-310.0 | 17.5-325.0 | 20.0-332.5 | 22.5-332.5 | 22.5-332.5 | 22.5-332.5 | 25.0-287.5 | 27.5-287.5 | 27.5-287.5 | 30.0-287.5 | 35.0-287.5 | 35.0-287.5 |
| OA | 17.5-255.0 | 15.0-255.0 | 22.5-255.0 | 30.0-255.0 | 30.0-255.0 | 30.0-255.0 | 30.0-255.0 | 27.5-247.5 | 30.0-250.0 | 30.0-250.0 | 30.0-255.0 | 30.0-255.0 | 30.0-255.0 |

### MIDI MILK, NONFAT DRY MILK, BUTTER AND CASH BUTTER CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS IV MILK | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| CLASS IV OPT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| DRY WHEY FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| DRY WHEY OPT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| MILK FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| MILK OPT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |

### MILK & DRY WHEY FUTURES

| | OPENING RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MILK FUT | | | | | | | | | | | |
| JUN18 | 15.23 | 15.26 | 15.23 | ---- | 15.23 + 1 | ---- | 57 | 2890 + 2 | ---- | 5540 | 16.44 |
| JUL18 | 14.10 | 14.35 | 14.06 | ---- | 14.29 + 23 | ---- | 535 | 3949 - 21 | 197 | 4902 | 15.82 |
| AUG18 | 14.94 | 15.30 | 14.93 | ---- | 15.27 + 39 | ---- | 355 | 3686 + 11 | 329 | 4144 | 16.60 |
| SEP18 | 15.65 | 15.92 | 15.60 | ---- | 15.89 + 32 | ---- | 240 | 3265 - 12 | 256 | 4210 | 16.78 |
| OCT18 | 15.81 | 16.05 | 15.78 | ---- | 16.03 + 26 | ---- | 228 | 2755 + 82 | 93 | 3034 | 16.97 |
| NOV18 | 15.78 | 16.06 | 15.77 | ---- | 15.96 + 23 | ---- | 130 | 2282 + 4 | 37 | 2664 | 16.97 |
| DEC18 | 15.72 | 15.97 | 15.72 | ---- | 15.88 + 18 | ---- | 127 | 2065 - 14 | 20 | 2527 | 16.82 |
| JAN19 | 15.66 | 15.81 | 15.62A | ---- | 15.79 + 16 | ---- | 30 | 728 + 13 | 30 | 814 | 16.57 |
| FEB19 | 15.61 | 15.80 | 15.61 | ---- | 15.79 + 14 | ---- | 5 | 533 - 3 | 18 | 763 | 16.50 |
| MAR19 | 15.72 | 15.77B | 15.71 | ---- | 15.74 + 8 | ---- | 5 | 423 + 4 | 10 | 656 | 16.48 |
| APR19 | 15.81 | 15.88 | 15.81 | ---- | 15.85 + 8 | ---- | 3 | 382 + 3 | 2 | 500 | 16.37 |
| MAY19 | ---- | ---- | ---- | ---- | 15.90 UNCH | ---- | ---- | 244 UNCH | 14 | 506 | 16.42 |
| JUN19 | ---- | ---- | ---- | ---- | 16.00 UNCH | ---- | ---- | 182 UNCH | 13 | 446 | 16.59 |
| JUL19 | ---- | ---- | ---- | ---- | 16.20 UNCH | ---- | ---- | 68 UNCH | 2 | 124 | 16.73 |
| AUG19 | ---- | ---- | ---- | ---- | 16.46 UNCH | ---- | ---- | 102 UNCH | 12 | 121 | 16.80 |
| SEP19 | ---- | ---- | ---- | ---- | 16.63 UNCH | ---- | ---- | 75 UNCH | 18 | 130 | 16.86 |
| OCT19 | ---- | ---- | ---- | ---- | 16.50 UNCH | ---- | ---- | 78 UNCH | ---- | 79 | 16.86 |
| NOV19 | ---- | ---- | ---- | ---- | 16.43 UNCH | ---- | ---- | 69 UNCH | ---- | 81 | 16.76 |
| DEC19 | ---- | ---- | ---- | ---- | 16.25 UNCH | ---- | ---- | 61 UNCH | ---- | 78 | 16.66 |
| TOTAL MILK FUT | | | | | | 0 | 1715 | 23837 + 69 | 1051 | 31319 | |
| CLASS IV MILK | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | ---- | 14.91 UNCH | ---- | ---- | 185 UNCH | ---- | 534 | 15.89 |
| JUL18 | ---- | 14.35B | ---- | ---- | 14.35 + 12 | ---- | ---- | 207 UNCH | 5 | 489 | 16.76 |
| AUG18 | ---- | 14.39B | 14.32A | ---- | 14.37 + 1 | ---- | 1 | 196 UNCH | 5 | 431 | 16.88 |
| SEP18 | ---- | 14.60B | ---- | ---- | 14.59 UNCH | ---- | 1 | 162 UNCH | 5 | 430 | 16.95 |
| OCT18 | ---- | ---- | 14.85A | ---- | 14.89 UNCH | ---- | 1 | 150 UNCH | 10 | 463 | 17.07 |
| NOV18 | ---- | 15.02B | ---- | ---- | 15.01 + 5 | ---- | 1 | 163 UNCH | 5 | 365 | 17.13 |
| DEC18 | ---- | ---- | ---- | ---- | 15.08 UNCH | ---- | 1 | 141 UNCH | 5 | 421 | 16.56 |
| JAN19 | ---- | ---- | 15.08A | ---- | 15.09 UNCH | ---- | 1 | 112 + 1 | ---- | 117 | 16.15 |
| FEB19 | ---- | ---- | 15.18A | ---- | 15.19 UNCH | ---- | ---- | 102 UNCH | ---- | 135 | 16.24 |
| MAR19 | ---- | ---- | 15.35A | ---- | 15.45 UNCH | ---- | ---- | 98 UNCH | ---- | 176 | 16.40 |
| APR19 | ---- | ---- | 15.55A | ---- | 15.60 UNCH | ---- | ---- | 38 UNCH | ---- | 95 | 16.49 |
| MAY19 | ---- | ---- | ---- | ---- | 16.00 UNCH | ---- | ---- | 2 UNCH | ---- | 88 | 16.50 |
| JUN19 | ---- | ---- | ---- | ---- | 16.05 UNCH | ---- | ---- | 2 UNCH | ---- | 95 | 16.50 |
| TOTAL CLASS IV MILK | | | | | | 0 | 6 | 1558 + 1 | 35 | 3839 | |
| DRY WHEY FUT | | | | | | | | | | | |
| JUN18 | 30.60 | 31.05 | 30.60 | ---- | 30.63 + 10 | ---- | 45 | 400 + 14 | ---- | 939 | 49.17 |
| JUL18 | 31.82 | 32.60B | 31.78 | ---- | 32.50 + 67 | ---- | 15 | 554 + 13 | 8 | 792 | 46.25 |
| AUG18 | 31.40 | 33.00 | 31.40 | ---- | 33.00 + 175 | ---- | 24 | 559 + 18 | 4 | 665 | 43.60 |
| SEP18 | 31.25 | 32.33B | 31.25 | ---- | 31.95 + 117 | ---- | 9 | 515 + 9 | 2 | 622 | 41.00 |
| OCT18 | 30.55 | 31.88B | 30.55 | ---- | 30.83 + 27 | ---- | 6 | 461 + 1 | 6 | 480 | 39.55 |
| NOV18 | 30.75 | 31.33B | 30.30 | ---- | 30.33 + 20 | ---- | 7 | 506 + 2 | 4 | 466 | 39.43 |
| DEC18 | 30.50 | 31.85B | 30.50 | ---- | 31.00 + 125 | ---- | 7 | 540 - 4 | ---- | 467 | 39.18 |
| JAN19 | ---- | 31.00B | ---- | ---- | 30.00 UNCH | ---- | ---- | 131 UNCH | 2 | 124 | 38.03 |
| FEB19 | 31.00 | 31.00 | 31.00 | ---- | 30.00 UNCH | ---- | 1 | 99 UNCH | 2 | 141 | 38.25 |
| MAR19 | ---- | 30.05B | ---- | ---- | 30.00 UNCH | ---- | ---- | 126 UNCH | 2 | 118 | 38.25 |
| APR19 | ---- | ---- | ---- | ---- | 31.00 UNCH | ---- | ---- | 52 UNCH | 2 | 82 | 38.75 |
| MAY19 | ---- | ---- | ---- | ---- | 31.90 UNCH | ---- | ---- | 55 UNCH | 2 | 65 | 38.30 |
| JUN19 | ---- | ---- | ---- | ---- | 32.20 UNCH | ---- | ---- | 44 UNCH | 2 | 70 | 38.33 |
| JUL19 | ---- | ---- | ---- | ---- | 34.05 UNCH | ---- | ---- | 7 UNCH | ---- | 9 | 38.00 |
| AUG19 | ---- | ---- | ---- | ---- | 35.43 UNCH | ---- | ---- | 7 UNCH | ---- | 9 | 37.08 |
| SEP19 | ---- | ---- | ---- | ---- | 39.48 UNCH | ---- | ---- | 5 UNCH | ---- | 9 | 37.10 |
| OCT19 | ---- | ---- | ---- | ---- | 40.90 UNCH | ---- | ---- | 5 UNCH | ---- | 8 | 38.53 |
| NOV19 | ---- | ---- | ---- | ---- | 41.90 UNCH | ---- | ---- | 5 UNCH | ---- | 8 | 38.53 |
| DEC19 | ---- | ---- | ---- | ---- | 43.38 UNCH | ---- | ---- | 5 UNCH | ---- | 8 | 38.53 |
| TOTAL DRY WHEY FUT | | | | | | 0 | 114 | 4076 + 53 | 36 | 5082 | |

### MILK CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MILK CALL | | | | | | | | | | | |
| JUN18 | MILK CALL | | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .98+ 1 | 1.000 | ---- | ---- | 85 UNCH | 1.04B | .57A |
| 1450 | ---- | ---- | ---- | ---- | .73+ 1 | 1.000 | ---- | ---- | 208 UNCH | 1.55 | .48A |
| 1475 | ---- | ---- | ---- | ---- | .48+ 1 | .999 | ---- | ---- | 116 UNCH | 1.22B | .37A |
| 1500 | ---- | ---- | ---- | ---- | .23+ 1 | .940 | ---- | ---- | 310 UNCH | 1.11B | .29A |
| 1525 | ---- | ---- | ---- | ---- | .01 UNCH | .322 | ---- | ---- | 496 UNCH | 1.01B | .03 |
| 1550 | ---- | ---- | ---- | ---- | CAB ---- | .054 | ---- | ---- | 821 UNCH | .86B | .01 |
| 1575 | ---- | ---- | ---- | ---- | CAB ---- | .001 | ---- | ---- | 653 UNCH | .76B | .01 |
| 1600 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 905 UNCH | .77B | .02 |
| 1625 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 607 UNCH | .66B | .02 |
| 1650 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 426 UNCH | .96 | .02 |
| 1675 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 192 UNCH | .46B | .01 |
| 1700 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 277 UNCH | .73 | .01A |
| 1725 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 111 UNCH | .64 | .02A |
| 1750 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 260 UNCH | .20B | .01 |
| 1775 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 55 UNCH | .23B | .01 |
| 1800 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 117 UNCH | .19B | .01 |
| 1825 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 76 UNCH | .39B | .04 |
| 1850 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 318 UNCH | .29 | .02 |
| 1875 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 6 UNCH | .07B | ---- |
| 1900 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 109 UNCH | .08 | .08 |
| 1925 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 8 UNCH | .04B | ---- |
| 2000 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 5 UNCH | .02B | ---- |
| 2050 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 26 UNCH | .12 | .12 |
| 2325 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 400 UNCH | .05 | .05 |
| 2375 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 15 UNCH | .01 | .01 |
| TOTAL | | | | | | | | 0 | 6602 | | |
| JUL18 | MILK CALL | | | | | | | | | | |
| 1375 | ---- | ---- | ---- | ---- | .57+ 16 | .879 | ---- | 5 | 56 + 5 | ---- | .34A |
| 1400 | ---- | ---- | ---- | ---- | .37+ 11 | .735 | ---- | 15 | 397 + 15 | .36B | .21A |
| 1425 | ---- | ---- | ---- | ---- | .21+ 6 | .540 | ---- | 41 | 239 + 36 | .25 | .13A |
| 1450 | ---- | ---- | ---- | ---- | .11+ 3 | .339 | ---- | 10 | 95 + 8 | .95B | .06 |
| 1475 | ---- | ---- | ---- | ---- | .05+ 2 | .182 | ---- | ---- | 101 UNCH | 1.05B | .03 |
| 1500 | ---- | ---- | ---- | ---- | .02+ 1 | .084 | ---- | ---- | 181 UNCH | .91B | .01 |
| 1525 | ---- | ---- | ---- | ---- | .01 UNCH | .043 | ---- | ---- | 456 UNCH | 1.04 | .01 |
| 1550 | ---- | ---- | ---- | ---- | CAB ---- | .021 | ---- | ---- | 520 UNCH | 1.01 | .01A |
| 1575 | ---- | ---- | ---- | ---- | CAB ---- | .007 | ---- | ---- | 598 UNCH | .78B | .03 |
| 1600 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | ---- | 855 UNCH | .77B | .01 |
| 1625 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 445 UNCH | .82B | .01 |
| 1650 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 346 UNCH | .94B | .03 |
| 1675 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 341 UNCH | .82B | .01 |
| 1700 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 602 UNCH | .71B | .02 |
| 1725 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 256 UNCH | .44B | .01 |
| 1750 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 324 UNCH | .53B | .01 |
| 1775 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 156 UNCH | .60 | .01 |
| 1800 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 399 UNCH | .26B | .01 |
| 1825 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 122 UNCH | .22B | .02 |
| 1850 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 113 UNCH | .38 | .01 |

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# MILK , CLASS IV MILK & DRY WHEY OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MILK CALL | | | | | | | | | | | | | | | |
| | MILK CALL | | | | | | | | | | | | | | |
| 1875 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 80 | | UNCH | .23B | .01 |
| 1900 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 67 | | UNCH | .12B | .01 |
| 2225 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 400 | | UNCH | .04B | .04 |
| TOTAL | | | | | | | | | | 71 | 7149 | + | 64 | | |
| AUG18 | MILK CALL | | | | | | | | | | | | | | |
| 1475 | ---- | ---- | ---- | ---- | .74+ | | 20 | .698 | ---- | ---- | 1 | | UNCH | 1.23B | .46A |
| 1500 | ---- | ---- | ---- | ---- | .58+ | | 16 | .612 | ---- | ---- | 12 | | UNCH | 1.08B | .36A |
| 1525 | ---- | ---- | ---- | ---- | .45+ | | 13 | .521 | ---- | 100 | 125 | + | 89 | .95B | .27A |
| 1550 | ---- | ---- | ---- | ---- | .33+ | | 10 | .429 | ---- | 43 | 156 | + | 29 | .93B | .21A |
| 1575 | ---- | ---- | ---- | ---- | .24+ | | 7 | .342 | ---- | 51 | 457 | - | 11 | .85B | .15A |
| 1600 | ---- | ---- | ---- | ---- | .17+ | | 5 | .264 | ---- | 91 | 596 | + | 18 | .82B | .11A |
| 1625 | ---- | ---- | ---- | ---- | .12+ | | 4 | .200 | ---- | 16 | 465 | + | 16 | .88B | .08 |
| 1650 | ---- | ---- | ---- | ---- | .08+ | | 2 | .144 | ---- | 35 | 762 | - | 25 | .94B | .06 |
| 1675 | ---- | ---- | ---- | ---- | .05+ | | 1 | .098 | ---- | ---- | 450 | | UNCH | .82B | .03 |
| 1700 | ---- | ---- | ---- | ---- | .03 | | UNCH | .064 | ---- | ---- | 1039 | | UNCH | .71B | .02 |
| 1725 | ---- | ---- | ---- | ---- | .02 | | UNCH | .044 | ---- | 1 | 386 | - | 1 | .50B | .03 |
| 1750 | ---- | ---- | ---- | ---- | .01 | | UNCH | .024 | ---- | ---- | 418 | | UNCH | .53B | .02 |
| 1775 | ---- | ---- | ---- | ---- | .01 | | UNCH | .023 | ---- | ---- | 118 | | UNCH | .67 | .04 |
| 1800 | ---- | ---- | ---- | ---- | | CAB | ---- | .012 | ---- | ---- | 479 | | UNCH | .31B | .02 |
| 1825 | ---- | ---- | ---- | ---- | | CAB | ---- | .007 | ---- | ---- | 81 | | UNCH | .26B | .02 |
| 1850 | ---- | ---- | ---- | ---- | | CAB | ---- | .004 | ---- | ---- | 121 | | UNCH | .22B | .03A |
| 1875 | ---- | ---- | ---- | ---- | | CAB | ---- | .002 | ---- | ---- | 17 | | UNCH | .37 | .02 |
| 1900 | ---- | ---- | ---- | ---- | | CAB | ---- | .001 | ---- | ---- | 47 | | UNCH | .10 | .03 |
| 1950 | ---- | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 12 | | UNCH | .05B | .03 |
| 2250 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 400 | | UNCH | .04B | .04 |
| TOTAL | | | | | | | | | | 337 | 6142 | + | 115 | | |
| SEP18 | MILK CALL | | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | 1.08+ | | 18 | .762 | ---- | ---- | 2 | | UNCH | 1.19B | .83A |
| 1525 | ---- | ---- | ---- | ---- | .91+ | | 16 | .700 | ---- | ---- | 18 | | UNCH | 1.06B | .68A |
| 1550 | ---- | ---- | ---- | ---- | .76+ | | 15 | .629 | ---- | 5 | 14 | + | 5 | .98B | .55A |
| 1575 | ---- | ---- | ---- | ---- | .62+ | | 12 | .557 | ---- | 117 | 248 | + | 87 | .99B | .45A |
| 1600 | ---- | ---- | ---- | ---- | .50+ | | 10 | .485 | ---- | 16 | 495 | + | 11 | 1.07B | .36A |
| 1625 | ---- | ---- | ---- | ---- | .39+ | | 8 | .413 | ---- | ---- | 232 | | UNCH | .93 | .29A |
| 1650 | ---- | ---- | ---- | ---- | .29+ | | 5 | .340 | ---- | ---- | 425 | | UNCH | 1.07B | .23 |
| 1675 | ---- | ---- | ---- | ---- | .22+ | | 3 | .277 | ---- | 5 | 241 | | UNCH | .94B | .17 |
| 1700 | ---- | ---- | ---- | ---- | .17+ | | 3 | .225 | ---- | 37 | 974 | + | 17 | .83B | .13A |
| 1725 | ---- | ---- | ---- | ---- | .13+ | | 2 | .180 | ---- | ---- | 212 | | UNCH | .72B | .10A |
| 1750 | ---- | ---- | ---- | ---- | .10+ | | 1 | .143 | ---- | ---- | 466 | | UNCH | .63B | .08 |
| 1775 | ---- | ---- | ---- | ---- | .08+ | | 1 | .117 | ---- | ---- | 246 | | UNCH | .73 | .07 |
| 1800 | ---- | ---- | ---- | ---- | .06+ | | 1 | .091 | ---- | ---- | 478 | | UNCH | .35B | .07 |
| 1825 | ---- | ---- | ---- | ---- | .04 | | UNCH | .065 | ---- | ---- | 150 | | UNCH | .30B | .05 |
| 1850 | ---- | ---- | ---- | ---- | .03- | | 1 | .050 | ---- | 11 | 190 | + | 11 | .26B | .04 |
| 1875 | ---- | ---- | ---- | ---- | .03 | | UNCH | .047 | ---- | ---- | 49 | | UNCH | .41 | .03 |
| 1900 | ---- | ---- | ---- | ---- | .02 | | UNCH | .033 | ---- | ---- | 83 | | UNCH | .18B | .03 |
| 1925 | ---- | ---- | ---- | ---- | .02 | | UNCH | .032 | ---- | 10 | 42 | + | 10 | .15B | .02 |
| 1950 | ---- | ---- | ---- | ---- | .01 | | UNCH | .018 | ---- | ---- | 5 | | UNCH | .13B | .06A |
| 2000 | ---- | ---- | ---- | ---- | .01 | | UNCH | .016 | ---- | ---- | 13 | | UNCH | .03B | .03 |
| 2075 | ---- | ---- | ---- | ---- | | CAB | ---- | .008 | ---- | ---- | 36 | | UNCH | .02 | .02 |
| 2300 | ---- | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 400 | | UNCH | .04B | .04 |
| TOTAL | | | | | | | | | | 201 | 5019 | + | 141 | | |
| OCT18 | MILK CALL | | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | 1.23+ | | 16 | .777 | ---- | ---- | 2 | | UNCH | 1.26B | 1.06A |
| 1525 | ---- | ---- | ---- | ---- | 1.05+ | | 14 | .717 | ---- | ---- | 18 | | UNCH | 1.16B | .89A |
| 1550 | ---- | ---- | ---- | ---- | .89+ | | 13 | .658 | ---- | ---- | 4 | | UNCH | 1.06B | .80A |
| 1575 | ---- | ---- | ---- | ---- | .74+ | | 10 | .593 | ---- | 70 | 211 | + | 70 | 1.06B | .63A |
| 1600 | ---- | ---- | ---- | ---- | .61+ | | 9 | .526 | ---- | 35 | 285 | + | 25 | 1.01B | .52A |
| 1625 | ---- | ---- | ---- | ---- | .50+ | | 7 | .460 | ---- | ---- | 193 | | UNCH | 1.00B | .42A |
| 1650 | ---- | ---- | ---- | ---- | .40+ | | 6 | .395 | ---- | 5 | 318 | + | 1 | 1.08B | .34A |
| 1675 | ---- | ---- | ---- | ---- | .32+ | | 5 | .336 | ---- | ---- | 297 | | UNCH | .96B | .24 |
| 1700 | ---- | ---- | ---- | ---- | .25+ | | 4 | .280 | ---- | 1 | 786 | + | 1 | .84B | .23A |
| 1725 | ---- | ---- | ---- | ---- | .19+ | | 2 | .228 | ---- | ---- | 151 | | UNCH | .74B | .15 |
| 1750 | ---- | ---- | ---- | ---- | .15+ | | 2 | .187 | ---- | 2 | 422 | - | 2 | .51B | .12 |
| 1775 | ---- | ---- | ---- | ---- | .11+ | | 1 | .147 | ---- | ---- | 155 | | UNCH | .44B | .12A |
| 1800 | ---- | ---- | ---- | ---- | .08+ | | 1 | .113 | ---- | 35 | 599 | + | 20 | .38B | .10 |
| 1825 | ---- | ---- | ---- | ---- | .06+ | | 1 | .088 | ---- | ---- | 49 | | UNCH | .33B | .10 |
| 1850 | ---- | ---- | ---- | ---- | .04 | | UNCH | .063 | ---- | ---- | 122 | | UNCH | .28B | .06A |
| 1875 | ---- | ---- | ---- | ---- | .03 | | UNCH | .049 | ---- | ---- | 59 | | UNCH | .24B | .06 |
| 1900 | ---- | ---- | ---- | ---- | .02 | | UNCH | .034 | ---- | ---- | 79 | | UNCH | .20B | .10 |
| 1925 | ---- | ---- | ---- | ---- | .02 | | UNCH | .033 | ---- | ---- | 51 | | UNCH | .17B | .08 |
| 1950 | ---- | ---- | ---- | ---- | .01 | | UNCH | .018 | ---- | ---- | 10 | | UNCH | .14B | .07 |
| 1975 | ---- | ---- | ---- | ---- | .01 | | UNCH | .017 | ---- | ---- | 5 | | UNCH | .12B | .08 |
| 2300 | ---- | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 400 | | UNCH | .04B | .04 |
| TOTAL | | | | | | | | | | 148 | 4216 | + | 115 | | |
| NOV18 | MILK CALL | | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | 1.21+ | | 13 | .750 | ---- | ---- | 2 | | UNCH | ---- | 1.10A |
| 1525 | ---- | ---- | ---- | ---- | 1.04+ | | 11 | .693 | ---- | ---- | 18 | | UNCH | 1.19B | 1.00A |
| 1550 | ---- | ---- | ---- | ---- | .88+ | | 9 | .634 | ---- | ---- | 4 | | UNCH | 1.13B | .84A |
| 1575 | ---- | ---- | ---- | ---- | .74+ | | 8 | .572 | ---- | 20 | 156 | + | 15 | 1.08B | .70A |
| 1600 | ---- | ---- | ---- | ---- | .62+ | | 7 | .509 | ---- | 10 | 270 | + | 5 | 1.13B | .58A |
| 1625 | ---- | ---- | ---- | ---- | .52+ | | 6 | .449 | ---- | ---- | 136 | | UNCH | 1.05B | .47A |
| 1650 | ---- | ---- | ---- | ---- | .42+ | | 5 | .389 | ---- | ---- | 326 | | UNCH | .95B | .38A |
| 1675 | ---- | ---- | ---- | ---- | .34+ | | 4 | .334 | ---- | 1 | 283 | | UNCH | .84B | .30A |
| 1700 | ---- | ---- | ---- | ---- | .27+ | | 3 | .282 | ---- | 25 | 623 | + | 1 | .74B | .21 |
| 1725 | ---- | ---- | ---- | ---- | .21+ | | 2 | .234 | ---- | ---- | 159 | | UNCH | .65B | .18 |
| 1750 | ---- | ---- | ---- | ---- | .16+ | | 1 | .190 | ---- | 2 | 391 | - | 2 | .56B | .16A |
| 1775 | ---- | ---- | ---- | ---- | .13+ | | 1 | .158 | ---- | ---- | 95 | | UNCH | .49B | .13A |
| 1800 | ---- | ---- | ---- | ---- | .10+ | | 1 | .127 | ---- | 20 | 440 | | UNCH | .43B | .10 |
| 1825 | ---- | ---- | ---- | ---- | .07 | | UNCH | .096 | ---- | ---- | 58 | | UNCH | .37B | .11A |
| 1850 | ---- | ---- | ---- | ---- | .06+ | | 1 | .082 | ---- | ---- | 127 | | UNCH | .32B | .06 |
| 1875 | ---- | ---- | ---- | ---- | .04 | | UNCH | .059 | ---- | ---- | 27 | | UNCH | .28B | .10 |
| 1900 | ---- | ---- | ---- | ---- | .03 | | UNCH | .046 | ---- | ---- | 46 | | UNCH | .24B | .10 |
| 1925 | ---- | ---- | ---- | ---- | .02 | | UNCH | .032 | ---- | ---- | 10 | | UNCH | .20B | .09 |
| 1950 | ---- | ---- | ---- | ---- | .02 | | UNCH | .031 | ---- | ---- | 82 | | UNCH | .17B | .08 |
| 1975 | ---- | ---- | ---- | ---- | .01 | | UNCH | .017 | ---- | ---- | 10 | | UNCH | .15B | .10 |
| 2000 | ---- | ---- | ---- | ---- | .01 | | UNCH | .016 | ---- | ---- | 5 | | UNCH | .09 | .09 |
| 2325 | ---- | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 400 | | UNCH | .04B | .04 |
| TOTAL | | | | | | | | | | 78 | 3668 | + | 19 | | |
| DEC18 | MILK CALL | | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | 1.19+ | | 10 | .721 | ---- | ---- | 2 | | UNCH | 1.12B | 1.15A |
| 1525 | ---- | ---- | ---- | ---- | 1.02+ | | 8 | .666 | ---- | ---- | 18 | | UNCH | 1.16B | .99A |
| 1550 | ---- | ---- | ---- | ---- | .88+ | | 7 | .610 | ---- | ---- | 4 | | UNCH | 1.31B | .85A |
| 1575 | ---- | ---- | ---- | ---- | .74+ | | 6 | .551 | ---- | ---- | 151 | | UNCH | 1.16B | .73A |
| 1600 | ---- | ---- | ---- | ---- | .62+ | | 5 | .493 | ---- | 10 | 254 | + | 5 | 1.09B | .60A |
| 1625 | ---- | ---- | ---- | ---- | .52+ | | 4 | .436 | ---- | ---- | 207 | | UNCH | 1.01B | .50A |
| 1650 | ---- | ---- | ---- | ---- | .43+ | | 3 | .381 | ---- | ---- | 222 | | UNCH | .93 | .41A |
| 1675 | ---- | ---- | ---- | ---- | .35+ | | 3 | .329 | ---- | ---- | 227 | | UNCH | .82B | .34A |
| 1700 | ---- | ---- | ---- | ---- | .28+ | | 2 | .279 | ---- | ---- | 547 | | UNCH | .71B | .25 |
| 1725 | ---- | ---- | ---- | ---- | .23+ | | 2 | .238 | ---- | ---- | 129 | | UNCH | .64B | .20 |
| 1750 | ---- | ---- | ---- | ---- | .18+ | | 1 | .197 | ---- | 2 | 407 | - | 2 | .56B | .18 |
| 1775 | ---- | ---- | ---- | ---- | .14 | | UNCH | .162 | ---- | ---- | 118 | | UNCH | .49B | .14A |
| 1800 | ---- | ---- | ---- | ---- | .11 | | UNCH | .132 | ---- | ---- | 436 | | UNCH | .41B | .10 |
| 1825 | ---- | ---- | ---- | ---- | .09+ | | 1 | .111 | ---- | ---- | 35 | | UNCH | .37B | .11A |
| 1850 | ---- | ---- | ---- | ---- | .07+ | | 1 | .089 | ---- | ---- | 124 | | UNCH | .32B | .07 |
| 1875 | ---- | ---- | ---- | ---- | .05 | | UNCH | .068 | ---- | ---- | 23 | | UNCH | .28B | .12 |
| 1900 | ---- | ---- | ---- | ---- | .04 | | UNCH | .055 | ---- | ---- | 52 | | UNCH | .24B | .08 |
| 1925 | ---- | ---- | ---- | ---- | .03 | | UNCH | .043 | ---- | ---- | 15 | | UNCH | .21B | .10 |
| 1950 | ---- | ---- | ---- | ---- | .02 | | UNCH | .030 | ---- | ---- | 10 | | UNCH | .18B | .08 |
| 1975 | ---- | ---- | ---- | ---- | .02 | | UNCH | .029 | ---- | ---- | 30 | | UNCH | .15B | .06 |
| 2000 | ---- | ---- | ---- | ---- | .01 | | UNCH | .016 | ---- | ---- | 15 | | UNCH | .13B | .08 |
| 2025 | ---- | ---- | ---- | ---- | .01 | | UNCH | .016 | ---- | ---- | 10 | | UNCH | .11B | .07 |
| 2350 | ---- | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 400 | | UNCH | .04B | .04 |
| TOTAL | | | | | | | | | | 12 | 3436 | + | 3 | | |
| JAN19 | MILK CALL | | | | | | | | | | | | | | |
| 1600 | ---- | ---- | ---- | ---- | .60+ | | 3 | .474 | ---- | ---- | 30 | | UNCH | .72B | .59A |
| 1625 | ---- | ---- | ---- | ---- | .50+ | | 3 | .418 | ---- | ---- | 4 | | UNCH | .67B | .49A |
| 1650 | ---- | ---- | ---- | ---- | .42+ | | 3 | .367 | ---- | ---- | 69 | | UNCH | .69B | .42A |
| 1675 | ---- | ---- | ---- | ---- | .34+ | | 2 | .316 | ---- | ---- | 96 | | UNCH | .46B | .37A |
| 1700 | ---- | ---- | ---- | ---- | .28+ | | 1 | .272 | ---- | ---- | 250 | | UNCH | .45 | .31A |
| 1725 | ---- | ---- | ---- | ---- | .22 | | UNCH | .228 | ---- | ---- | 50 | | UNCH | .27B | .25A |
| 1750 | ---- | ---- | ---- | ---- | .18+ | | 1 | .193 | ---- | ---- | 64 | | UNCH | .24 | .24 |
| 1775 | ---- | ---- | ---- | ---- | .14 | | UNCH | .158 | ---- | ---- | 4 | | UNCH | .20B | .18 |
| 1800 | ---- | ---- | ---- | ---- | .11 | | UNCH | .130 | ---- | ---- | 144 | | UNCH | .15 | .15 |
| 1825 | ---- | ---- | ---- | ---- | .09 | | UNCH | .109 | ---- | ---- | 3 | | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .07 | | UNCH | .088 | ---- | ---- | 74 | | UNCH | ---- | ---- |
| 1875 | ---- | ---- | ---- | ---- | .05 | | UNCH | .067 | ---- | ---- | 5 | | UNCH | .10 | .10 |
| 1900 | ---- | ---- | ---- | ---- | .04 | | UNCH | .055 | ---- | ---- | 10 | | UNCH | .10 | .08 |
| TOTAL | | | | | | | | | | 0 | 803 | | | | |
| FEB19 | MILK CALL | | | | | | | | | | | | | | |
| 1600 | ---- | ---- | ---- | ---- | .65+ | | 3 | .478 | ---- | ---- | 31 | | UNCH | .72B | .64A |

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*Customer Service: (312) 930-1000*

## FINAL



MILK CALL

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILK CALL | | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | .54+ | 1 | .425 | ---- | ---- | 3 | UNCH | .66B | .54A |
| 1650 | ---- | ---- | ---- | ---- | .46+ | 2 | .377 | ---- | ---- | 15 | UNCH | .55B | .54A |
| 1675 | ---- | ---- | ---- | ---- | .38+ | 1 | .329 | ---- | ---- | 39 | UNCH | .45B | .38A |
| 1700 | ---- | ---- | ---- | ---- | .31 | UNCH | .284 | ---- | ---- | 354 | UNCH | .44 | .35 |
| 1725 | ---- | ---- | ---- | ---- | .26+ | 1 | .246 | ---- | ---- | 50 | UNCH | .29B | ---- |
| 1750 | ---- | ---- | ---- | ---- | .21 | UNCH | .209 | ---- | ---- | 63 | UNCH | .24B | ---- |
| 1775 | ---- | ---- | ---- | ---- | .17 | UNCH | .176 | ---- | ---- | 6 | UNCH | .24 | .20 |
| 1800 | ---- | ---- | ---- | ---- | .14 | UNCH | .149 | ---- | ---- | 145 | UNCH | .15B | ---- |
| 1825 | ---- | ---- | ---- | ---- | .11 | UNCH | .123 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .09 | UNCH | .103 | ---- | ---- | 71 | UNCH | ---- | ---- |
| 1875 | ---- | ---- | ---- | ---- | .07 | UNCH | .084 | ---- | ---- | 7 | UNCH | .10 | .07 |
| TOTAL | | | | | | | | | 0 | 787 | | | |
| MAR19 | MILK CALL | | | | | | | | | | | | |
| 1600 | ---- | ---- | ---- | ---- | .67- | 1 | .472 | ---- | ---- | 35 | UNCH | .71B | .65A |
| 1625 | ---- | ---- | ---- | ---- | .57- | 1 | .423 | ---- | ---- | 3 | UNCH | .69B | .55A |
| 1650 | ---- | ---- | ---- | ---- | .49- | 1 | .378 | ---- | ---- | 15 | UNCH | .58B | .47A |
| 1675 | ---- | ---- | ---- | ---- | .41- | 1 | .333 | ---- | ---- | 85 | UNCH | .48B | .39A |
| 1700 | ---- | ---- | ---- | ---- | .34- | 2 | .291 | ---- | ---- | 209 | UNCH | .51 | .38 |
| 1725 | ---- | ---- | ---- | ---- | .28- | 2 | .251 | ---- | ---- | 133 | UNCH | .33B | ---- |
| 1750 | ---- | ---- | ---- | ---- | .24- | 1 | .220 | ---- | ---- | 63 | UNCH | .27B | ---- |
| 1775 | ---- | ---- | ---- | ---- | .19- | 2 | .185 | ---- | ---- | 5 | UNCH | .25 | .25 |
| 1800 | ---- | ---- | ---- | ---- | .16- | 1 | .160 | ---- | ---- | 145 | UNCH | .19B | ---- |
| 1825 | ---- | ---- | ---- | ---- | .13- | 1 | .135 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .10- | 1 | .109 | ---- | ---- | 71 | UNCH | ---- | ---- |
| 1875 | ---- | ---- | ---- | ---- | .08- | 1 | .091 | ---- | ---- | 9 | UNCH | .12 | .09 |
| TOTAL | | | | | | | | | 0 | 776 | | | |
| APR19 | MILK CALL | | | | | | | | | | | | |
| 1600 | ---- | ---- | ---- | ---- | .73+ | 2 | .495 | ---- | ---- | 1 | UNCH | .84B | .65 |
| 1625 | ---- | ---- | ---- | ---- | .63+ | 2 | .447 | ---- | ---- | 1 | UNCH | .81B | .61A |
| 1650 | ---- | ---- | ---- | ---- | .54+ | 2 | .400 | ---- | ---- | 10 | UNCH | .69B | .52A |
| 1675 | ---- | ---- | ---- | ---- | .46+ | 2 | .356 | ---- | ---- | 55 | UNCH | .54B | .44A |
| 1700 | ---- | ---- | ---- | ---- | .38+ | 1 | .312 | ---- | ---- | 169 | UNCH | .38B | .37A |
| 1725 | ---- | ---- | ---- | ---- | .32+ | 1 | .273 | ---- | ---- | 66 | UNCH | .32B | .31A |
| 1750 | ---- | ---- | ---- | ---- | .27+ | 1 | .239 | ---- | ---- | 71 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | .22 | UNCH | .204 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | .18 | UNCH | .174 | ---- | ---- | 148 | UNCH | .22 | .22 |
| 1825 | ---- | ---- | ---- | ---- | .15 | UNCH | .150 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .12 | UNCH | .125 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 1900 | ---- | ---- | ---- | ---- | .08 | UNCH | .088 | ---- | ---- | 10 | UNCH | .10 | .07 |
| TOTAL | | | | | | | | | 0 | 557 | | | |
| MAY19 | MILK CALL | | | | | | | | | | | | |
| 1600 | ---- | ---- | ---- | ---- | .80- | 2 | .507 | ---- | ---- | 2 | UNCH | .70B | .81A |
| 1625 | ---- | ---- | ---- | ---- | .69- | 2 | .461 | ---- | ---- | 1 | UNCH | .87B | .70A |
| 1650 | ---- | ---- | ---- | ---- | .60- | 2 | .417 | ---- | ---- | 10 | UNCH | .75B | .60A |
| 1700 | ---- | ---- | ---- | ---- | .44- | 1 | .333 | ---- | ---- | 119 | UNCH | .51B | .44A |
| 1725 | ---- | ---- | ---- | ---- | .37- | 2 | .294 | ---- | ---- | 37 | UNCH | .43B | .38A |
| 1750 | ---- | ---- | ---- | ---- | .31- | 2 | .257 | ---- | ---- | 71 | UNCH | ---- | .32A |
| 1775 | ---- | ---- | ---- | ---- | .26- | 2 | .224 | ---- | ---- | 12 | UNCH | ---- | .28A |
| 1800 | ---- | ---- | ---- | ---- | .22- | 1 | .196 | ---- | ---- | 65 | UNCH | .21B | .23A |
| 1825 | ---- | ---- | ---- | ---- | .18- | 1 | .167 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .15- | 1 | .144 | ---- | ---- | 11 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 331 | | | |
| JUN19 | MILK CALL | | | | | | | | | | | | |
| 1600 | ---- | ---- | ---- | ---- | .89- | 1 | .527 | ---- | ---- | 2 | UNCH | .78B | .90A |
| 1625 | ---- | ---- | ---- | ---- | .77- | 2 | .482 | ---- | ---- | 1 | UNCH | .89B | .79A |
| 1650 | ---- | ---- | ---- | ---- | .67- | 2 | .439 | ---- | ---- | 10 | UNCH | .84B | .68A |
| 1700 | ---- | ---- | ---- | ---- | .50- | 2 | .356 | ---- | ---- | 118 | UNCH | .59B | .51A |
| 1725 | ---- | ---- | ---- | ---- | .43- | 2 | .318 | ---- | ---- | 37 | UNCH | .50B | .44A |
| 1750 | ---- | ---- | ---- | ---- | .37- | 1 | .284 | ---- | ---- | 71 | UNCH | .43B | .38A |
| 1775 | ---- | ---- | ---- | ---- | .31- | 2 | .249 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | .27- | 1 | .221 | ---- | ---- | 65 | UNCH | ---- | ---- |
| 1825 | ---- | ---- | ---- | ---- | .22- | 2 | .190 | ---- | ---- | 3 | UNCH | .24B | ---- |
| 1850 | ---- | ---- | ---- | ---- | .19- | 1 | .168 | ---- | ---- | 11 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 330 | | | |
| JUL19 | MILK CALL | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | .91 | UNCH | .520 | ---- | ---- | 1 | UNCH | ---- | .91A |
| 1700 | ---- | ---- | ---- | ---- | .61 | UNCH | .396 | ---- | ---- | 64 | UNCH | .73B | .61A |
| 1750 | ---- | ---- | ---- | ---- | .46 | UNCH | .322 | ---- | ---- | 7 | UNCH | .55B | .46A |
| 1775 | ---- | ---- | ---- | ---- | .39- | 1 | .286 | ---- | ---- | 10 | UNCH | .43B | .40A |
| 1800 | ---- | ---- | ---- | ---- | .34 | UNCH | .257 | ---- | ---- | 54 | UNCH | .41B | ---- |
| 1825 | ---- | ---- | ---- | ---- | .29 | UNCH | .227 | ---- | ---- | 13 | UNCH | .29B | ---- |
| 1850 | ---- | ---- | ---- | ---- | .25 | UNCH | .201 | ---- | ---- | 3 | UNCH | .25B | ---- |
| TOTAL | | | | | | | | | 0 | 152 | | | |
| AUG19 | MILK CALL | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | 1.08 | UNCH | .563 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | .76 | UNCH | .444 | ---- | ---- | 64 | UNCH | .82B | .75A |
| 1750 | ---- | ---- | ---- | ---- | .58- | 1 | .369 | ---- | ---- | 7 | UNCH | .64B | .58A |
| 1775 | ---- | ---- | ---- | ---- | .51 | UNCH | .335 | ---- | ---- | 10 | UNCH | .56B | .51A |
| 1800 | ---- | ---- | ---- | ---- | .44- | 1 | .301 | ---- | ---- | 54 | UNCH | .44B | .45A |
| 1825 | ---- | ---- | ---- | ---- | .39 | UNCH | .273 | ---- | ---- | 13 | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .33 | UNCH | .241 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 152 | | | |
| SEP19 | MILK CALL | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | 1.21 | UNCH | .589 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | .86 | UNCH | .473 | ---- | ---- | 64 | UNCH | .84B | .85A |
| 1750 | ---- | ---- | ---- | ---- | .68 | UNCH | .401 | ---- | ---- | 7 | UNCH | .62B | .66A |
| 1775 | ---- | ---- | ---- | ---- | .60 | UNCH | .366 | ---- | ---- | 10 | UNCH | .54B | .58A |
| 1800 | ---- | ---- | ---- | ---- | .52- | 1 | .332 | ---- | ---- | 54 | UNCH | .46B | ---- |
| 1825 | ---- | ---- | ---- | ---- | .46 | UNCH | .301 | ---- | ---- | 13 | UNCH | .40B | ---- |
| 1850 | ---- | ---- | ---- | ---- | .40 | UNCH | .271 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 152 | | | |
| OCT19 | MILK CALL | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | 1.16 | UNCH | .569 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | .83 | UNCH | .456 | ---- | ---- | 64 | UNCH | .83B | ---- |
| 1750 | ---- | ---- | ---- | ---- | .66 | UNCH | .387 | ---- | ---- | 7 | UNCH | .65B | ---- |
| 1775 | ---- | ---- | ---- | ---- | .58 | UNCH | .353 | ---- | 10 | 10 + | 10 | .51B | ---- |
| 1800 | ---- | ---- | ---- | ---- | .51 | UNCH | .321 | ---- | ---- | 55 | UNCH | .47B | ---- |
| 1825 | ---- | ---- | ---- | ---- | .45 | UNCH | .292 | ---- | ---- | 1 | UNCH | .38B | ---- |
| 1850 | ---- | ---- | ---- | ---- | .39 | UNCH | .262 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 10 | 141 + | 10 | | |
| NOV19 | MILK CALL | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | 1.16 | UNCH | .559 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | .84 | UNCH | .450 | ---- | ---- | 64 | UNCH | .76B | ---- |
| 1750 | ---- | ---- | ---- | ---- | .66 | UNCH | .381 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | .59 | UNCH | .350 | ---- | 10 | 10 + | 10 | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | .52 | UNCH | .319 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 1825 | ---- | ---- | ---- | ---- | .46 | UNCH | .291 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .40 | UNCH | .262 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 10 | 141 + | 10 | | |
| DEC19 | MILK CALL | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | 1.09 | UNCH | .533 | ---- | ---- | 1 | UNCH | 1.07B | ---- |
| 1700 | ---- | ---- | ---- | ---- | .78- | 1 | .426 | ---- | ---- | 64 | UNCH | .76B | ---- |
| 1750 | ---- | ---- | ---- | ---- | .62 | UNCH | .361 | ---- | ---- | 7 | UNCH | .54B | ---- |
| 1775 | ---- | ---- | ---- | ---- | .55 | UNCH | .331 | ---- | 10 | 10 + | 10 | .47B | ---- |
| 1800 | ---- | ---- | ---- | ---- | .49 | UNCH | .302 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 1825 | ---- | ---- | ---- | ---- | .43 | UNCH | .274 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1850 | ---- | ---- | ---- | ---- | .38 | UNCH | .249 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 10 | 141 + | 10 | | |

CLASS IV CALL

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | CLASS IV CALL | (FUTURES SETT. 14.91 .0 ) | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | | .91 | UNCH | 1.000 | ---- | ---- | 60 | UNCH | .75B | .65A |
| 1425 | ---- | ---- | ---- | ---- | | .66 | UNCH | 1.000 | ---- | ---- | 30 | UNCH | .68B | .53A |
| 1450 | ---- | ---- | ---- | ---- | | .41 | UNCH | .999 | ---- | ---- | 10 | UNCH | .74B | ---- |
| 1500 | ---- | ---- | ---- | ---- | CAB | | ---- | .113 | ---- | ---- | 3 | UNCH | .69B | .06 |
| 1525 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 3 | UNCH | .53B | .07 |
| 1550 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 90 | UNCH | .40B | .19A |
| 1600 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 16 | UNCH | .21B | .11A |
| 1650 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 2 | UNCH | .10 | .10 |
| 1675 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | .06 | .06 |
| 1725 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 6 | UNCH | .10 | .07 |
| 1750 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 3 | UNCH | .10 | .10 |
| 1775 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 2 | UNCH | .07 | .04 |
| 1825 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 7 | UNCH | .12 | .06 |
| 1850 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 15 | UNCH | .16 | .07 |
| 1925 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 5 | UNCH | .07 | .07 |
| TOTAL | | | | | | | | | | 0 | 253 | | |
| JUL18 | CLASS IV CALL | (FUTURES SETT. 14.35 + 12.0 ) | | | | | | | | | | | |

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# MILK , CLASS IV MILK & DRY WHEY OPTIONS



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## FINAL



CLASS IV CALL

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | CLASS IV CALL | (FUTURES SETT. | 14.35 + | 12.0 ) | | | | | | | | | | | |
| 1475 | ---- | ---- | ---- | ---- | | .04+ | 1 | .174 | ---- | ---- | 75 | UNCH | ---- | .37A |
| 1525 | ---- | ---- | ---- | ---- | CAB | | ---- | .027 | ---- | ---- | 6 | UNCH | .80B | .33A |
| 1575 | ---- | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 10 | UNCH | .68B | .29A |
| 1600 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 27 | UNCH | .53B | .01 |
| 1650 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 80 | UNCH | .30B | .17 |
| 1675 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 4 | UNCH | .21B | .03 |
| 1700 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 25 | UNCH | .15B | ---- |
| 1725 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | 2 | 18 - | 2 | .09B | .01 |
| 1750 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 3 | UNCH | .06B | ---- |
| 1800 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | .02B | ---- |
| 1825 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 15 | UNCH | .23 | .05 |
| 1850 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 13 | UNCH | .07B | .05 |
| TOTAL | | | | | | | | | | 2 | 277 - | 2 | | |
| AUG18 | CLASS IV CALL | (FUTURES SETT. | 14.37 + | 1.0 ) | | | | | | | | | | |
| 1475 | ---- | ---- | ---- | ---- | | .22 | UNCH | .355 | ---- | ---- | 75 | UNCH | .24B | .40A |
| 1575 | ---- | ---- | ---- | ---- | | .07 | UNCH | .126 | ---- | ---- | 10 | UNCH | .85B | .17A |
| 1600 | ---- | ---- | ---- | ---- | | .06 | UNCH | .105 | ---- | ---- | 27 | UNCH | .74B | .37A |
| 1625 | ---- | ---- | ---- | ---- | | .05+ | 1 | .086 | ---- | ---- | 4 | UNCH | .60B | .08 |
| 1650 | ---- | ---- | ---- | ---- | | .03 | UNCH | .057 | ---- | ---- | 87 | UNCH | .47B | .35A |
| 1675 | ---- | ---- | ---- | ---- | | .01- | 2 | .023 | ---- | ---- | 1 | UNCH | .37B | .03 |
| 1700 | ---- | ---- | ---- | ---- | CAB | | ---- | .012 | ---- | ---- | 25 | UNCH | .28B | .04 |
| 1725 | ---- | ---- | ---- | ---- | CAB | | ---- | .007 | ---- | ---- | 13 | UNCH | .21B | .02 |
| 1750 | ---- | ---- | ---- | ---- | CAB | | ---- | .004 | ---- | ---- | 12 | UNCH | .16B | .03 |
| 1800 | ---- | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 1 | UNCH | .07B | ---- |
| 1825 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 10 | UNCH | .31 | .05 |
| 1850 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 11 | UNCH | .08 | .07 |
| TOTAL | | | | | | | | | | 0 | 276 | | | |
| SEP18 | CLASS IV CALL | (FUTURES SETT. | 14.59 | .0 ) | | | | | | | | | | |
| 1475 | ---- | ---- | ---- | ---- | | .40 | UNCH | .462 | ---- | ---- | 75 | UNCH | .41B | .50A |
| 1575 | ---- | ---- | ---- | ---- | | .11 | UNCH | .178 | ---- | ---- | 10 | UNCH | .94B | .35A |
| 1600 | ---- | ---- | ---- | ---- | | .09+ | 1 | .145 | ---- | ---- | 27 | UNCH | .82B | .29A |
| 1625 | ---- | ---- | ---- | ---- | | .08+ | 2 | .125 | ---- | ---- | 4 | UNCH | .68B | .09 |
| 1650 | ---- | ---- | ---- | ---- | | .07+ | 2 | .106 | ---- | ---- | 88 | UNCH | .56B | .34A |
| 1675 | ---- | ---- | ---- | ---- | | .06+ | 1 | .090 | ---- | ---- | 3 | UNCH | .45B | .22 |
| 1700 | ---- | ---- | ---- | ---- | | .05 | UNCH | .075 | ---- | ---- | 26 | UNCH | .35B | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .04- | 1 | .061 | ---- | 2 | 14 | UNCH | .28B | ---- |
| 1750 | ---- | ---- | ---- | ---- | | .02- | 3 | .035 | ---- | ---- | 4 | UNCH | .22B | .04 |
| 1775 | ---- | ---- | ---- | ---- | | .01- | 3 | .019 | ---- | ---- | ---- | UNCH | .17B | .04 |
| 1800 | ---- | ---- | ---- | ---- | CAB | | ---- | .011 | ---- | ---- | 1 | UNCH | .13B | ---- |
| 1825 | ---- | ---- | ---- | ---- | CAB | | ---- | .007 | ---- | ---- | 4 | UNCH | .35 | .03 |
| 1850 | ---- | ---- | ---- | ---- | CAB | | ---- | .004 | ---- | ---- | 1 | UNCH | .10 | .07 |
| TOTAL | | | | | | | | | | 2 | 257 | | | |
| OCT18 | CLASS IV CALL | (FUTURES SETT. | 14.89 | .0 ) | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | | .48- | 1 | .484 | ---- | ---- | 30 | UNCH | ---- | .67A |
| 1575 | ---- | ---- | ---- | ---- | | .22- | 2 | .278 | ---- | ---- | 10 | UNCH | 1.00B | .48A |
| 1650 | ---- | ---- | ---- | ---- | | .11- | 4 | .152 | ---- | ---- | 30 | UNCH | .61B | .44A |
| 1700 | ---- | ---- | ---- | ---- | | .09- | 2 | .118 | ---- | ---- | 10 | UNCH | .42B | .10 |
| 1725 | ---- | ---- | ---- | ---- | | .08- | 1 | .103 | ---- | ---- | 20 | UNCH | .33B | .10 |
| 1750 | ---- | ---- | ---- | ---- | | .07- | 1 | .090 | ---- | ---- | 14 | UNCH | .28B | ---- |
| 1775 | ---- | ---- | ---- | ---- | | .05- | 2 | .068 | ---- | ---- | 1 | UNCH | .20B | .06 |
| 1800 | ---- | ---- | ---- | ---- | | .03- | 2 | .045 | ---- | ---- | 1 | UNCH | .16B | ---- |
| TOTAL | | | | | | | | | | 0 | 116 | | | |
| NOV18 | CLASS IV CALL | (FUTURES SETT. | 15.01 + | 5.0 ) | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | | .61+ | 1 | .522 | ---- | ---- | 30 | UNCH | .63B | .82A |
| 1575 | ---- | ---- | ---- | ---- | | .32+ | 1 | .335 | ---- | ---- | 10 | UNCH | 1.06B | .61A |
| 1650 | ---- | ---- | ---- | ---- | | .16- | 1 | .193 | ---- | ---- | 30 | UNCH | .66B | .53A |
| 1700 | ---- | ---- | ---- | ---- | | .11- | 1 | .137 | ---- | ---- | 11 | UNCH | .47B | .14 |
| 1725 | ---- | ---- | ---- | ---- | | .10- | 1 | .122 | ---- | ---- | 22 | UNCH | .39B | ---- |
| 1750 | ---- | ---- | ---- | ---- | | .08- | 2 | .101 | ---- | ---- | 14 | UNCH | .31B | ---- |
| 1775 | ---- | ---- | ---- | ---- | | .07- | 1 | .088 | ---- | ---- | 11 | UNCH | .25B | .09 |
| 1800 | ---- | ---- | ---- | ---- | | .06- | 1 | .075 | ---- | ---- | 1 | UNCH | .20B | ---- |
| 1825 | ---- | ---- | ---- | ---- | | .05- | 1 | .064 | ---- | ---- | 2 | UNCH | .16B | .09 |
| TOTAL | | | | | | | | | | 0 | 131 | | | |
| DEC18 | CLASS IV CALL | (FUTURES SETT. | 15.08 | .0 ) | | | | | | | | | | |
| 1575 | ---- | ---- | ---- | ---- | | .39 | UNCH | .365 | ---- | ---- | 10 | UNCH | 1.14B | .89A |
| 1700 | ---- | ---- | ---- | ---- | | .15- | 1 | .167 | ---- | ---- | 11 | UNCH | .49B | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .12- | 1 | .138 | ---- | ---- | 22 | UNCH | .45B | ---- |
| 1750 | ---- | ---- | ---- | ---- | | .10- | 1 | .117 | ---- | ---- | 14 | UNCH | .36B | ---- |
| 1775 | ---- | ---- | ---- | ---- | | .08- | 1 | .097 | ---- | ---- | 7 | UNCH | .30B | ---- |
| 1800 | ---- | ---- | ---- | ---- | | .06- | 1 | .076 | ---- | ---- | 1 | UNCH | .26B | ---- |
| 1825 | ---- | ---- | ---- | ---- | | .05 | UNCH | .064 | ---- | ---- | 2 | UNCH | .18B | .09 |
| TOTAL | | | | | | | | | | 0 | 67 | | | |
| JAN19 | CLASS IV CALL | (FUTURES SETT. | 15.09 | .0 ) | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | | .20 | UNCH | .207 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | | .16 | UNCH | .173 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .13 | UNCH | .145 | ---- | ---- | 17 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 29 | | | |
| FEB19 | CLASS IV CALL | (FUTURES SETT. | 15.19 | .0 ) | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | | .25 | UNCH | .236 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | | .21 | UNCH | .204 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .17 | UNCH | .173 | ---- | ---- | 17 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 29 | | | |
| MAR19 | CLASS IV CALL | (FUTURES SETT. | 15.45 | .0 ) | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | | .37 | UNCH | .298 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | | .31 | UNCH | .261 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .26 | UNCH | .227 | ---- | ---- | 17 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 29 | | | |
| APR19 | CLASS IV CALL | (FUTURES SETT. | 15.60 | .0 ) | | | | | | | | | | |
| 1725 | ---- | ---- | ---- | ---- | | .33 | UNCH | .262 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 5 | | | |
| MAY19 | CLASS IV CALL | (FUTURES SETT. | 16.00 | .0 ) | | | | | | | | | | |
| 1725 | ---- | ---- | ---- | ---- | | .48- | 1 | .331 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 5 | | | |
| JUN19 | CLASS IV CALL | (FUTURES SETT. | 16.05 | .0 ) | | | | | | | | | | |
| 1725 | ---- | ---- | ---- | ---- | | .54 | UNCH | .349 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 5 | | | |

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## FINAL



DRY WHEY CALL

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | DRY WHEY CALL | (FUTURES SETT. | 30.63 + | 10.0 ) | | | | | | | | | | |
| 260 | ---- | ---- | ---- | ---- | 4.6250+ | 10 | 1.000 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 280 | ---- | ---- | ---- | ---- | 2.6250+ | 10 | 1.000 | ---- | ---- | 15 | UNCH | 1.20B | ---- |
| 300 | ---- | ---- | ---- | ---- | .6250+ | 10 | .943 | ---- | ---- | 65 | UNCH | 1.15B | 1.00 |
| 310 | ---- | ---- | ---- | ---- | CAB | ---- | .081 | ---- | ---- | 8 | UNCH | .75B | ---- |
| 315 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 17 | UNCH | .52B | .22 |
| 320 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | .42B | ---- |
| 340 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 38 | UNCH | .10B | ---- |
| 350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 60 | UNCH | ---- | ---- |
| 390 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 27 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 248 | | | |
| JUL18 | DRY WHEY CALL | (FUTURES SETT. | 32.50 + | 67.5 ) | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | 2.5000+ | 65 | .977 | ---- | ---- | 55 | UNCH | 1.70B | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.5750+ | 57 | .887 | ---- | ---- | 8 | UNCH | 2.37B | ---- |
| 340 | ---- | ---- | ---- | ---- | .0750+ | 5 | .120 | ---- | ---- | 26 | UNCH | 1.17B | .30A |
| 355 | ---- | ---- | ---- | ---- | CAB | ---- | .022 | ---- | ---- | 16 | UNCH | .45B | .30 |
| 360 | ---- | ---- | ---- | ---- | CAB | ---- | .009 | ---- | ---- | 15 | UNCH | .42B | ---- |
| 370 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 10 | UNCH | .22B | ---- |
| 380 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 77 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 19 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 226 | | | |
| AUG18 | DRY WHEY CALL | (FUTURES SETT. | 33.00 + | 175.0 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | 5.0000+ | 160 | .977 | ---- | ---- | 10 | UNCH | 7.50 | 7.50 |
| 300 | ---- | ---- | ---- | ---- | 3.1500+ | 130 | .889 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 2.3250+ | 107 | .793 | ---- | ---- | 8 | UNCH | 1.65B | 1.50A |
| 320 | ---- | ---- | ---- | ---- | 1.6250+ | 82 | .663 | ---- | ---- | 14 | UNCH | 3.75 | 1.00A |
| 330 | ---- | #1.00B | ---- | ---- | 1.0750+ | NEW | .516 | ---- | 15 | 15 + | 15 | 1.05B | .72A |
| 340 | ---- | ---- | ---- | ---- | .6500+ | 37 | .369 | ---- | ---- | 44 | UNCH | .52B | .47A |
| 360 | ---- | ---- | ---- | ---- | .2000+ | 12 | .147 | ---- | ---- | 15 | UNCH | .95B | .20A |
| 370 | ---- | ---- | ---- | ---- | .1000+ | 7 | .082 | ---- | ---- | 10 | UNCH | .60B | .20A |
| 380 | ---- | ---- | ---- | ---- | .0500+ | 2 | .044 | ---- | ---- | 77 | UNCH | .37B | .15A |
| 400 | ---- | ---- | ---- | ---- | CAB | ---- | .012 | ---- | ---- | 19 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 15 | 267 + | 15 | | |
| SEP18 | DRY WHEY CALL | (FUTURES SETT. | 31.95 + | 117.5 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | 4.0750+ | 102 | .917 | ---- | ---- | 10 | UNCH | 2.75B | ---- |
| 300 | ---- | ---- | ---- | ---- | 2.4500+ | 80 | .752 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.8000+ | 67 | .636 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | ---- | 1.2500+ | 52 | .513 | ---- | ---- | 14 | UNCH | 1.72B | ---- |
| 340 | ---- | ---- | ---- | ---- | .5500+ | 27 | .285 | ---- | ---- | 44 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .2000+ | 10 | .127 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 370 | ---- | ---- | ---- | ---- | .1250+ | 5 | .084 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 380 | ---- | ---- | ---- | ---- | .0500 | UNCH | .040 | ---- | ---- | 77 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | ---- | .0250 | UNCH | .020 | ---- | ---- | 19 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 252 | | | |
| OCT18 | DRY WHEY CALL | (FUTURES SETT. | 30.83 + | 27.5 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | 3.1750+ | 20 | .816 | ---- | ---- | 10 | UNCH | 3.22B | ---- |
| 300 | ---- | ---- | ---- | ---- | 1.8250+ | 15 | .616 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.3250+ | 12 | .502 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | ---- | .9250+ | 10 | .393 | ---- | ---- | 14 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | ---- | .4000+ | 5 | .210 | ---- | ---- | 41 | UNCH | ---- | ---- |
| 350 | ---- | ---- | ---- | ---- | .2500+ | 2 | .144 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .1500+ | 2 | .094 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 370 | ---- | ---- | ---- | ---- | .1000+ | 2 | .065 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 380 | ---- | ---- | ---- | ---- | .0500 | UNCH | .036 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | ---- | .0250 | UNCH | .018 | ---- | ---- | 19 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 233 | | | |
| NOV18 | DRY WHEY CALL | (FUTURES SETT. | 30.33 + | 20.0 ) | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | 1.7250+ | 12 | .558 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.2500+ | 7 | .456 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | ---- | .4250+ | 2 | .204 | ---- | ---- | 41 | UNCH | ---- | ---- |
| 350 | ---- | ---- | ---- | ---- | .2750+ | 2 | .144 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .1750 | UNCH | .099 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 370 | ---- | ---- | ---- | ---- | .1250+ | 2 | .073 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 380 | ---- | ---- | ---- | ---- | .0750 | UNCH | .047 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | ---- | .0250 | UNCH | .018 | ---- | ---- | 19 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 209 | | | |
| DEC18 | DRY WHEY CALL | (FUTURES SETT. | 31.00 + | 125.0 ) | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | 2.2500+ | 70 | .619 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.7250+ | 57 | .527 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | ---- | .7000+ | 30 | .278 | ---- | ---- | 41 | UNCH | ---- | ---- |
| 350 | ---- | ---- | ---- | ---- | .5000+ | 22 | .213 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .3500+ | 17 | .160 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 370 | ---- | ---- | ---- | ---- | .2250+ | 10 | .113 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 380 | ---- | ---- | ---- | ---- | .1500+ | 7 | .080 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | ---- | .0750+ | 5 | .043 | ---- | ---- | 19 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 194 | | | |
| JAN19 | DRY WHEY CALL | (FUTURES SETT. | 30.00 | .0 ) | | | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | .7500 | UNCH | .287 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .2750 | UNCH | .128 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 35 | | | |
| FEB19 | DRY WHEY CALL | (FUTURES SETT. | 30.00 | .0 ) | | | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | .8500 | UNCH | .302 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .3250 | UNCH | .142 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 35 | | | |
| MAR19 | DRY WHEY CALL | (FUTURES SETT. | 30.00 | .0 ) | | | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | .9500 | UNCH | .315 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .4000 | UNCH | .160 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 35 | | | |
| APR19 | DRY WHEY CALL | (FUTURES SETT. | 31.00 | .0 ) | | | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | 1.4000 | UNCH | .395 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | .6750 | UNCH | .227 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 35 | | | |
| MAY19 | DRY WHEY CALL | (FUTURES SETT. | 31.90 | .0 ) | | | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | 1.9000 | UNCH | .464 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | 1.0000 | UNCH | .291 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 35 | | | |
| JUN19 | DRY WHEY CALL | (FUTURES SETT. | 32.20 | .0 ) | | | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | 2.1250- | 2 | .487 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | ---- | 1.1750 | UNCH | .317 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 35 | | | |

MILK PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MILK PUT | | | | | | | | | | | | | |
| JUN18 | MILK PUT | (FUTURES SETT. | 15.23 + | 1.0 ) | | | | | | | | | |
| 1200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | .07 | .07 |
| 1250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 35 | UNCH | .12 | .05 |
| 1275 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 52 | UNCH | .14 | .02 |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 266 | UNCH | .18B | .03 |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 131 | UNCH | .24B | .02 |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 482 | UNCH | .30B | .02 |
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 89 | UNCH | .38B | .02 |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 426 | UNCH | .48B | .03 |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 568 | UNCH | .59B | .02 |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 864 | UNCH | .73 | .01 |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 254 | UNCH | .86B | .02A |
| 1500 | ---- | ---- | ---- | ---- | CAB | ---- | .059 | ---- | ---- | 782 | UNCH | 1.06 | .01 |
| 1525 | ---- | ---- | ---- | ---- | .03- | 1 | .677 | ---- | ---- | 395 | UNCH | 1.19B | .02A |
| 1550 | ---- | ---- | ---- | ---- | .27- | 1 | .945 | ---- | ---- | 632 | UNCH | 1.38B | .04 |
| 1575 | ---- | ---- | ---- | ---- | .52- | 1 | .998 | ---- | ---- | 433 | UNCH | 1.35B | .09 |
| 1600 | ---- | ---- | ---- | ---- | .77- | 1 | 1.000 | ---- | ---- | 1070 | UNCH | 1.37B | .19 |
| 1625 | ---- | ---- | ---- | ---- | 1.02- | 1 | 1.000 | ---- | ---- | 241 | UNCH | 1.43B | .34A |
| 1650 | ---- | ---- | ---- | ---- | 1.27- | 1 | 1.000 | ---- | ---- | 151 | UNCH | 1.96 | .59A |
| 1675 | ---- | ---- | ---- | ---- | 1.52- | 1 | 1.000 | ---- | ---- | 10 | UNCH | 1.32B | 1.31A |
| 1700 | ---- | ---- | ---- | ---- | 1.77- | 1 | 1.000 | ---- | ---- | 15 | UNCH | 1.18B | ---- |
| TOTAL | | | | | | | | | 0 | 6946 | | | |
| JUL18 | MILK PUT | (FUTURES SETT. | 14.29 + | 23.0 ) | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | 28 | UNCH | .11B | .01 |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | .022 | ---- | ---- | 16 | UNCH | .15B | .02A |
| 1350 | ---- | ---- | ---- | ---- | .01- | 4 | .045 | ---- | 60 | 139 + | 30 | .19B | .02A |
| 1375 | ---- | ---- | ---- | ---- | .03- | 7 | .120 | ---- | 5 | 219 + | 3 | .24B | .01 |
| 1400 | 0.12 | .12 | .12 | ---- | .08- | 12 | .264 | ---- | 170 | 652 + | 69 | .30B | .02 |
| 1425 | ---- | ---- | ---- | ---- | .17- | 17 | .459 | ---- | 63 | 435 + | 43 | .43B | .01 |

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# MILK , CLASS IV MILK & DRY WHEY OPTIONS



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## FINAL



MILK PUT

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILK PUT | (FUTURES SETT. | 14.29 + | 23.0 ) | | | | | | | | | | | | |
| 1450 | ---- | ---- | ---- | ---- | | .32- | 20 | .660 | 2 | 1 | 577 | - | 2 | .62B | .01 |
| 1475 | ---- | ---- | ---- | ---- | | .51- | 21 | .817 | ---- | 1 | 718 | - | 1 | .74B | .02 |
| 1500 | ---- | ---- | ---- | ---- | | .73- | 22 | .915 | 6 | ---- | 945 | - | 6 | 1.00 | .01 |
| 1525 | ---- | ---- | ---- | ---- | | .96- | 23 | .956 | ---- | 5 | 504 | - | 5 | 1.05B | .03 |
| 1550 | ---- | ---- | ---- | ---- | | 1.21- | 23 | .978 | 3 | ---- | 930 | - | 3 | 1.26B | .05 |
| 1575 | ---- | ---- | ---- | ---- | | 1.46- | 23 | .992 | ---- | 11 | 547 | | UNCH | 1.54B | .07 |
| 1600 | ---- | ---- | ---- | ---- | | 1.71- | 23 | .997 | 3 | ---- | 812 | - | 3 | 1.67B | .14 |
| 1625 | ---- | ---- | ---- | ---- | | 1.96- | 23 | .999 | ---- | ---- | 511 | | UNCH | 1.94B | .23 |
| 1650 | ---- | ---- | ---- | ---- | | 2.21- | 23 | .999 | ---- | 1 | 183 | | UNCH | 2.43 | .33 |
| 1675 | ---- | ---- | ---- | ---- | | 2.46- | 23 | .999 | ---- | ---- | 641 | | UNCH | 2.44B | .48A |
| 1750 | ---- | ---- | ---- | ---- | | 3.21- | 23 | 1.000 | ---- | ---- | 49 | | UNCH | 1.31B | ---- |
| TOTAL | | | | | | | | | | 317 | 7906 | + | 125 | | |
| AUG18 | MILK PUT | (FUTURES SETT. | 15.27 + | 39.0 ) | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | CAB | | ---- | .012 | ---- | ---- | 27 | | UNCH | .11B | .02A |
| 1325 | ---- | ---- | ---- | ---- | | .01- | 3 | .022 | ---- | ---- | 15 | | UNCH | .14B | .02A |
| 1350 | ---- | ---- | ---- | ---- | | .02- | 5 | .041 | ---- | ---- | 192 | | UNCH | .17 | .01 |
| 1375 | ---- | ---- | ---- | ---- | | .03- | 8 | .061 | ---- | ---- | 102 | | UNCH | .20B | .05 |
| 1400 | 0.07 | #.07 | *.07 | ---- | | .06- | 9 | .107 | ---- | 30 | 414 | + | 19 | .26B | .05 |
| 1425 | ---- | ---- | ---- | ---- | | .09- | 13 | .153 | ---- | 21 | 266 | + | 11 | .33B | .01 |
| 1450 | ---- | ---- | ---- | ---- | | .15- | 16 | .224 | ---- | 28 | 462 | - | 8 | .42B | .02 |
| 1475 | ---- | ---- | ---- | ---- | | .22- | 19 | .301 | ---- | 15 | 391 | | UNCH | .52B | .03 |
| 1500 | ---- | ---- | ---- | ---- | | .31- | 23 | .387 | ---- | 25 | 745 | + | 21 | .66B | .02 |
| 1525 | ---- | ---- | ---- | ---- | | .43- | 26 | .478 | ---- | 10 | 422 | | UNCH | .82B | .04 |
| 1550 | ---- | ---- | ---- | ---- | | .56- | 29 | .570 | ---- | 51 | 845 | + | 20 | .92B | .05 |
| 1575 | ---- | ---- | ---- | ---- | | .72- | 31 | .657 | ---- | 25 | 522 | - | 4 | 1.03 | .09 |
| 1600 | ---- | ---- | ---- | ---- | | .90- | 33 | .735 | ---- | 6 | 774 | - | 5 | 1.25 | .12 |
| 1625 | ---- | ---- | ---- | ---- | | 1.10- | 35 | .799 | ---- | ---- | 347 | | UNCH | 1.52B | .18 |
| 1650 | ---- | ---- | ---- | ---- | | 1.31- | 36 | .855 | ---- | 45 | 350 | - | 5 | 1.52B | .27 |
| 1675 | ---- | ---- | ---- | ---- | | 1.53- | 37 | .901 | ---- | ---- | 91 | | UNCH | 1.35 | .37 |
| 1700 | ---- | ---- | ---- | ---- | | 1.76- | 38 | .935 | ---- | ---- | 232 | | UNCH | 1.24B | .50A |
| 1750 | ---- | ---- | ---- | ---- | | 2.24- | 39 | .975 | ---- | ---- | 49 | | UNCH | 1.31B | .81A |
| TOTAL | | | | | | | | | | 256 | 6246 | + | 49 | | |
| SEP18 | MILK PUT | (FUTURES SETT. | 15.89 + | 32.0 ) | | | | | | | | | | | |
| 1275 | ---- | ---- | ---- | ---- | CAB | | ---- | .009 | ---- | ---- | 16 | | UNCH | .09B | ---- |
| 1300 | ---- | ---- | ---- | ---- | | .01- | 1 | .016 | ---- | ---- | 25 | | UNCH | .10B | ---- |
| 1325 | ---- | ---- | ---- | ---- | | .01- | 2 | .018 | ---- | ---- | 11 | | UNCH | .13B | ---- |
| 1350 | ---- | ---- | ---- | ---- | | .02- | 2 | .033 | ---- | 11 | 57 | + | 11 | .17B | .02 |
| 1375 | ---- | ---- | ---- | ---- | | .03- | 3 | .048 | ---- | ---- | 41 | | UNCH | .21B | .05 |
| 1400 | ---- | ---- | ---- | ---- | | .05- | 4 | .073 | ---- | ---- | 343 | | UNCH | .27B | .05 |
| 1425 | ---- | ---- | ---- | ---- | | .07- | 6 | .100 | ---- | ---- | 308 | | UNCH | .33B | .02 |
| 1450 | ---- | ---- | ---- | ---- | | .10- | 8 | .135 | ---- | 25 | 405 | + | 25 | .42 | .03 |
| 1475 | ---- | ---- | ---- | ---- | | .14- | 11 | .180 | ---- | 2 | 356 | + | 2 | .54 | .03 |
| 1500 | ---- | ---- | ---- | ---- | | .20- | 13 | .237 | ---- | ---- | 685 | | UNCH | .60B | .04 |
| 1525 | ---- | ---- | ---- | ---- | | .27- | 16 | .299 | ---- | 10 | 413 | + | 5 | .72B | .07 |
| 1550 | ---- | ---- | ---- | ---- | | .37- | 17 | .370 | ---- | 30 | 487 | + | 9 | .86 | .10 |
| 1575 | ---- | ---- | ---- | ---- | | .48- | 20 | .442 | ---- | 45 | 464 | - | 2 | .97B | .12 |
| 1600 | ---- | ---- | ---- | ---- | | .61- | 21 | .514 | ---- | ---- | 854 | | UNCH | 1.12B | .17 |
| 1625 | ---- | ---- | ---- | ---- | | .74- | 25 | .586 | ---- | ---- | 350 | | UNCH | 1.28B | .22A |
| 1650 | ---- | ---- | ---- | ---- | | .90- | 27 | .659 | ---- | 25 | 606 | - | 25 | 1.45B | .34A |
| 1675 | ---- | ---- | ---- | ---- | | 1.08- | 28 | .722 | ---- | ---- | 65 | | UNCH | 1.63B | .44A |
| 1700 | ---- | ---- | ---- | ---- | | 1.27- | 30 | .774 | ---- | ---- | 220 | | UNCH | 1.38B | .56A |
| 1725 | ---- | ---- | ---- | ---- | | 1.48- | 30 | .819 | ---- | ---- | 55 | | UNCH | 1.33B | .69A |
| 1750 | ---- | ---- | ---- | ---- | | 1.70- | 31 | .856 | ---- | ---- | 59 | | UNCH | 1.15B | .85A |
| TOTAL | | | | | | | | | | 148 | 5820 | + | 25 | | |
| OCT18 | MILK PUT | (FUTURES SETT. | 16.03 + | 26.0 ) | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | | .01- | 1 | .016 | ---- | ---- | 25 | | UNCH | .10B | ---- |
| 1325 | ---- | ---- | ---- | ---- | | .01- | 2 | .017 | ---- | ---- | 16 | | UNCH | .13B | ---- |
| 1350 | ---- | ---- | ---- | ---- | | .02- | 3 | .031 | ---- | ---- | 41 | | UNCH | .17B | .01 |
| 1375 | ---- | ---- | ---- | ---- | | .03- | 4 | .045 | ---- | ---- | 30 | | UNCH | .21B | .05 |
| 1400 | ---- | ---- | ---- | ---- | | .05- | 5 | .070 | ---- | ---- | 343 | | UNCH | .26B | .03 |
| 1425 | ---- | ---- | ---- | ---- | | .07- | 6 | .094 | ---- | 25 | 218 | + | 20 | .33B | .04 |
| 1450 | ---- | ---- | ---- | ---- | | .10- | 7 | .128 | ---- | ---- | 275 | | UNCH | .40B | .03 |
| 1475 | ---- | ---- | ---- | ---- | | .15- | 8 | .175 | ---- | 5 | 188 | + | 5 | .47B | .05 |
| 1500 | ---- | ---- | ---- | ---- | | .20- | 10 | .222 | ---- | 1 | 535 | + | 1 | .57B | .06 |
| 1525 | ---- | ---- | ---- | ---- | | .28- | 11 | .282 | ---- | 11 | 322 | + | 6 | .67B | .12 |
| 1550 | ---- | ---- | ---- | ---- | | .36- | 14 | .341 | ---- | 10 | 269 | + | 10 | .79B | .11A |
| 1575 | ---- | ---- | ---- | ---- | | .46- | 16 | .406 | ---- | 70 | 181 | + | 41 | .94B | .19A |
| 1600 | ---- | ---- | ---- | ---- | | .58- | 17 | .473 | ---- | ---- | 729 | | UNCH | 1.08B | .21 |
| 1625 | ---- | ---- | ---- | ---- | | .72- | 18 | .539 | ---- | 35 | 206 | + | 30 | 1.22B | .29 |
| 1650 | ---- | ---- | ---- | ---- | | .87- | 20 | .604 | ---- | ---- | 244 | | UNCH | 1.38B | .40 |
| 1675 | ---- | ---- | ---- | ---- | | 1.03- | 22 | .663 | ---- | ---- | 19 | | UNCH | 1.55B | .48A |
| 1700 | ---- | ---- | ---- | ---- | | 1.21- | 23 | .719 | ---- | ---- | 40 | | UNCH | 1.36B | .66A |
| 1750 | ---- | ---- | ---- | ---- | | 1.61- | 24 | .812 | ---- | ---- | 49 | | UNCH | 1.16B | .92A |
| TOTAL | | | | | | | | | | 157 | 3730 | + | 113 | | |
| NOV18 | MILK PUT | (FUTURES SETT. | 15.96 + | 23.0 ) | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | | .01- | 1 | .016 | ---- | ---- | 25 | | UNCH | .12B | ---- |
| 1325 | ---- | ---- | ---- | ---- | | .02- | 2 | .030 | ---- | ---- | 14 | | UNCH | .15B | ---- |
| 1350 | ---- | ---- | ---- | ---- | | .03- | 3 | .043 | ---- | ---- | 46 | | UNCH | .19B | .02 |
| 1375 | ---- | ---- | ---- | ---- | | .05- | 3 | .066 | ---- | ---- | 30 | | UNCH | .24B | .05 |
| 1400 | ---- | ---- | ---- | ---- | | .07- | 4 | .088 | ---- | ---- | 351 | | UNCH | .13B | .05 |
| 1425 | ---- | ---- | ---- | ---- | | .10- | 6 | .119 | ---- | ---- | 212 | | UNCH | .15B | .05 |
| 1450 | ---- | ---- | ---- | ---- | | .14- | 7 | .157 | ---- | ---- | 217 | | UNCH | .43 | .05 |
| 1475 | ---- | ---- | ---- | ---- | | .19- | 9 | .201 | ---- | 5 | 210 | + | 5 | .37B | .06A |
| 1500 | ---- | ---- | ---- | ---- | | .25- | 11 | .249 | ---- | 1 | 636 | + | 1 | .45B | .11A |
| 1525 | ---- | ---- | ---- | ---- | | .33- | 12 | .306 | ---- | 10 | 211 | + | 5 | .55B | .15A |
| 1550 | ---- | ---- | ---- | ---- | | .42- | 14 | .365 | ---- | 5 | 332 | + | 3 | .85B | .19A |
| 1575 | ---- | ---- | ---- | ---- | | .53- | 15 | .427 | ---- | 20 | 173 | + | 5 | .91B | .25 |
| 1600 | ---- | ---- | ---- | ---- | | .66- | 16 | .490 | ---- | 20 | 651 | + | 20 | 1.05B | .30A |
| 1625 | ---- | ---- | ---- | ---- | | .80- | 17 | .550 | ---- | ---- | 133 | | UNCH | 1.27B | .40A |
| 1650 | ---- | ---- | ---- | ---- | | .96- | 18 | .610 | ---- | ---- | 102 | | UNCH | 1.43B | .50A |
| 1675 | ---- | ---- | ---- | ---- | | 1.12- | 20 | .665 | ---- | ---- | 127 | | UNCH | 1.27B | .62A |
| 1700 | ---- | ---- | ---- | ---- | | 1.30- | 21 | .717 | ---- | ---- | 18 | | UNCH | 1.79B | .76A |
| 1750 | ---- | ---- | ---- | ---- | | 1.69- | 22 | .809 | ---- | ---- | 49 | | UNCH | 1.46B | 1.05A |
| TOTAL | | | | | | | | | | 61 | 3537 | + | 39 | | |
| DEC18 | MILK PUT | (FUTURES SETT. | 15.88 + | 18.0 ) | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | | .02- | 1 | .028 | ---- | ---- | 25 | | UNCH | .13B | ---- |
| 1325 | ---- | ---- | ---- | ---- | | .03- | 2 | .041 | ---- | ---- | 8 | | UNCH | .06B | ---- |
| 1350 | ---- | ---- | ---- | ---- | | .05- | 2 | .062 | ---- | ---- | 53 | | UNCH | .19 | .04 |
| 1375 | ---- | ---- | ---- | ---- | | .07- | 3 | .083 | ---- | ---- | 30 | | UNCH | .11B | .05 |
| 1400 | ---- | ---- | ---- | ---- | | .10- | 4 | .112 | ---- | ---- | 360 | | UNCH | .32 | .04 |
| 1425 | ---- | ---- | ---- | ---- | | .13- | 6 | .142 | ---- | ---- | 208 | | UNCH | .23 | .06 |
| 1450 | ---- | ---- | ---- | ---- | | .18- | 6 | .183 | ---- | ---- | 226 | | UNCH | .34B | .07 |
| 1475 | ---- | ---- | ---- | ---- | | .24- | 8 | .228 | ---- | 5 | 343 | + | 5 | .36B | .15 |
| 1500 | ---- | ---- | ---- | ---- | | .31- | 9 | .278 | ---- | 1 | 495 | + | 1 | .50B | .18A |
| 1525 | ---- | ---- | ---- | ---- | | .40- | 10 | .333 | ---- | 15 | 158 | + | 5 | .65B | .19A |
| 1550 | ---- | ---- | ---- | ---- | | .50- | 11 | .389 | ---- | ---- | 295 | | UNCH | .77B | .25 |
| 1575 | ---- | ---- | ---- | ---- | | .61- | 12 | .448 | ---- | ---- | 149 | | UNCH | .89B | .32 |
| 1600 | ---- | ---- | ---- | ---- | | .74- | 13 | .506 | ---- | ---- | 622 | | UNCH | 1.07B | .42 |
| 1625 | ---- | ---- | ---- | ---- | | .89- | 13 | .563 | ---- | ---- | 146 | | UNCH | 1.17B | .54A |
| 1650 | ---- | ---- | ---- | ---- | | 1.04- | 15 | .618 | ---- | ---- | 110 | | UNCH | 1.26 | .62A |
| 1675 | ---- | ---- | ---- | ---- | | 1.21- | 16 | .670 | ---- | ---- | 28 | | UNCH | 1.34B | .74A |
| 1750 | ---- | ---- | ---- | ---- | | 1.79- | 17 | .802 | ---- | ---- | 49 | | UNCH | 1.40B | 1.17A |
| TOTAL | | | | | | | | | | 21 | 3305 | + | 11 | | |
| JAN19 | MILK PUT | (FUTURES SETT. | 15.79 + | 16.0 ) | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | | .12- | 4 | .128 | ---- | ---- | 74 | | UNCH | .26 | .15A |
| 1425 | ---- | ---- | ---- | ---- | | .16- | 6 | .163 | ---- | ---- | 54 | | UNCH | .22B | .19A |
| 1450 | ---- | ---- | ---- | ---- | | .21- | 7 | .203 | ---- | 15 | 138 | + | 4 | .28B | .18 |
| 1475 | ---- | ---- | ---- | ---- | | .28- | 7 | .251 | ---- | ---- | 71 | | UNCH | .43B | .31A |
| 1500 | ---- | ---- | ---- | ---- | | .36- | 8 | .302 | ---- | ---- | 191 | | UNCH | .54B | .40A |
| 1525 | ---- | ---- | ---- | ---- | | .45- | 10 | .355 | ---- | ---- | 16 | | UNCH | .65B | .49A |
| 1550 | ---- | ---- | ---- | ---- | | .56- | 10 | .412 | ---- | ---- | 113 | | UNCH | .78B | .36 |
| 1575 | ---- | ---- | ---- | ---- | | .68- | 11 | .468 | ---- | ---- | 175 | | UNCH | .92B | .47A |
| 1600 | ---- | ---- | ---- | ---- | | .81- | 12 | .525 | ---- | ---- | 263 | | UNCH | .96B | .58A |
| 1625 | ---- | ---- | ---- | ---- | | .96- | 13 | .581 | ---- | ---- | 33 | | UNCH | 1.07B | .70A |
| TOTAL | | | | | | | | | | 15 | 1128 | + | 4 | | |
| FEB19 | MILK PUT | (FUTURES SETT. | 15.79 + | 14.0 ) | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | | .14- | 5 | .139 | ---- | ---- | 85 | | UNCH | .18 | .17A |
| 1425 | ---- | ---- | ---- | ---- | | .19- | 5 | .177 | ---- | ---- | 63 | | UNCH | .23 | .22 |
| 1450 | ---- | ---- | ---- | ---- | | .25- | 6 | .218 | ---- | 15 | 139 | + | 4 | .35B | .21 |
| 1475 | ---- | ---- | ---- | ---- | | .32- | 7 | .263 | ---- | ---- | 74 | | UNCH | .45B | .35A |
| 1500 | ---- | ---- | ---- | ---- | | .40- | 8 | .311 | ---- | ---- | 191 | | UNCH | .55B | .42A |
| 1525 | ---- | ---- | ---- | ---- | | .49- | 9 | .361 | ---- | ---- | 16 | | UNCH | .66B | .52A |
| 1550 | ---- | ---- | ---- | ---- | | .60- | 10 | .414 | ---- | ---- | 256 | | UNCH | .79B | .41A |
| 1575 | ---- | ---- | ---- | ---- | | .72- | 11 | .467 | ---- | ---- | 91 | | UNCH | .92B | .50A |
| 1600 | ---- | ---- | ---- | ---- | | .85- | 12 | .521 | ---- | ---- | 189 | | UNCH | 1.03B | .60A |
| 1625 | ---- | ---- | ---- | ---- | | 1.00- | 12 | .574 | ---- | ---- | 1 | | UNCH | 1.06B | .72A |
| TOTAL | | | | | | | | | | 15 | 1105 | + | 4 | | |
| MAR19 | MILK PUT | (FUTURES SETT. | 15.74 + | 8.0 ) | | | | | | | | | | | |
| 1350 | ---- | ---- | ---- | ---- | | .10- | 3 | .100 | ---- | ---- | 5 | | UNCH | .14 | .14 |

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# MILK , CLASS IV MILK & DRY WHEY OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



MILK PUT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILK PUT | (FUTURES SETT. | 15.74 + | 8.0 ) | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .18- | 4 | .161 | ---- | ---- | 49 | UNCH | .20B | .20A |
| 1425 | ---- | ---- | ---- | ---- | .23- | 5 | .196 | ---- | ---- | 28 | UNCH | .39B | .25A |
| 1450 | ---- | ---- | ---- | ---- | .30- | 5 | .238 | ---- | 15 | 139 + | 4 | .48B | .23 |
| 1475 | ---- | ---- | ---- | ---- | .37- | 6 | .281 | ---- | ---- | 46 | UNCH | .58B | .37A |
| 1500 | ---- | ---- | ---- | ---- | .46- | 6 | .328 | ---- | ---- | 191 | UNCH | .69B | .46A |
| 1525 | ---- | ---- | ---- | ---- | .56- | 7 | .376 | ---- | ---- | 51 | UNCH | .81B | .37A |
| 1550 | ---- | ---- | ---- | ---- | .67- | 7 | .426 | ---- | ---- | 58 | UNCH | .94B | .45A |
| 1575 | ---- | ---- | ---- | ---- | .79- | 8 | .477 | ---- | ---- | 136 | UNCH | 1.09B | .55A |
| 1600 | ---- | ---- | ---- | ---- | .93- | 8 | .527 | ---- | ---- | 244 | UNCH | 1.08B | .66A |
| 1625 | ---- | ---- | ---- | ---- | 1.08- | 8 | .576 | ---- | ---- | 76 | UNCH | .79B | .78A |
| TOTAL | | | | | | | | | 15 | 1023 + | 4 | | |
| APR19 | MILK PUT | (FUTURES SETT. | 15.85 + | 8.0 ) | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .17- | 2 | .151 | ---- | 2 | 51 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .22- | 2 | .185 | ---- | ---- | 3 | UNCH | .23B | ---- |
| 1450 | ---- | ---- | ---- | ---- | .28- | 3 | .223 | ---- | 10 | 147 | UNCH | .29B | ---- |
| 1475 | ---- | ---- | ---- | ---- | .35- | 3 | .265 | ---- | ---- | 5 | UNCH | .37B | .44A |
| 1500 | ---- | ---- | ---- | ---- | .43- | 4 | .309 | ---- | ---- | 97 | UNCH | .46B | .53A |
| 1525 | ---- | ---- | ---- | ---- | .53- | 4 | .357 | ---- | ---- | 31 | UNCH | .56B | .63A |
| 1550 | ---- | ---- | ---- | ---- | .63- | 5 | .405 | ---- | ---- | 47 | UNCH | .67B | .50A |
| 1575 | ---- | ---- | ---- | ---- | .75- | 5 | .454 | ---- | ---- | 59 | UNCH | .80B | .60A |
| 1600 | ---- | ---- | ---- | ---- | .88- | 6 | .504 | ---- | ---- | 279 | UNCH | .94B | .66A |
| 1625 | ---- | ---- | ---- | ---- | 1.02- | 6 | .552 | ---- | ---- | 5 | UNCH | .88B | .78A |
| TOTAL | | | | | | | | | 12 | 724 | | | |
| MAY19 | MILK PUT | (FUTURES SETT. | 15.90 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .19- | 1 | .157 | ---- | 2 | 51 | UNCH | .11 | .11 |
| 1425 | ---- | ---- | ---- | ---- | .24- | 1 | .189 | ---- | ---- | 6 | UNCH | .23B | .18 |
| 1450 | ---- | ---- | ---- | ---- | .30- | 1 | .225 | ---- | 10 | 147 | UNCH | .30B | ---- |
| 1475 | ---- | ---- | ---- | ---- | .37- | 2 | .265 | ---- | ---- | 5 | UNCH | .37B | ---- |
| 1500 | ---- | ---- | ---- | ---- | .45- | 2 | .307 | ---- | ---- | 97 | UNCH | .46B | ---- |
| 1525 | ---- | ---- | ---- | ---- | .55- | 1 | .352 | ---- | ---- | 3 | UNCH | .56B | ---- |
| 1550 | ---- | ---- | ---- | ---- | .65- | 2 | .398 | ---- | ---- | 47 | UNCH | .66B | .48A |
| 1575 | ---- | ---- | ---- | ---- | .77- | 2 | .445 | ---- | ---- | 4 | UNCH | .78B | .57A |
| 1600 | ---- | ---- | ---- | ---- | .90- | 2 | .492 | ---- | ---- | 204 | UNCH | .92B | .68A |
| 1625 | ---- | ---- | ---- | ---- | 1.04- | 2 | .538 | ---- | ---- | 5 | UNCH | 1.06B | .80A |
| TOTAL | | | | | | | | | 12 | 569 | | | |
| JUN19 | MILK PUT | (FUTURES SETT. | 16.00 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .19- | 1 | .152 | ---- | 2 | 51 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .24- | 1 | .183 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1450 | ---- | ---- | ---- | ---- | .30- | 2 | .218 | ---- | 10 | 147 | UNCH | ---- | ---- |
| 1475 | ---- | ---- | ---- | ---- | .37- | 2 | .256 | ---- | ---- | 5 | UNCH | .35B | ---- |
| 1500 | ---- | ---- | ---- | ---- | .45- | 2 | .296 | ---- | ---- | 97 | UNCH | .43B | ---- |
| 1525 | ---- | ---- | ---- | ---- | .54- | 2 | .338 | ---- | ---- | 3 | UNCH | .52B | .54A |
| 1550 | ---- | ---- | ---- | ---- | .65- | 1 | .383 | ---- | ---- | 47 | UNCH | .67B | .48A |
| 1575 | ---- | ---- | ---- | ---- | .76- | 2 | .427 | ---- | ---- | 3 | UNCH | .74B | .57A |
| 1600 | ---- | ---- | ---- | ---- | .89- | 1 | .472 | ---- | ---- | 204 | UNCH | .91B | .67A |
| 1625 | ---- | ---- | ---- | ---- | 1.02- | 2 | .517 | ---- | ---- | 6 | UNCH | 1.05B | .78A |
| TOTAL | | | | | | | | | 12 | 566 | | | |
| JUL19 | MILK PUT | (FUTURES SETT. | 16.20 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .18 | UNCH | .140 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .23 | UNCH | .169 | ---- | ---- | 23 | UNCH | ---- | ---- |
| 1450 | ---- | ---- | ---- | ---- | .28- | 1 | .199 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .42- | 1 | .271 | ---- | ---- | 100 | UNCH | .33B | ---- |
| 1550 | ---- | ---- | ---- | ---- | .61 | UNCH | .353 | ---- | ---- | 3 | UNCH | .50B | .47A |
| 1575 | ---- | ---- | ---- | ---- | .71 | UNCH | .394 | ---- | ---- | 1 | UNCH | .71B | .56A |
| 1600 | ---- | ---- | ---- | ---- | .83 | UNCH | .437 | ---- | ---- | 16 | UNCH | .83B | .66A |
| 1625 | ---- | ---- | ---- | ---- | .95- | 1 | .479 | ---- | ---- | 19 | UNCH | .96B | .77A |
| TOTAL | | | | | | | | | 0 | 174 | | | |
| AUG19 | MILK PUT | (FUTURES SETT. | 16.46 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .17 | UNCH | .126 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .21 | UNCH | .151 | ---- | ---- | 23 | UNCH | ---- | ---- |
| 1450 | ---- | ---- | ---- | ---- | .26 | UNCH | .179 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .39 | UNCH | .244 | ---- | ---- | 100 | UNCH | .30B | ---- |
| 1550 | ---- | ---- | ---- | ---- | .56 | UNCH | .318 | ---- | ---- | 3 | UNCH | .54B | .45A |
| 1575 | ---- | ---- | ---- | ---- | .65 | UNCH | .356 | ---- | ---- | 1 | UNCH | .64B | .53A |
| 1600 | ---- | ---- | ---- | ---- | .76 | UNCH | .395 | ---- | ---- | 16 | UNCH | .75B | .63A |
| 1625 | ---- | ---- | ---- | ---- | .88 | UNCH | .436 | ---- | ---- | 19 | UNCH | .87B | .73A |
| TOTAL | | | | | | | | | 0 | 174 | | | |
| SEP19 | MILK PUT | (FUTURES SETT. | 16.63 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .16 | UNCH | .117 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .20- | 1 | .141 | ---- | ---- | 23 | UNCH | ---- | ---- |
| 1450 | ---- | ---- | ---- | ---- | .25 | UNCH | .168 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .37- | 1 | .228 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .53 | UNCH | .297 | ---- | ---- | 3 | UNCH | .43B | .47A |
| 1575 | ---- | ---- | ---- | ---- | .62 | UNCH | .334 | ---- | ---- | 1 | UNCH | .52B | .56A |
| 1600 | ---- | ---- | ---- | ---- | .72- | 1 | .371 | ---- | ---- | 16 | UNCH | .62B | .65A |
| 1625 | ---- | ---- | ---- | ---- | .83- | 1 | .410 | ---- | ---- | 19 | UNCH | .73B | .75A |
| TOTAL | | | | | | | | | 0 | 174 | | | |
| OCT19 | MILK PUT | (FUTURES SETT. | 16.50 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .20 | UNCH | .136 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .24 | UNCH | .159 | ---- | ---- | 13 | UNCH | ---- | ---- |
| 1450 | ---- | ---- | ---- | ---- | .30 | UNCH | .189 | ---- | 10 | 13 + | 10 | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .43 | UNCH | .250 | ---- | ---- | 67 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .60 | UNCH | .319 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | .69 | UNCH | .354 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | .80 | UNCH | .392 | ---- | ---- | 16 | UNCH | ---- | .73A |
| 1625 | ---- | ---- | ---- | ---- | .92 | UNCH | .430 | ---- | 10 | 14 + | 10 | ---- | .84A |
| TOTAL | | | | | | | | | 20 | 131 + | 20 | | |
| NOV19 | MILK PUT | (FUTURES SETT. | 16.43 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .23 | UNCH | .149 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .28 | UNCH | .174 | ---- | ---- | 13 | UNCH | ---- | ---- |
| 1450 | ---- | ---- | ---- | ---- | .33- | 1 | .200 | ---- | 10 | 13 + | 10 | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .48 | UNCH | .264 | ---- | ---- | 67 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .65 | UNCH | .331 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | .75 | UNCH | .367 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | .86 | UNCH | .403 | ---- | ---- | 16 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | .98 | UNCH | .440 | ---- | 10 | 14 + | 10 | ---- | ---- |
| TOTAL | | | | | | | | | 20 | 131 + | 20 | | |
| DEC19 | MILK PUT | (FUTURES SETT. | 16.25 | .0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .27 | UNCH | .168 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .33 | UNCH | .196 | ---- | ---- | 13 | UNCH | ---- | ---- |
| 1450 | ---- | ---- | ---- | ---- | .39 | UNCH | .224 | ---- | 10 | 13 + | 10 | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .55 | UNCH | .289 | ---- | ---- | 67 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .74 | UNCH | .358 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | .84- | 1 | .393 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | .96 | UNCH | .430 | ---- | ---- | 16 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | 1.09 | UNCH | .466 | ---- | 10 | 14 + | 10 | ---- | 1.02A |
| TOTAL | | | | | | | | | 20 | 131 + | 20 | | |

CLASS IV PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASS IV PUT | | | | | | | | | | | | | | |
| JUN18 | CLASS IV PUT | | | | | | | | | | | | | |
| 1250 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 4 | UNCH | .03 | .03 |
| 1275 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 60 | UNCH | .11B | .03 |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 43 | UNCH | .17B | .02 |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 20 | UNCH | .23B | .06 |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 15 | UNCH | .31B | ---- |
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 10 | UNCH | .43B | .08 |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 32 | UNCH | .55B | .25A |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | | ---- | ---- | ---- | 17 | UNCH | .68B | .33A |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | | .000 | ---- | ---- | 65 | UNCH | .86B | .30A |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | | .077 | ---- | ---- | 15 | UNCH | 1.03B | .26A |
| 1500 | ---- | ---- | ---- | ---- | .09 | UNCH | | .886 | ---- | ---- | 24 | UNCH | .33B | .05 |
| 1525 | ---- | ---- | ---- | ---- | .34 | UNCH | | 1.000 | ---- | ---- | 9 | UNCH | .45B | .23A |
| 1550 | ---- | ---- | ---- | ---- | .59 | UNCH | | 1.000 | ---- | ---- | 21 | UNCH | .61B | .17 |
| 1575 | ---- | ---- | ---- | ---- | .84 | UNCH | | 1.000 | ---- | ---- | 14 | UNCH | .73B | .46A |
| 1600 | ---- | ---- | ---- | ---- | 1.09 | UNCH | | 1.000 | ---- | ---- | 10 | UNCH | ---- | .62A |
| 1625 | ---- | ---- | ---- | ---- | 1.34 | UNCH | | 1.000 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | 1.59 | UNCH | | 1.000 | ---- | ---- | 46 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 415 | | | |
| JUL18 | CLASS IV PUT | | | | | | | | | | | | | |
| 1275 | ---- | ---- | ---- | ---- | CAB | ---- | | .000 | ---- | ---- | 4 | UNCH | .05 | .05 |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | | .000 | ---- | ---- | 31 | UNCH | .04 | .02 |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | | .005 | ---- | ---- | 60 | UNCH | .04 | .04 |

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## FINAL



CLASS IV PUT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CLASS IV PUT | | | | | | | | | | | | | |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | .026 | ---- | ---- | 42 | UNCH | ---- | ---- |
| 1400 | ---- | ---- | ---- | ---- | .05- | 3 | .199 | ---- | ---- | 26 | UNCH | .58B | .03 |
| 1425 | ---- | ---- | ---- | ---- | .12- | 6 | .397 | ---- | ---- | 10 | UNCH | .10B | .04 |
| 1450 | ---- | ---- | ---- | ---- | .25- | 9 | .638 | ---- | ---- | 47 | UNCH | .22B | .16A |
| 1475 | ---- | ---- | ---- | ---- | .44- | 11 | .825 | ---- | 2 | 16 - | 2 | .29B | .13A |
| 1500 | ---- | ---- | ---- | ---- | .66- | 12 | .944 | ---- | ---- | 60 | UNCH | .28B | .25 |
| 1525 | ---- | ---- | ---- | ---- | .90- | 12 | .972 | ---- | ---- | 18 | UNCH | .38B | .34A |
| 1550 | ---- | ---- | ---- | ---- | 1.15- | 12 | .992 | ---- | ---- | 21 | UNCH | .50B | .30A |
| 1575 | ---- | ---- | ---- | ---- | 1.40- | 12 | .998 | ---- | 2 | 7 - | 2 | .65B | .39A |
| 1600 | ---- | ---- | ---- | ---- | 1.65- | 12 | .999 | ---- | ---- | 3 | UNCH | .81B | .42A |
| 1625 | ---- | ---- | ---- | ---- | 1.90- | 12 | .999 | ---- | ---- | 3 | UNCH | .94B | .54A |
| 1650 | ---- | ---- | ---- | ---- | 2.15- | 12 | 1.000 | ---- | ---- | 22 | UNCH | .71B | .68A |
| TOTAL | | | | | | | | | 4 | 370 - | 4 | | |
| AUG18 | CLASS IV PUT | | | | | | | | | | | | |
| 1275 | ---- | ---- | ---- | ---- | .01- | 1 | .026 | ---- | ---- | 4 | UNCH | .05 | .05 |
| 1300 | ---- | ---- | ---- | ---- | .02- | 1 | .050 | ---- | ---- | 31 | UNCH | .06 | .06 |
| 1325 | ---- | ---- | ---- | ---- | .05+ | 1 | .104 | ---- | ---- | 60 | UNCH | .08 | .08 |
| 1350 | ---- | ---- | ---- | ---- | .08 | UNCH | .157 | ---- | ---- | 42 | UNCH | .12B | ---- |
| 1375 | ---- | ---- | ---- | ---- | .13- | 1 | .233 | ---- | ---- | 6 | UNCH | .17B | .15 |
| 1400 | ---- | ---- | ---- | ---- | .21 | UNCH | .330 | ---- | ---- | 30 | UNCH | .25B | ---- |
| 1425 | ---- | ---- | ---- | ---- | .31 | UNCH | .435 | ---- | ---- | 6 | UNCH | .36B | ---- |
| 1450 | ---- | ---- | ---- | ---- | .44- | 1 | .543 | ---- | ---- | 63 | UNCH | .49B | .20 |
| 1475 | ---- | ---- | ---- | ---- | .60- | 1 | .644 | ---- | 2 | 11 - | 2 | .65B | ---- |
| 1500 | ---- | ---- | ---- | ---- | .78- | 1 | .733 | ---- | ---- | 37 | UNCH | .48B | .25 |
| 1525 | ---- | ---- | ---- | ---- | .99- | 1 | .797 | ---- | ---- | 15 | UNCH | .64B | ---- |
| 1550 | ---- | ---- | ---- | ---- | 1.21- | 1 | .848 | ---- | ---- | 42 | UNCH | .68B | ---- |
| 1575 | ---- | ---- | ---- | ---- | 1.45 | UNCH | .873 | ---- | 2 | ---- | 2 | .75B | .45 |
| 1600 | ---- | ---- | ---- | ---- | 1.69 | UNCH | .894 | ---- | ---- | 4 | UNCH | .81B | .42A |
| 1625 | ---- | ---- | ---- | ---- | 1.93 | UNCH | .913 | ---- | ---- | 4 | UNCH | .87B | .53A |
| 1650 | ---- | ---- | ---- | ---- | 2.16- | 1 | .942 | ---- | ---- | 16 | UNCH | 1.04B | .66A |
| TOTAL | | | | | | | | | 4 | 371 - | 4 | | |
| SEP18 | CLASS IV PUT | | | | | | | | | | | | |
| 1275 | ---- | ---- | ---- | ---- | .03+ | 1 | .053 | ---- | ---- | 4 | UNCH | .05 | .05 |
| 1300 | ---- | ---- | ---- | ---- | .04 | UNCH | .071 | ---- | ---- | 30 | UNCH | .06 | .06 |
| 1325 | ---- | ---- | ---- | ---- | .07 | UNCH | .113 | ---- | ---- | 60 | UNCH | .08 | .08 |
| 1350 | ---- | ---- | ---- | ---- | .10 | UNCH | .155 | ---- | ---- | 42 | UNCH | .13B | ---- |
| 1375 | ---- | ---- | ---- | ---- | .15 | UNCH | .215 | ---- | ---- | 5 | UNCH | .19B | ---- |
| 1400 | ---- | ---- | ---- | ---- | .22- | 1 | .288 | ---- | ---- | 27 | UNCH | .27B | .25 |
| 1425 | ---- | ---- | ---- | ---- | .31- | 1 | .368 | ---- | ---- | 7 | UNCH | .36B | ---- |
| 1450 | ---- | ---- | ---- | ---- | .43+ | 1 | .453 | ---- | ---- | 66 | UNCH | .48B | ---- |
| 1475 | ---- | ---- | ---- | ---- | .56 | UNCH | .537 | ---- | 2 | 12 | UNCH | .62B | ---- |
| 1500 | ---- | ---- | ---- | ---- | .70- | 1 | .622 | ---- | ---- | 32 | UNCH | .77B | .25 |
| 1525 | ---- | ---- | ---- | ---- | .87- | 1 | .700 | ---- | ---- | 17 | UNCH | .94B | ---- |
| 1550 | ---- | ---- | ---- | ---- | 1.06- | 1 | .768 | ---- | ---- | 28 | UNCH | .93B | ---- |
| 1575 | ---- | ---- | ---- | ---- | 1.27+ | 1 | .821 | ---- | 2 | 15 | UNCH | .95B | .49 |
| 1600 | ---- | ---- | ---- | ---- | 1.49+ | 1 | .854 | ---- | ---- | 4 | UNCH | .86B | ---- |
| 1625 | ---- | ---- | ---- | ---- | 1.73+ | 1 | .874 | ---- | ---- | 4 | UNCH | .97B | .61A |
| 1650 | ---- | ---- | ---- | ---- | 1.97+ | 1 | .893 | ---- | ---- | 23 | UNCH | 1.02B | .74A |
| TOTAL | | | | | | | | | 4 | 376 | | | |
| OCT18 | CLASS IV PUT | | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | .04 | UNCH | .063 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1325 | ---- | ---- | ---- | ---- | .06 | UNCH | .090 | ---- | ---- | 11 | UNCH | .07 | .04 |
| 1350 | ---- | ---- | ---- | ---- | .09 | UNCH | .127 | ---- | ---- | 50 | UNCH | .10B | ---- |
| 1375 | ---- | ---- | ---- | ---- | .13- | 1 | .173 | ---- | ---- | 23 | UNCH | .15B | ---- |
| 1400 | ---- | ---- | ---- | ---- | .19 | UNCH | .231 | ---- | ---- | 23 | UNCH | .22B | ---- |
| 1425 | ---- | ---- | ---- | ---- | .26- | 1 | .295 | ---- | ---- | 15 | UNCH | .30B | ---- |
| 1450 | ---- | ---- | ---- | ---- | .35- | 1 | .365 | ---- | ---- | 29 | UNCH | .39B | ---- |
| 1475 | ---- | ---- | ---- | ---- | .46- | 1 | .440 | ---- | ---- | 12 | UNCH | .78B | ---- |
| 1500 | ---- | ---- | ---- | ---- | .59- | 1 | .515 | ---- | ---- | 33 | UNCH | .63B | ---- |
| 1525 | ---- | ---- | ---- | ---- | .74 | UNCH | .587 | ---- | ---- | 1 | UNCH | .79B | ---- |
| 1550 | ---- | ---- | ---- | ---- | .90- | 1 | .657 | ---- | ---- | 15 | UNCH | .95B | ---- |
| 1575 | ---- | ---- | ---- | ---- | 1.08- | 2 | .721 | ---- | ---- | 19 | UNCH | 1.08B | ---- |
| 1600 | ---- | ---- | ---- | ---- | 1.26- | 4 | .780 | ---- | ---- | 19 | UNCH | 1.03B | ---- |
| 1625 | ---- | ---- | ---- | ---- | 1.48- | 4 | .826 | ---- | ---- | 2 | UNCH | .99B | ---- |
| TOTAL | | | | | | | | | 0 | 255 | | | |
| NOV18 | CLASS IV PUT | | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | .05- | 1 | .070 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1325 | ---- | ---- | ---- | ---- | .07- | 2 | .095 | ---- | ---- | 11 | UNCH | .09 | .09 |
| 1350 | ---- | ---- | ---- | ---- | .11- | 1 | .135 | ---- | ---- | 40 | UNCH | .13B | ---- |
| 1375 | ---- | ---- | ---- | ---- | .15- | 2 | .176 | ---- | ---- | 23 | UNCH | .19B | ---- |
| 1400 | ---- | ---- | ---- | ---- | .21- | 2 | .227 | ---- | ---- | 23 | UNCH | .25B | ---- |
| 1425 | ---- | ---- | ---- | ---- | .28- | 3 | .283 | ---- | ---- | 15 | UNCH | .33B | ---- |
| 1450 | ---- | ---- | ---- | ---- | .37- | 3 | .346 | ---- | ---- | 29 | UNCH | .43B | ---- |
| 1475 | ---- | ---- | ---- | ---- | .48- | 3 | .411 | ---- | ---- | 12 | UNCH | .34B | ---- |
| 1500 | ---- | ---- | ---- | ---- | .60- | 3 | .477 | ---- | ---- | 38 | UNCH | .67B | .25 |
| 1525 | ---- | ---- | ---- | ---- | .73- | 4 | .542 | ---- | ---- | 1 | UNCH | .54B | ---- |
| 1550 | ---- | ---- | ---- | ---- | .89- | 3 | .605 | ---- | ---- | 12 | UNCH | .97B | ---- |
| 1575 | ---- | ---- | ---- | ---- | 1.05- | 4 | .664 | ---- | ---- | 19 | UNCH | 1.10B | ---- |
| 1600 | ---- | ---- | ---- | ---- | 1.24- | 4 | .720 | ---- | ---- | 22 | UNCH | 1.29B | ---- |
| 1625 | ---- | ---- | ---- | ---- | 1.43- | 6 | .766 | ---- | ---- | 6 | UNCH | 1.20B | .77A |
| TOTAL | | | | | | | | | 0 | 254 | | | |
| DEC18 | CLASS IV PUT | | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | .07+ | 1 | .084 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1325 | ---- | ---- | ---- | ---- | .09 | UNCH | .107 | ---- | ---- | 7 | UNCH | .10 | .09 |
| 1350 | ---- | ---- | ---- | ---- | .13 | UNCH | .144 | ---- | ---- | 25 | UNCH | .13B | ---- |
| 1375 | ---- | ---- | ---- | ---- | .18 | UNCH | .186 | ---- | ---- | 8 | UNCH | .18B | ---- |
| 1400 | ---- | ---- | ---- | ---- | .24 | UNCH | .232 | ---- | ---- | 23 | UNCH | .25B | ---- |
| 1425 | ---- | ---- | ---- | ---- | .31 | UNCH | .283 | ---- | ---- | 15 | UNCH | .33B | ---- |
| 1450 | ---- | ---- | ---- | ---- | .40 | UNCH | .340 | ---- | ---- | 29 | UNCH | .42B | ---- |
| 1475 | ---- | ---- | ---- | ---- | .50 | UNCH | .398 | ---- | ---- | 12 | UNCH | .53B | ---- |
| 1500 | ---- | ---- | ---- | ---- | .62+ | 1 | .458 | ---- | ---- | 33 | UNCH | .66B | ---- |
| 1525 | ---- | ---- | ---- | ---- | .75 | UNCH | .519 | ---- | ---- | 1 | UNCH | .78B | ---- |
| 1550 | ---- | ---- | ---- | ---- | .90+ | 1 | .577 | ---- | ---- | 15 | UNCH | .93B | ---- |
| 1575 | ---- | ---- | ---- | ---- | 1.06 | UNCH | .634 | ---- | ---- | 19 | UNCH | 1.09B | ---- |
| 1600 | ---- | ---- | ---- | ---- | 1.23 | UNCH | .685 | ---- | ---- | 22 | UNCH | 1.26B | ---- |
| 1625 | ---- | ---- | ---- | ---- | 1.42 | UNCH | .732 | ---- | ---- | 2 | UNCH | 1.38B | ---- |
| TOTAL | | | | | | | | | 0 | 214 | | | |
| JAN19 | CLASS IV PUT | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .28 | UNCH | .245 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .35- | 1 | .292 | ---- | ---- | 17 | UNCH | ---- | ---- |
| 1475 | ---- | ---- | ---- | ---- | .55 | UNCH | .400 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .67 | UNCH | .456 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .94 | UNCH | .565 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | 1.10 | UNCH | .617 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | 1.27 | UNCH | .667 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 49 | | | |
| FEB19 | CLASS IV PUT | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .29 | UNCH | .239 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .36 | UNCH | .283 | ---- | ---- | 17 | UNCH | ---- | ---- |
| 1475 | ---- | ---- | ---- | ---- | .55 | UNCH | .383 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .67 | UNCH | .435 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .93 | UNCH | .539 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | 1.08 | UNCH | .588 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | 1.25 | UNCH | .637 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 49 | | | |
| MAR19 | CLASS IV PUT | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .27 | UNCH | .212 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1425 | ---- | ---- | ---- | ---- | .34 | UNCH | .252 | ---- | ---- | 17 | UNCH | ---- | ---- |
| 1475 | ---- | ---- | ---- | ---- | .51 | UNCH | .340 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | .61 | UNCH | .386 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .85 | UNCH | .483 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | .99 | UNCH | .530 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | 1.14 | UNCH | .576 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 49 | | | |
| APR19 | CLASS IV PUT | | | | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .33 | UNCH | .237 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | .95 | UNCH | .498 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 10 | | | |
| MAY19 | CLASS IV PUT | | | | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .28 | UNCH | .196 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | .82 | UNCH | .428 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 10 | | | |
| JUN19 | CLASS IV PUT | | | | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .30 | UNCH | .199 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | .83 | UNCH | .420 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 10 | | | |

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# MILK , CLASS IV MILK & DRY WHEY OPTIONS



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## FINAL



DRY WHEY PUT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | DRY WHEY PUT | (FUTURES SETT. | 30.63 + | 10.0 ) | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | ---- | ---- |
| 220 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 35 | UNCH | ---- | ---- |
| 230 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | ---- | ---- |
| 240 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 29 | UNCH | ---- | ---- |
| 250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 124 | UNCH | ---- | ---- |
| 260 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 27 | UNCH | ---- | .50A |
| 270 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 24 | UNCH | ---- | .22A |
| 300 | ---- | ---- | ---- | ---- | CAB | ---- | .056 | ---- | ---- | 10 | UNCH | 1.22B | 1.12A |
| 305 | ---- | ---- | ---- | ---- | .0250- | 2 | .225 | ---- | ---- | 10 | UNCH | .75B | .27 |
| 360 | ---- | ---- | ---- | ---- | 5.3750- | 10 | 1.000 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | ---- | 9.3750- | 10 | 1.000 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 294 | | | |
| JUL18 | DRY WHEY PUT | (FUTURES SETT. | 32.50 + | 67.5 ) | | | | | | | | | |
| 250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | ---- | ---- |
| 260 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | ---- | ---- |
| 270 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | ---- | .20A |
| 280 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 5 | UNCH | ---- | .32A |
| 300 | ---- | ---- | ---- | ---- | CAB | ---- | .022 | ---- | ---- | 34 | UNCH | ---- | .60A |
| 310 | ---- | ---- | ---- | ---- | .0750- | 10 | .112 | ---- | ---- | 17 | UNCH | .17B | .80A |
| 320 | ---- | ---- | ---- | ---- | .2750- | 32 | .331 | ---- | ---- | 10 | UNCH | .87B | .52A |
| 340 | ---- | ---- | ---- | ---- | 1.5750- | 62 | .879 | ---- | ---- | 7 | UNCH | 1.97B | 1.97A |
| TOTAL | | | | | | | | | 0 | 173 | | | |
| AUG18 | DRY WHEY PUT | (FUTURES SETT. | 33.00 + | 175.0 ) | | | | | | | | | |
| 250 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 260 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 270 | ---- | ---- | ---- | ---- | CAB | ---- | .011 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 280 | ---- | ---- | ---- | ---- | .0250- | 12 | .022 | ---- | ---- | 5 | UNCH | .02B | ---- |
| 290 | ---- | ---- | ---- | ---- | .0500- | 27 | .044 | ---- | ---- | 26 | UNCH | .15B | .22A |
| 300 | ---- | ---- | ---- | ---- | .1500- | 45 | .110 | ---- | ---- | 34 | UNCH | .40B | .35A |
| 310 | ---- | ---- | ---- | ---- | .3250- | 67 | .206 | ---- | ---- | 17 | UNCH | 1.00B | .52A |
| 320 | ---- | ---- | ---- | ---- | .6250- | 92 | .336 | ---- | ---- | 10 | UNCH | 1.25B | .85A |
| 340 | ---- | ---- | ---- | ---- | 1.6500- | 137 | .630 | ---- | ---- | 8 | UNCH | 1.42B | 2.15A |
| TOTAL | | | | | | | | | 0 | 200 | | | |
| SEP18 | DRY WHEY PUT | (FUTURES SETT. | 31.95 + | 117.5 ) | | | | | | | | | |
| 250 | ---- | ---- | ---- | ---- | CAB | ---- | .009 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 260 | ---- | ---- | ---- | ---- | .0250- | 2 | .019 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 270 | ---- | ---- | ---- | ---- | .0500- | 7 | .037 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 280 | ---- | ---- | ---- | ---- | .1250- | 15 | .082 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | .2750- | 22 | .154 | ---- | ---- | 26 | UNCH | ---- | ---- |
| 300 | ---- | ---- | ---- | ---- | .5000- | 37 | .247 | ---- | ---- | 34 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | .8500- | 50 | .363 | ---- | ---- | 17 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | ---- | 1.3000- | 65 | .486 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | ---- | 2.5750- | 90 | .714 | ---- | ---- | 13 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 205 | | | |
| OCT18 | DRY WHEY PUT | (FUTURES SETT. | 30.83 + | 27.5 ) | | | | | | | | | |
| 250 | ---- | ---- | ---- | ---- | .0500 | UNCH | .032 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 260 | ---- | ---- | ---- | ---- | .1000- | 2 | .061 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 280 | ---- | ---- | ---- | ---- | .3750- | 5 | .183 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | .6500- | 7 | .277 | ---- | ---- | 37 | UNCH | ---- | ---- |
| 300 | ---- | ---- | ---- | ---- | 1.0000- | 12 | .383 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.5000- | 15 | .497 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | ---- | 2.0750- | 17 | .606 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 330 | ---- | ---- | ---- | ---- | 2.7750- | 20 | .704 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | ---- | 3.5500- | 22 | .789 | ---- | ---- | 13 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 135 | | | |
| NOV18 | DRY WHEY PUT | (FUTURES SETT. | 30.33 + | 20.0 ) | | | | | | | | | |
| 250 | ---- | ---- | ---- | ---- | .1000- | 2 | .056 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 260 | ---- | ---- | ---- | ---- | .2000- | 2 | .101 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 280 | ---- | ---- | ---- | ---- | .6250- | 5 | .248 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | .9500- | 7 | .340 | ---- | ---- | 37 | UNCH | ---- | ---- |
| 300 | ---- | ---- | ---- | ---- | 1.4000- | 7 | .441 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.9250- | 12 | .543 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | ---- | 2.5750- | 12 | .638 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 330 | ---- | ---- | ---- | ---- | 3.2750- | 15 | .723 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | ---- | 4.0750- | 17 | .795 | ---- | ---- | 13 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 135 | | | |
| DEC18 | DRY WHEY PUT | (FUTURES SETT. | 31.00 + | 125.0 ) | | | | | | | | | |
| 250 | ---- | ---- | ---- | ---- | .1000- | 10 | .052 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 280 | ---- | ---- | ---- | ---- | .5750- | 32 | .214 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | .8500- | 45 | .291 | ---- | ---- | 37 | UNCH | ---- | ---- |
| 300 | ---- | ---- | ---- | ---- | 1.2500- | 55 | .380 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | ---- | 1.7250- | 65 | .472 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | ---- | 2.3000- | 75 | .562 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 330 | ---- | ---- | ---- | ---- | 2.9500- | 87 | .648 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | ---- | 3.6750- | 95 | .721 | ---- | ---- | 12 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 119 | | | |
| JAN19 | DRY WHEY PUT | (FUTURES SETT. | 30.00 | .0 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | .9000 | UNCH | .294 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | 1.3000 | UNCH | .381 | ---- | ---- | 15 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 30 | | | |
| FEB19 | DRY WHEY PUT | (FUTURES SETT. | 30.00 | .0 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | 1.0000 | UNCH | .303 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | 1.4000 | UNCH | .384 | ---- | ---- | 15 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 30 | | | |
| MAR19 | DRY WHEY PUT | (FUTURES SETT. | 30.00 | .0 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | 1.1250 | UNCH | .311 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | 1.5250 | UNCH | .387 | ---- | ---- | 15 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 30 | | | |
| APR19 | DRY WHEY PUT | (FUTURES SETT. | 31.00 | .0 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | .9250 | UNCH | .254 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | 1.2750 | UNCH | .321 | ---- | ---- | 15 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 30 | | | |
| MAY19 | DRY WHEY PUT | (FUTURES SETT. | 31.90 | .0 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | .8000 | UNCH | .214 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | 1.1000- | 2 | .272 | ---- | ---- | 15 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 30 | | | |
| JUN19 | DRY WHEY PUT | (FUTURES SETT. | 32.20 | .0 ) | | | | | | | | | |
| 280 | ---- | ---- | ---- | ---- | .8000- | 2 | .206 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 290 | ---- | ---- | ---- | ---- | 1.1000 | UNCH | .262 | ---- | ---- | 15 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 30 | | | |

OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| MILK PUT | MILK OPTIONS | | | | | | |
| JUN18 PUT | | | | | | | |
| OA | 1575 | ---- | ---- | ---- | ---- | 27 | 0.00 |
| OA | 1600 | ---- | ---- | ---- | ---- | 113 | 0.00 |
| OA | 1625 | ---- | ---- | ---- | ---- | 16 | 0.00 |
| OA | 1650 | ---- | ---- | ---- | ---- | 10 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 166 | 0 |
| JUL18 PUT | | | | | | | |
| OA | 1450 | ---- | ---- | ---- | 2 | 2 | 0.00 |
| OA | 1500 | ---- | ---- | ---- | 6 | 6 | 0.00 |
| OA | 1550 | ---- | ---- | ---- | 3 | 3 | 0.00 |
| OA | 1600 | ---- | ---- | ---- | 3 | 3 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 14 | 14 | 0 |
| CLASS IV PUT | CLASS IV MILK OPTIONS | | | | | | |
| JUN18 PUT | | | | | | | |
| DZ | 1650 | ---- | ---- | ---- | ---- | 1 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 1 | 0 |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE MINI MILK = $2.50, MIDI MILK = $5.00, NONFAT DRY MILK, BUTTER, DRY WHEY AND CHEESE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### MIDI MILK, NFD MILK CS, NFD MILK DELV, SKIMMED MILK, BUTTER AND CASH BUTTER OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CB0 | 90.0-372.0 | 86.0-380.0 | 86.0-380.0 | 86.0-380.0 | 86.0-378.0 | 84.0-378.0 | 80.0-374.0 | 80.0-360.0 | 80.0-354.0 | 80.0-356.0 | 80.0-356.0 | 80.0-354.0 |
| JQ | 17.5-255.0 | 15.0-255.0 | 22.5-255.0 | 30.0-255.0 | 30.0-255.0 | 30.0-255.0 | 30.0-255.0 | 27.5-247.5 | 30.0-250.0 | 30.0-250.0 | 30.0-255.0 | 30.0-255.0 |
| NZ | 36.0-204.0 | 36.0-206.0 | 36.0-204.0 | 36.0-204.0 | 36.0-204.0 | 36.0-204.0 | 42.0-204.0 | 42.0-204.0 | 42.0-198.0 | 44.0-198.0 | 44.0-198.0 | 46.0-198.0 |
| OSC | 30.0-262.5 | 25.0-265.0 | 32.5-265.0 | 40.0-270.0 | 42.5-270.0 | 42.5-272.5 | 42.5-277.5 | 40.0-277.5 | 40.0-277.5 | 40.0-277.5 | 40.0-277.5 | 40.0-272.5 |

### MIDI MILK, NFD MILK CS, NFD MILK DELV, SKIMMED MILK, BUTTER AND CASH BUTTER CONTRACTS LAST TRADE

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CASH BUTTER FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| CASH BUTTER OPT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| CHEESE FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| MILK MIDI OPT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| NFD MILK CS FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| NFD MILK CS OPT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |
| MILK MIDI FUT | 07/03 | 07/31 | 08/28 | 10/02 | 10/30 | 12/04 | 01/02 | 01/29 | 02/26 | 04/02 | 04/30 | 06/04 | 07/02 |

### MIDI MILK, NFD MILK CS, NFD MILK DELV, SKIMMED MILK, BUTTER AND CASH BUTTER FUTURES

| | OPENING RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | -52 WEEKS (364 DAYS) AGO- OPEN VOL. | SETT. INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MILK FUT | | | | | | | | | | | |
| JUN18 | 15.23 | 15.26 | 15.23 | ---- | 15.23 + 1 | ---- | 57 | 2890 + 2 | ---- | 5540 | 16.44 |
| JUL18 | 14.10 | 14.35 | 14.06 | ---- | 14.29 + 23 | ---- | 535 | 3949 - 21 | 197 | 4902 | 15.82 |
| AUG18 | 14.94 | 15.30 | 14.93 | ---- | 15.27 + 39 | ---- | 355 | 3686 + 11 | 329 | 4144 | 16.60 |
| SEP18 | 15.65 | 15.92 | 15.60 | ---- | 15.89 + 32 | ---- | 240 | 3265 - 12 | 256 | 4210 | 16.78 |
| OCT18 | 15.81 | 16.05 | 15.78 | ---- | 16.03 + 26 | ---- | 228 | 2755 + 82 | 93 | 3034 | 16.97 |
| NOV18 | 15.78 | 16.06 | 15.77 | ---- | 15.96 + 23 | ---- | 130 | 2282 + 4 | 37 | 2664 | 16.97 |
| DEC18 | 15.72 | 15.97 | 15.72 | ---- | 15.88 + 18 | ---- | 127 | 2065 - 14 | 20 | 2527 | 16.82 |
| JAN19 | 15.66 | 15.81 | 15.62A | ---- | 15.79 + 16 | ---- | 30 | 728 + 13 | 30 | 814 | 16.57 |
| FEB19 | 15.61 | 15.80 | 15.61 | ---- | 15.79 + 14 | ---- | 5 | 533 - 3 | 18 | 763 | 16.50 |
| MAR19 | 15.72 | 15.77B | 15.71 | ---- | 15.74 + 8 | ---- | 5 | 423 + 4 | 10 | 656 | 16.48 |
| APR19 | 15.81 | 15.88 | 15.81 | ---- | 15.85 + 8 | ---- | 3 | 382 + 3 | 2 | 500 | 16.37 |
| MAY19 | ---- | ---- | ---- | ---- | 15.90 UNCH | ---- | ---- | 244 UNCH | 14 | 506 | 16.42 |
| JUN19 | ---- | ---- | ---- | ---- | 16.00 UNCH | ---- | ---- | 182 UNCH | 13 | 446 | 16.59 |
| JUL19 | ---- | ---- | ---- | ---- | 16.20 UNCH | ---- | ---- | 68 UNCH | 2 | 124 | 16.73 |
| AUG19 | ---- | ---- | ---- | ---- | 16.46 UNCH | ---- | ---- | 102 UNCH | 12 | 121 | 16.80 |
| SEP19 | ---- | ---- | ---- | ---- | 16.63 UNCH | ---- | ---- | 75 UNCH | 18 | 130 | 16.86 |
| OCT19 | ---- | ---- | ---- | ---- | 16.50 UNCH | ---- | ---- | 78 UNCH | ---- | 79 | 16.86 |
| NOV19 | ---- | ---- | ---- | ---- | 16.43 UNCH | ---- | ---- | 69 UNCH | ---- | 81 | 16.76 |
| DEC19 | ---- | ---- | ---- | ---- | 16.25 UNCH | ---- | ---- | 61 UNCH | ---- | 78 | 16.66 |
| TOTAL | MILK FUT | | | | | 0 | 1715 | 23837 + 69 | 1051 | 31319 | |
| JUN18 | 81.40 | 81.75B | 81.38 | ---- | 81.75 + 22 | ---- | 25 | 1107 + 18 | ---- | 1195 | 91.37 |
| JUL18 | 79.00 | 79.33B | 78.80 | ---- | 79.25 + 25 | ---- | 30 | 1007 + 10 | ---- | 997 | 88.50 |
| AUG18 | 78.87 | 79.75 | 78.88 | ---- | 79.75 + 95 | ---- | 35 | 907 - 13 | 10 | 943 | 89.90 |
| SEP18 | 80.40 | 81.20 | 80.40 | ---- | 81.20 + 95 | ---- | 16 | 939 - 1 | 20 | 914 | 90.53 |
| OCT18 | 81.82 | 82.95 | 81.83 | ---- | 82.50 + 35 | ---- | 15 | 711 + 6 | 2 | 556 | 91.40 |
| NOV18 | 83.10 | 84.15 | 83.10 | ---- | 84.05 + 75 | ---- | 14 | 489 - 7 | 13 | 630 | 92.55 |
| DEC18 | 84.22 | 85.20 | 84.23 | ---- | 84.80 - 7 | ---- | 28 | 549 + 1 | 1 | 640 | 94.13 |
| JAN19 | ---- | 85.78B | 85.65A | ---- | 85.75 UNCH | ---- | 1 | 266 + 1 | 6 | 361 | 96.08 |
| FEB19 | ---- | ---- | 86.88A | ---- | 87.00 UNCH | ---- | 1 | 273 + 1 | 7 | 223 | 98.20 |
| MAR19 | ---- | ---- | 88.13A | ---- | 88.38 UNCH | ---- | 1 | 122 + 1 | 10 | 199 | 100.18 |
| APR19 | 89.40 | 89.40 | 88.95 | ---- | 89.40 + 10 | ---- | 14 | 104 + 2 | 9 | 68 | 100.60 |
| MAY19 | ---- | ---- | ---- | ---- | 91.25 UNCH | ---- | ---- | 44 UNCH | 6 | 52 | 101.80 |
| JUN19 | ---- | ---- | ---- | ---- | 91.85 UNCH | ---- | ---- | 29 UNCH | 5 | 33 | 102.60 |
| JUL19 | ---- | ---- | ---- | ---- | 95.45 UNCH | ---- | ---- | 8 UNCH | 2 | 18 | 104.03 |
| AUG19 | ---- | ---- | ---- | ---- | 97.58 UNCH | ---- | ---- | 8 UNCH | ---- | 7 | 107.80 |
| SEP19 | ---- | ---- | ---- | ---- | 97.50 UNCH | ---- | ---- | 5 UNCH | ---- | ---- | 111.98 |
| OCT19 | ---- | ---- | ---- | ---- | 99.80 UNCH | ---- | ---- | 4 UNCH | ---- | ---- | 125.00 |
| | | | | | | 0 | 180.00 | 6572 + 19 | 91 | 6836 | |
| JUN18 | 236.47 | 236.98 | 236.48 | ---- | 236.48 + 47 | ---- | 8 | 1390 UNCH | ---- | 992 | 240.65 |
| JUL18 | 227.90 | 228.85 | 227.60 | ---- | 227.60 + 22 | ---- | 27 | 1427 + 16 | 6 | 913 | 265.65 |
| AUG18 | 228.27 | 230.50 | 228.28 | ---- | 229.50 + 175 | ---- | 32 | 1191 + 8 | 29 | 992 | 268.50 |
| SEP18 | 230.67 | 232.25 | 230.68 | ---- | 231.50 + 102 | ---- | 71 | 985 + 12 | 4 | 1172 | 267.65 |
| OCT18 | 233.80 | 235.00 | 233.45 | ---- | 234.48 + 102 | ---- | 69 | 921 + 27 | 1 | 900 | 264.60 |
| NOV18 | 234.82 | 235.70B | 234.83 | ---- | 235.50 + 67 | ---- | 18 | 741 UNCH | ---- | 525 | 264.80 |
| DEC18 | 234.02 | 234.28B | 234.03 | ---- | 234.28 + 87 | ---- | 5 | 682 UNCH | ---- | 469 | 250.00 |
| JAN19 | ---- | ---- | ---- | ---- | 230.88 UNCH | ---- | ---- | 90 UNCH | ---- | 63 | 233.00 |
| FEB19 | ---- | ---- | ---- | ---- | 231.20 UNCH | ---- | ---- | 109 UNCH | ---- | 45 | 231.50 |
| MAR19 | ---- | ---- | 232.98A | ---- | 235.50 UNCH | ---- | ---- | 85 UNCH | ---- | 29 | 231.53 |
| APR19 | ---- | ---- | 236.45A | ---- | 236.65 UNCH | ---- | ---- | 5 UNCH | ---- | 26 | 229.95 |
| MAY19 | ---- | ---- | ---- | ---- | 235.10 UNCH | ---- | ---- | 4 UNCH | ---- | 25 | 229.53 |
| JUN19 | ---- | ---- | ---- | ---- | 235.00 UNCH | ---- | ---- | 4 UNCH | ---- | 25 | 227.23 |
| | | | | | | 0 | 230 | 7634 + 63 | 40 | 6176 | |

### MIDI MILK, NFD MILK CS, NFD MILK DELV, SKIMMED MILK, BUTTER AND CASH BUTTER CALLS

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MILK MIDI CALL | | | | | | | | | | | | | | |
| JUN18 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | .230+ | 1 | .940 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1525 | ---- | ---- | ---- | ---- | .010 | UNCH | .322 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 19 | | | |
| JUL18 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1575 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1750 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 22 | | | |
| AUG18 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1575 | ---- | ---- | ---- | ---- | .240+ | 7 | .342 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | .170+ | 5 | .264 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | .120+ | 4 | .200 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | .080+ | 2 | .144 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | .050+ | 1 | .098 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | .030 | UNCH | .064 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | .020 | UNCH | .044 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1750 | ---- | ---- | ---- | ---- | .010 | UNCH | .024 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | .010 | UNCH | .023 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | CAB | ---- | .012 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 22 | | | |
| SEP18 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1575 | ---- | ---- | ---- | ---- | .620+ | 12 | .557 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | .500+ | 10 | .485 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | .390+ | 8 | .413 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | .290+ | 5 | .340 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | .220+ | 3 | .277 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | .170+ | 3 | .225 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | .130+ | 2 | .180 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1750 | ---- | ---- | ---- | ---- | .100+ | 1 | .143 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | .080+ | 1 | .117 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | .060+ | 1 | .091 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 22 | | | |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT18 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1575 | ---- | ---- | ---- | ---- | | .740+ | 10 | .593 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | | .610+ | 9 | .526 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | | .500+ | 7 | .460 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | | .400+ | 6 | .395 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | | .320+ | 5 | .336 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | | .250+ | 4 | .280 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .190+ | 2 | .228 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1750 | ---- | ---- | ---- | ---- | | .150+ | 2 | .187 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | | .110+ | 1 | .147 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | | .080+ | 1 | .113 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 22 | | | |
| NOV18 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1575 | ---- | ---- | ---- | ---- | | .740+ | 8 | .572 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | | .620+ | 7 | .509 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | | .520+ | 6 | .449 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | | .420+ | 5 | .389 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | | .340+ | 4 | .334 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | | .270+ | 3 | .282 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .210+ | 2 | .234 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1750 | ---- | ---- | ---- | ---- | | .160+ | 1 | .190 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | | .130+ | 1 | .158 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | | .100+ | 1 | .127 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 21 | | | |
| DEC18 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1575 | ---- | ---- | ---- | ---- | | .740+ | 6 | .551 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | ---- | | .620+ | 5 | .493 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | | .520+ | 4 | .436 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1650 | ---- | ---- | ---- | ---- | | .430+ | 3 | .381 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | | .350+ | 3 | .329 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | ---- | | .280+ | 2 | .279 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .230+ | 2 | .238 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1750 | ---- | ---- | ---- | ---- | | .180+ | 1 | .197 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | | .140 | UNCH | .162 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | | .110 | UNCH | .132 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 21 | | | |
| JAN19 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | ---- | | .280+ | 1 | .272 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .220 | UNCH | .228 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 3 | | | |
| FEB19 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | ---- | | .310 | UNCH | .284 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .260+ | 1 | .246 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 3 | | | |
| MAR19 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | ---- | | .340- | 2 | .291 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .280- | 2 | .251 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 3 | | | |
| APR19 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | ---- | | .380+ | 1 | .312 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .320+ | 1 | .273 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 3 | | | |
| MAY19 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | ---- | | .440- | 1 | .333 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .370- | 2 | .294 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 2 | | | |
| JUN19 | MILK MIDI CALL | | | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | ---- | | .500- | 2 | .356 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1725 | ---- | ---- | ---- | ---- | | .430- | 2 | .318 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 2 | | | |
| CHEESE CSC CALL | | | | | | | | | | | | | | |
| JUN18 | CHEESE CSC CALL | | | | | | | | | | | | | |
| 1525 | ---- | ---- | ---- | ---- | | .094+ | 0 | 1.000 | ---- | ---- | 4 | UNCH | .10B | .07A |
| 1550 | ---- | ---- | ---- | ---- | | .069+ | 0 | 1.000 | ---- | ---- | 205 | UNCH | .07B | .05A |
| 1575 | ---- | ---- | ---- | ---- | | .044+ | 0 | .999 | ---- | ---- | 255 | UNCH | .07B | .04A |
| 1600 | ---- | ---- | ---- | ---- | | .019+ | 0 | .931 | ---- | ---- | 166 | UNCH | .12 | .03A |
| 1625 | ---- | ---- | ---- | ---- | | .001 | UNCH | .208 | ---- | ---- | 65 | UNCH | .05B | .00A |
| 1650 | ---- | ---- | ---- | ---- | CAB | | ---- | .049 | ---- | ---- | 196 | UNCH | .09B | .00 |
| 1675 | ---- | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 105 | UNCH | .05B | .00 |
| 1700 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 166 | UNCH | .05 | .00A |
| 1725 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 176 | UNCH | .05 | .00 |
| 1750 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 269 | UNCH | .01B | .00 |
| 1775 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 475 | UNCH | .01 | .00 |
| 1800 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 437 | UNCH | .01 | .00 |
| 1825 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 12 | UNCH | .00B | .00 |
| 1850 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | .02 | .01A |
| 1875 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 9 | UNCH | .01 | .00 |
| 1900 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 36 | UNCH | .02 | .00 |
| 1925 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 5 | UNCH | .00B | .00 |
| 2000 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 15 | UNCH | .00B | ---- |
| TOTAL | | | | | | | | | | 0 | 2597 | | | |
| JUL18 | CHEESE CSC CALL | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | | .029+ | 0 | .622 | ---- | 14 | 20 + | 10 | .02 | .01A |
| 1525 | ---- | ---- | ---- | ---- | | .016+ | NEW | .428 | ---- | 5 | 5 + | 5 | .01B | .01A |
| 1550 | ---- | ---- | ---- | ---- | | .008+ | 0 | .255 | ---- | ---- | 54 | UNCH | .02 | .00A |
| 1575 | ---- | ---- | ---- | ---- | | .003 | UNCH | .119 | ---- | ---- | 10 | UNCH | .08B | .00A |
| 1625 | ---- | ---- | ---- | ---- | CAB | | ---- | .023 | ---- | ---- | 124 | UNCH | .09B | .00A |
| 1650 | ---- | ---- | ---- | ---- | CAB | | ---- | .007 | ---- | ---- | 112 | UNCH | .08B | .00A |
| 1675 | ---- | ---- | ---- | ---- | CAB | | ---- | .002 | ---- | ---- | 20 | UNCH | .06B | .00A |
| 1700 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 108 | UNCH | .10B | .00A |
| 1725 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 107 | UNCH | .09B | .00 |
| 1750 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 630 | UNCH | .08B | .00 |
| 1775 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 494 | UNCH | .07B | .00 |
| 1800 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 647 | UNCH | .06B | .00 |
| 1825 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 192 | UNCH | .03B | .00 |
| 1850 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 397 | UNCH | .03B | .00 |
| 1900 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 22 | UNCH | .00 | .00 |
| 1925 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 5 | UNCH | .01B | .01 |
| 2000 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 15 | UNCH | .00B | ---- |
| TOTAL | | | | | | | | | | 19 | 2962 + | 15 | | |
| AUG18 | CHEESE CSC CALL | | | | | | | | | | | | | |
| 1625 | ---- | ---- | ---- | ---- | | .039+ | 0 | .464 | ---- | ---- | 15 | UNCH | .11B | .02A |
| 1650 | ---- | ---- | ---- | ---- | | .029+ | 0 | .379 | ---- | ---- | 15 | UNCH | .10B | .02A |
| 1675 | ---- | ---- | ---- | ---- | | .021+ | 0 | .300 | ---- | ---- | 42 | UNCH | .08 | .01A |
| 1700 | ---- | ---- | ---- | ---- | | .015+ | 0 | .231 | ---- | 40 | 87 + | 33 | .07B | .01 |
| 1725 | ---- | ---- | ---- | ---- | | .011+ | 0 | .178 | ---- | ---- | 46 | UNCH | .07B | .00A |
| 1750 | ---- | ---- | ---- | ---- | | .008 | UNCH | .135 | ---- | ---- | 595 | UNCH | .05B | .00 |
| 1775 | ---- | ---- | ---- | ---- | | .006 | UNCH | .104 | ---- | ---- | 543 | UNCH | .03B | .00 |
| 1800 | ---- | ---- | ---- | ---- | | .005+ | 0 | .085 | ---- | 27 | 610 | UNCH | .02 | .00 |
| 1825 | ---- | ---- | ---- | ---- | | .003 | UNCH | .056 | ---- | 19 | 348 | UNCH | .02 | .00 |
| 1850 | ---- | ---- | ---- | ---- | | .002 | UNCH | .039 | ---- | ---- | 411 | UNCH | .01B | .00 |
| 1875 | ---- | ---- | ---- | ---- | | .001 | UNCH | .021 | ---- | ---- | 5 | UNCH | .01B | .00A |
| 1900 | ---- | ---- | ---- | ---- | | .001 | UNCH | .020 | ---- | ---- | 87 | UNCH | .01 | .00 |
| 1975 | ---- | ---- | ---- | ---- | CAB | | ---- | .004 | ---- | ---- | 5 | UNCH | .01B | .00 |
| 2000 | ---- | ---- | ---- | ---- | CAB | | ---- | .002 | ---- | ---- | 15 | UNCH | .01B | ---- |
| 2025 | ---- | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 5 | UNCH | .00B | .00 |
| TOTAL | | | | | | | | | | 86 | 2829 + | 33 | | |
| SEP18 | CHEESE CSC CALL | | | | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | | .057+ | 0 | .516 | ---- | ---- | 5 | UNCH | .08B | .04A |
| 1700 | ---- | ---- | ---- | ---- | | .046+ | 0 | .447 | ---- | ---- | 23 | UNCH | .12B | .03A |
| 1725 | ---- | ---- | ---- | ---- | | .036+ | 0 | .379 | ---- | ---- | 74 | UNCH | .10B | .03A |
| 1750 | ---- | ---- | ---- | ---- | | .028+ | 0 | .316 | ---- | ---- | 496 | UNCH | .09B | .02A |
| 1775 | ---- | ---- | ---- | ---- | | .022+ | 0 | .262 | ---- | 2 | 579 | UNCH | .08B | .02 |
| 1800 | ---- | ---- | ---- | ---- | | .016 | UNCH | .207 | ---- | ---- | 629 | UNCH | .04 | .01 |
| 1825 | ---- | ---- | ---- | ---- | | .012- | 0 | .164 | ---- | ---- | 242 | UNCH | .03B | .01 |
| 1850 | ---- | ---- | ---- | ---- | | .009- | 0 | .129 | ---- | ---- | 500 | UNCH | .02B | .00 |
| 1875 | ---- | ---- | ---- | ---- | | .007- | 0 | .103 | ---- | ---- | 147 | UNCH | .02B | .00 |
| 1900 | ---- | ---- | ---- | ---- | | .005- | 0 | .077 | ---- | ---- | 71 | UNCH | .01 | .00 |
| 2000 | ---- | ---- | ---- | ---- | | .001- | 0 | .019 | ---- | ---- | 15 | UNCH | .00B | ---- |
| 2025 | ---- | ---- | ---- | ---- | | .001 | UNCH | .018 | ---- | ---- | 46 | UNCH | .00B | .00 |
| 2200 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 5 | UNCH | .00B | .00 |
| TOTAL | | | | | | | | | | 2 | 2832 | | | |
| OCT18 | CHEESE CSC CALL | | | | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | | .071+ | 0 | .567 | ---- | ---- | 5 | UNCH | .10B | .06A |
| 1700 | ---- | ---- | ---- | ---- | | .059+ | 0 | .502 | ---- | ---- | 45 | UNCH | .09B | .05A |
| 1725 | ---- | ---- | ---- | ---- | | .048+ | 0 | .438 | ---- | ---- | 22 | UNCH | .08B | .04A |
| 1750 | ---- | ---- | ---- | ---- | | .038+ | 0 | .375 | ---- | ---- | 267 | UNCH | .07B | .03A |
| 1775 | ---- | ---- | ---- | ---- | | .030+ | 0 | .317 | ---- | 7 | 351 + | 7 | .06B | .02 |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1800 | ---- | ---- | ---- | ---- | .024+ | 0 | .266 | ---- | 28 | 608 + | 28 | .05B | .02A |
| 1825 | ---- | ---- | ---- | ---- | .019 | UNCH | .220 | ---- | ---- | 316 | UNCH | .04B | .01A |
| 1850 | ---- | ---- | ---- | ---- | .015 | UNCH | .181 | ---- | ---- | 186 | UNCH | .04B | .01 |
| 1875 | ---- | ---- | ---- | ---- | .012 | UNCH | .150 | ---- | ---- | 26 | UNCH | .02B | .01 |
| 1900 | ---- | ---- | ---- | ---- | .010+ | 0 | .126 | ---- | 9 | 102 + | 5 | .01B | .01 |
| 1925 | ---- | ---- | ---- | ---- | .008+ | 0 | .103 | ---- | ---- | 7 | UNCH | .01 | .01A |
| 2000 | ---- | ---- | ---- | ---- | .004 | UNCH | .055 | ---- | ---- | 5 | UNCH | .00B | .02A |
| 2025 | ---- | ---- | ---- | ---- | .003 | UNCH | .043 | ---- | ---- | 10 | UNCH | .00B | .00 |
| 2050 | ---- | ---- | ---- | ---- | .003 | UNCH | .041 | ---- | ---- | 40 | UNCH | .00B | .00 |
| TOTAL | | | | | | | | | 44 | 1990 + | 40 | | |
| NOV18 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1650 | ---- | ---- | ---- | ---- | .088+ | 0 | .614 | ---- | ---- | 90 | UNCH | .11B | .08A |
| 1675 | ---- | ---- | ---- | ---- | .074+ | 0 | .555 | ---- | ---- | 5 | UNCH | .10B | .07A |
| 1700 | ---- | ---- | ---- | ---- | .062+ | 0 | .495 | ---- | ---- | 39 | UNCH | .09 | .06A |
| 1725 | ---- | ---- | ---- | ---- | .051 | UNCH | .436 | ---- | ---- | 115 | UNCH | .09B | .05A |
| 1750 | ---- | ---- | ---- | ---- | .042 | UNCH | .380 | ---- | ---- | 223 | UNCH | .06B | .04A |
| 1775 | ---- | ---- | ---- | ---- | .034 | UNCH | .326 | ---- | 7 | 402 + | 7 | .06 | .03A |
| 1800 | ---- | ---- | ---- | ---- | .028 | UNCH | .280 | ---- | ---- | 645 | UNCH | .04B | .02A |
| 1825 | ---- | ---- | ---- | ---- | .022 | UNCH | .234 | ---- | ---- | 401 | UNCH | .05 | .02A |
| 1850 | ---- | ---- | ---- | ---- | .017 | UNCH | .192 | ---- | ---- | 135 | UNCH | .04 | .01 |
| 1900 | ---- | ---- | ---- | ---- | .010- | 0 | .125 | ---- | 9 | 104 + | 5 | .01B | .03A |
| 1925 | ---- | ---- | ---- | ---- | .008 | UNCH | .103 | ---- | ---- | 7 | UNCH | .01 | .01 |
| 2000 | ---- | ---- | ---- | ---- | .003- | 0 | .045 | ---- | ---- | 5 | UNCH | .00B | .02A |
| TOTAL | | | | | | | | | 16 | 2171 + | 12 | | |
| DEC18 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | .074+ | 0 | .534 | ---- | ---- | 5 | UNCH | .11B | .07A |
| 1700 | ---- | ---- | ---- | ---- | .062+ | 0 | .478 | ---- | ---- | 34 | UNCH | .09B | .06A |
| 1725 | ---- | ---- | ---- | ---- | .052 | UNCH | .423 | ---- | ---- | 109 | UNCH | .08B | .05A |
| 1750 | ---- | ---- | ---- | ---- | .043 | UNCH | .371 | ---- | ---- | 218 | UNCH | .07 | .04 |
| 1775 | ---- | ---- | ---- | ---- | .035- | 0 | .320 | ---- | 7 | 428 + | 7 | .06B | .03A |
| 1800 | ---- | ---- | ---- | ---- | .029- | 0 | .276 | ---- | 6 | 580 + | 6 | .05B | .02A |
| 1825 | ---- | ---- | ---- | ---- | .023- | 0 | .233 | ---- | ---- | 292 | UNCH | ---- | .02A |
| 1850 | ---- | ---- | ---- | ---- | .019 | UNCH | .198 | ---- | ---- | 114 | UNCH | .02 | .01 |
| 1900 | ---- | ---- | ---- | ---- | .012 | UNCH | .136 | ---- | 9 | 105 + | 5 | .02 | .01A |
| 1925 | ---- | ---- | ---- | ---- | .009- | 0 | .108 | ---- | ---- | 12 | UNCH | .01 | .01 |
| 2000 | ---- | ---- | ---- | ---- | .004- | 0 | .054 | ---- | ---- | 5 | UNCH | .00B | .02A |
| TOTAL | | | | | | | | | 22 | 1902 + | 18 | | |
| JAN19 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1650 | ---- | ---- | ---- | ---- | .083- | 0 | .569 | ---- | ---- | 5 | UNCH | .08 | .08A |
| 1725 | ---- | ---- | ---- | ---- | .050- | 0 | .407 | ---- | ---- | 3 | UNCH | .05B | .05A |
| 1750 | ---- | ---- | ---- | ---- | .042- | 0 | .358 | ---- | ---- | 39 | UNCH | .04B | .04A |
| 1775 | ---- | ---- | ---- | ---- | .035- | 0 | .312 | ---- | 7 | 159 + | 7 | .04B | .03A |
| 1800 | ---- | ---- | ---- | ---- | .028- | 0 | .266 | ---- | 10 | 143 + | 10 | .03B | .03A |
| TOTAL | | | | | | | | | 17 | 349 + | 17 | | |
| FEB19 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1725 | ---- | ---- | ---- | ---- | .056 | UNCH | .422 | ---- | ---- | 3 | UNCH | .06B | .05A |
| 1750 | ---- | ---- | ---- | ---- | .047- | 0 | .373 | ---- | ---- | 39 | UNCH | .05B | .04A |
| 1775 | ---- | ---- | ---- | ---- | .040 | UNCH | .330 | ---- | 7 | 66 + | 7 | ---- | .03A |
| 1800 | ---- | ---- | ---- | ---- | .033- | 0 | .287 | ---- | 10 | 136 + | 10 | .03B | .03A |
| TOTAL | | | | | | | | | 17 | 244 + | 17 | | |
| MAR19 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1725 | ---- | ---- | ---- | ---- | .062- | 0 | .436 | ---- | ---- | 3 | UNCH | .06B | .05A |
| 1750 | ---- | ---- | ---- | ---- | .053- | 0 | .390 | ---- | ---- | 39 | UNCH | .05B | .04A |
| 1775 | ---- | ---- | ---- | ---- | .046- | 0 | .349 | ---- | 7 | 66 + | 7 | .04B | .04A |
| 1800 | ---- | ---- | ---- | ---- | .039- | 0 | .309 | ---- | 10 | 136 + | 10 | .03B | .03A |
| TOTAL | | | | | | | | | 17 | 244 + | 17 | | |
| APR19 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | .087- | 0 | .538 | ---- | ---- | 2 | UNCH | .08B | .07 |
| 1725 | ---- | ---- | ---- | ---- | .065- | 0 | .444 | ---- | ---- | 3 | UNCH | .06B | .06A |
| 1750 | ---- | ---- | ---- | ---- | .056- | 0 | .399 | ---- | ---- | 34 | UNCH | ---- | .05A |
| 1775 | ---- | ---- | ---- | ---- | .048- | 0 | .357 | ---- | ---- | 52 | UNCH | ---- | .04A |
| 1800 | ---- | ---- | ---- | ---- | .040- | 0 | .314 | ---- | ---- | 87 | UNCH | ---- | .04A |
| 1825 | ---- | ---- | ---- | ---- | .034- | 0 | .277 | ---- | ---- | 14 | UNCH | ---- | .03A |
| TOTAL | | | | | | | | | 0 | 192 | | | |
| MAY19 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1725 | ---- | ---- | ---- | ---- | .075 | UNCH | .469 | ---- | ---- | 3 | UNCH | ---- | .07A |
| 1750 | ---- | ---- | ---- | ---- | .065 | UNCH | .426 | ---- | ---- | 34 | UNCH | ---- | .06A |
| 1775 | ---- | ---- | ---- | ---- | .056- | 0 | .384 | ---- | ---- | 52 | UNCH | ---- | .05A |
| 1800 | ---- | ---- | ---- | ---- | .048- | 0 | .344 | ---- | ---- | 87 | UNCH | ---- | .04A |
| 1825 | ---- | ---- | ---- | ---- | .041- | 0 | .306 | ---- | ---- | 14 | UNCH | ---- | .04A |
| TOTAL | | | | | | | | | 0 | 190 | | | |
| JUN19 | CHEESE CSC CALL | | | | | | | | | | | | |
| 1725 | ---- | ---- | ---- | ---- | .082- | 0 | .487 | ---- | ---- | 3 | UNCH | .07B | .08A |
| 1750 | ---- | ---- | ---- | ---- | .072- | 0 | .446 | ---- | ---- | 34 | UNCH | ---- | .06A |
| 1775 | ---- | ---- | ---- | ---- | .063- | 0 | .405 | ---- | ---- | 52 | UNCH | ---- | .06A |
| 1800 | ---- | ---- | ---- | ---- | .055- | 0 | .367 | ---- | ---- | 79 | UNCH | ---- | .05A |
| 1825 | ---- | ---- | ---- | ---- | .047- | 0 | .329 | ---- | ---- | 22 | UNCH | ---- | .04A |
| TOTAL | | | | | | | | | 0 | 190 | | | |

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## FINAL



MIDI MILK, NFD MILK CS, NFD MILK DELV, SKIMMED MILK, BUTTER, AND CASH BUTTER CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CSH NFDM CALL | | | | | | | | | | | | | |
| JUN18 | CSH NFDM CALL | | | | | | | | | | | | |
| 700 | ---- | ---- | ---- | ---- | 11.750+ | 22 | 1.000 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 740 | ---- | ---- | ---- | ---- | 7.750+ | 22 | 1.000 | ---- | ---- | 60 | UNCH | 13.50 | 4.20 |
| 760 | ---- | ---- | ---- | ---- | 5.750+ | 22 | 1.000 | ---- | ---- | 70 | UNCH | 4.82B | 3.10 |
| 780 | ---- | ---- | ---- | ---- | 3.750+ | 22 | 1.000 | ---- | ---- | 161 | UNCH | 7.00 | 1.70 |
| 800 | ---- | ---- | ---- | ---- | 1.750+ | 22 | .999 | ---- | ---- | 198 | UNCH | 5.07B | 1.00 |
| 820 | ---- | ---- | ---- | ---- | .050+ | 2 | .227 | ---- | ---- | 348 | UNCH | 4.77B | .75 |
| 830 | ---- | ---- | ---- | ---- | CAB | ---- | .034 | ---- | ---- | 8 | UNCH | 2.95B | 2.90 |
| 840 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 200 | UNCH | 4.47B | .97 |
| 860 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 223 | UNCH | 3.35B | .25 |
| 870 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | 1.12B | .65 |
| 880 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 255 | UNCH | 2.50 | .35 |
| 900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 55 | UNCH | 2.75 | .52 |
| 920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 195 | UNCH | 3.60B | .20 |
| 940 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 21 | UNCH | 1.30B | .47 |
| 980 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 33 | UNCH | 3.50 | .15 |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | .10B | ---- |
| 1020 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 35 | UNCH | .07B | ---- |
| 1040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .02B | ---- |
| 1080 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 2.00 | 2.00 |
| 1140 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1908 | | | |
| JUL18 | CSH NFDM CALL | | | | | | | | | | | | |
| 760 | ---- | ---- | ---- | ---- | 3.325+ | 22 | .930 | ---- | ---- | 320 | UNCH | 5.25 | 5.10 |
| 780 | ---- | ---- | ---- | ---- | 1.675+ | 15 | .714 | ---- | ---- | 19 | UNCH | 10.50 | 1.00 |
| 800 | ---- | ---- | ---- | ---- | .600+ | 7 | .377 | ---- | ---- | 200 | UNCH | 10.00 | 1.50 |
| 820 | ---- | ---- | ---- | ---- | .150+ | 2 | .125 | ---- | ---- | 469 | UNCH | 8.00 | 1.35 |
| 840 | ---- | ---- | ---- | ---- | .025 | UNCH | .025 | ---- | ---- | 144 | UNCH | 6.90 | 3.15 |
| 860 | ---- | ---- | ---- | ---- | CAB | ---- | .004 | ---- | ---- | 166 | UNCH | 5.67B | .97 |
| 880 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 126 | UNCH | 5.00B | .40 |
| 900 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 188 | UNCH | 4.25 | .35 |
| 920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 102 | UNCH | 2.52B | 1.30 |
| 940 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 78 | UNCH | 1.75B | 1.07 |
| 960 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | 1.32B | .85 |
| 980 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 75 | UNCH | .92B | .67 |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | UNCH | .62B | .55 |
| 1020 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .60 | .60 |
| 1040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 17 | UNCH | .30B | ---- |
| 1140 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .02B | ---- |
| TOTAL | | | | | | | | | 0 | 1968 | | | |
| AUG18 | CSH NFDM CALL | | | | | | | | | | | | |
| 760 | ---- | ---- | ---- | ---- | 4.650+ | 67 | .755 | ---- | ---- | 13 | UNCH | 3.95B | ---- |
| 800 | ---- | ---- | ---- | ---- | 2.250+ | 40 | .497 | ---- | ---- | 108 | UNCH | 7.90 | 2.11 |
| 820 | ---- | ---- | ---- | ---- | 1.450+ | 25 | .367 | ---- | ---- | 25 | UNCH | 3.92B | 1.50 |
| 840 | ---- | ---- | ---- | ---- | .875+ | 12 | .252 | ---- | ---- | 83 | UNCH | 6.30B | 1.11 |
| 860 | ---- | ---- | ---- | ---- | .500+ | 5 | .162 | ---- | ---- | 109 | UNCH | 6.97B | 1.03 |
| 880 | ---- | ---- | ---- | ---- | .275 | UNCH | .098 | ---- | ---- | 105 | UNCH | 5.97B | .87 |
| 900 | ---- | ---- | ---- | ---- | .150 | UNCH | .057 | ---- | ---- | 150 | UNCH | 5.57 | .62 |
| 920 | ---- | ---- | ---- | ---- | .075- | 2 | .031 | ---- | ---- | 79 | UNCH | 4.50 | .42 |
| 940 | ---- | ---- | ---- | ---- | .025- | 2 | .012 | ---- | ---- | 362 | UNCH | 3.00B | .32 |
| 960 | ---- | ---- | ---- | ---- | .025 | UNCH | .011 | ---- | ---- | 100 | UNCH | 2.22B | .32 |
| 980 | ---- | ---- | ---- | ---- | CAB | ---- | .005 | ---- | ---- | 30 | UNCH | 1.70B | 1.50 |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 67 | UNCH | 1.27B | .52 |
| 1020 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 60 | UNCH | .95B | ---- |
| 1040 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 17 | UNCH | .65B | ---- |
| 1060 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 21 | UNCH | .52B | .20 |
| 1140 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .15B | ---- |
| TOTAL | | | | | | | | | 0 | 1330 | | | |
| SEP18 | CSH NFDM CALL | | | | | | | | | | | | |
| 760 | ---- | ---- | ---- | ---- | 6.325+ | 67 | .766 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 800 | ---- | ---- | ---- | ---- | 3.775+ | 50 | .579 | ---- | ---- | 108 | UNCH | 9.80 | 3.70 |
| 820 | ---- | ---- | ---- | ---- | 2.800+ | 40 | .479 | ---- | ---- | 20 | UNCH | 4.70B | 2.80 |
| 840 | ---- | ---- | ---- | ---- | 2.025+ | 32 | .382 | ---- | ---- | 15 | UNCH | 3.52B | 2.07 |
| 860 | ---- | ---- | ---- | ---- | 1.425+ | 25 | .295 | ---- | ---- | 57 | UNCH | 9.00 | 1.62 |
| 880 | ---- | ---- | ---- | ---- | .975+ | 20 | .220 | ---- | ---- | 120 | UNCH | 4.57B | 1.23 |
| 900 | ---- | ---- | ---- | ---- | .650+ | 15 | .159 | ---- | ---- | 67 | UNCH | 4.25B | .47 |
| 920 | ---- | ---- | ---- | ---- | .400+ | 7 | .107 | ---- | ---- | 57 | UNCH | 3.75B | .95 |
| 940 | ---- | ---- | ---- | ---- | .250+ | 5 | .072 | ---- | ---- | 157 | UNCH | 3.75B | .65 |
| 980 | ---- | ---- | ---- | ---- | .100+ | 2 | .032 | ---- | ---- | 171 | UNCH | .60B | ---- |
| 1000 | ---- | ---- | ---- | ---- | .050 | UNCH | .017 | ---- | ---- | 26 | UNCH | .40B | ---- |
| 1040 | ---- | ---- | ---- | ---- | .025+ | 2 | .008 | ---- | ---- | 17 | UNCH | .20B | ---- |
| 1080 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 1 | UNCH | 1.50 | 1.50 |
| 1140 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 824 | | | |
| OCT18 | CSH NFDM CALL | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | ---- | 4.975+ | 20 | .630 | ---- | ---- | 7 | UNCH | ---- | 5.03 |
| 820 | ---- | ---- | ---- | ---- | 3.900+ | 17 | .543 | ---- | ---- | 20 | UNCH | 4.85B | 3.75 |
| 860 | ---- | ---- | ---- | ---- | 2.250+ | 12 | .374 | ---- | ---- | 46 | UNCH | 2.90B | 2.35 |
| 880 | ---- | ---- | ---- | ---- | 1.650+ | 10 | .299 | ---- | ---- | 21 | UNCH | ---- | 1.75 |
| 900 | ---- | ---- | ---- | ---- | 1.200+ | 7 | .233 | ---- | ---- | 23 | UNCH | 2.75B | 1.35 |
| 920 | ---- | ---- | ---- | ---- | .850+ | 5 | .177 | ---- | ---- | 32 | UNCH | 3.70 | 3.70 |
| 940 | ---- | ---- | ---- | ---- | .575+ | 2 | .130 | ---- | ---- | 30 | UNCH | 3.80B | 2.20 |
| 960 | ---- | ---- | ---- | ---- | .400+ | 2 | .095 | ---- | ---- | 18 | UNCH | .62B | ---- |
| 980 | ---- | ---- | ---- | ---- | .275+ | 2 | .069 | ---- | ---- | 98 | UNCH | 3.25 | 3.25 |
| 1000 | ---- | ---- | ---- | ---- | .175+ | 2 | .047 | ---- | ---- | 25 | UNCH | 1.25 | 1.25 |
| 1020 | ---- | ---- | ---- | ---- | .100 | UNCH | .029 | ---- | ---- | 25 | UNCH | .22B | ---- |
| 1040 | ---- | ---- | ---- | ---- | .075 | UNCH | .022 | ---- | ---- | 17 | UNCH | .17B | ---- |
| 1100 | ---- | ---- | ---- | ---- | .025 | UNCH | .007 | ---- | ---- | 75 | UNCH | .05B | ---- |
| 1140 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 438 | | | |
| NOV18 | CSH NFDM CALL | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | ---- | 6.425+ | 50 | .676 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 860 | ---- | ---- | ---- | ---- | 3.350+ | 32 | .451 | ---- | ---- | 46 | UNCH | ---- | ---- |
| 880 | ---- | ---- | ---- | ---- | 2.625+ | 27 | .380 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 2.025+ | 22 | .315 | ---- | ---- | 53 | UNCH | 2.25B | ---- |
| 920 | ---- | ---- | ---- | ---- | 1.525+ | 17 | .254 | ---- | ---- | 29 | UNCH | 2.00B | ---- |
| 940 | ---- | ---- | ---- | ---- | 1.150+ | 15 | .204 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 960 | ---- | ---- | ---- | ---- | .850+ | 10 | .160 | ---- | ---- | 18 | UNCH | ---- | ---- |
| 980 | ---- | ---- | ---- | ---- | .625+ | 10 | .124 | ---- | ---- | 113 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | .450+ | 7 | .094 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 1040 | ---- | ---- | ---- | ---- | .225+ | 2 | .052 | ---- | ---- | 42 | UNCH | ---- | ---- |
| 1100 | ---- | ---- | ---- | ---- | .075+ | 2 | .019 | ---- | ---- | 75 | UNCH | ---- | ---- |
| 1140 | ---- | ---- | ---- | ---- | .025 | UNCH | .007 | ---- | ---- | 2 | UNCH | 2.00 | 2.00 |
| TOTAL | | | | | | | | | 0 | 412 | | | |
| DEC18 | CSH NFDM CALL | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | ---- | 7.250- | 5 | .690 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 840 | ---- | ---- | ---- | ---- | 4.975- | 5 | .554 | ---- | ---- | 75 | UNCH | 6.35 | 6.00 |
| 860 | ---- | ---- | ---- | ---- | 4.050- | 5 | .485 | ---- | ---- | 46 | UNCH | 5.00B | ---- |
| 880 | ---- | ---- | ---- | ---- | 3.275- | 2 | .419 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 2.600- | 2 | .356 | ---- | ---- | 23 | UNCH | 2.55B | ---- |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 920 | ---- | ---- | ---- | ---- | 2.050- | 2 | .298 | ---- | ---- | 79 | UNCH | ---- | ---- |
| 940 | ---- | ---- | ---- | ---- | 1.575- | 5 | .244 | ---- | ---- | 6 | UNCH | 2.00B | ---- |
| 960 | ---- | ---- | ---- | ---- | 1.225- | 2 | .200 | ---- | ---- | 18 | UNCH | ---- | ---- |
| 980 | ---- | ---- | ---- | ---- | .925- | 2 | .160 | ---- | ---- | 113 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | .700- | 2 | .127 | ---- | ---- | 50 | UNCH | .90 | .90 |
| 1040 | ---- | ---- | ---- | ---- | .375- | 2 | .075 | ---- | ---- | 42 | UNCH | ---- | ---- |
| 1100 | ---- | ---- | ---- | ---- | .150 | UNCH | .033 | ---- | ---- | 75 | UNCH | ---- | ---- |
| 1140 | ---- | ---- | ---- | ---- | .075 | UNCH | .018 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 541 | | | |
| JAN19 | CSH NFDM CALL | | | | | | | | | | | | |
| 860 | ---- | ---- | ---- | ---- | 4.850 | UNCH | .520 | ---- | ---- | 50 | UNCH | 6.15 | 6.1 |
| 920 | ---- | ---- | ---- | ---- | 2.625 | UNCH | .340 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 960 | ---- | ---- | ---- | ---- | 1.675 | UNCH | .241 | ---- | ---- | 20 | UNCH | 5.00 | 5.0 |
| 1000 | ---- | ---- | ---- | ---- | 1.025 | UNCH | .163 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 97 | | | |
| FEB19 | CSH NFDM CALL | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | ---- | 4.900 | UNCH | .501 | ---- | ---- | 25 | UNCH | 6.25 | 6.2 |
| 920 | ---- | ---- | ---- | ---- | 3.375 | UNCH | .387 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 960 | ---- | ---- | ---- | ---- | 2.250 | UNCH | .287 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | 1.450 | UNCH | .205 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 62 | | | |
| MAR19 | CSH NFDM CALL | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | ---- | 5.950- | 2 | .543 | ---- | ---- | 50 | UNCH | 7.25 | 7.2 |
| 920 | ---- | ---- | ---- | ---- | 4.275- | 2 | .435 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 960 | ---- | ---- | ---- | ---- | 3.000 | UNCH | .337 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | 2.050 | UNCH | .252 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 87 | | | |
| APR19 | CSH NFDM CALL | | | | | | | | | | | | |
| 960 | ---- | ---- | ---- | ---- | 3.625+ | 2 | .372 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1020 | ---- | ---- | ---- | ---- | 2.125 | UNCH | .249 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1140 | ---- | ---- | ---- | ---- | .650 | UNCH | .095 | ---- | ---- | 1 | UNCH | 2.00 | 2.0 |
| TOTAL | | | | | | | | | 0 | 7 | | | |
| MAY19 | CSH NFDM CALL | | | | | | | | | | | | |
| 960 | ---- | ---- | ---- | ---- | 4.675- | 2 | .425 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1020 | ---- | ---- | ---- | ---- | 2.925 | UNCH | .301 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 6 | | | |
| JUN19 | CSH NFDM CALL | | | | | | | | | | | | |
| 960 | ---- | ---- | ---- | ---- | 5.200 | UNCH | .444 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1020 | ---- | ---- | ---- | ---- | 3.350 | UNCH | .323 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1180 | ---- | ---- | ---- | ---- | .875 | UNCH | .111 | ---- | ---- | 1 | UNCH | 2.50 | 2.5 |
| TOTAL | | | | | | | | | 0 | 7 | | | |
| JUL19 | CSH NFDM CALL | | | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | ---- | 1.300 | UNCH | .145 | ---- | ---- | 1 | UNCH | 2.25 | 2.2 |
| TOTAL | | | | | | | | | 0 | 1 | | | |
| SEP19 | CSH NFDM CALL | | | | | | | | | | | | |
| 1260 | ---- | ---- | ---- | ---- | 1.300 | UNCH | .135 | ---- | ---- | 1 | UNCH | 5.00 | 5.0 |
| TOTAL | | | | | | | | | 0 | 1 | | | |

MIDI MILK, NFD MILK CS, NFD MILK DELV, SKIMMED MILK, BUTTER, AND CASH BUTTER PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CSH NFDM PUT | | | | | | | | | | | | | |
| JUN18 | CSH NFDM PUT | | | | | | | | | | | | |
| 620 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 640 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 61 | UNCH | .30B | ---- |
| 680 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 106 | UNCH | .30B | ---- |
| 700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 169 | UNCH | 2.25B | 1.00 |
| 720 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 454 | UNCH | 3.00 | .27A |
| 740 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 345 | UNCH | 4.00 | .42A |
| 760 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 139 | UNCH | 4.00 | .15 |
| 780 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 183 | UNCH | 4.05B | .07 |
| 800 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 90 | UNCH | 7.75 | .97A |
| 820 | ---- | ---- | ---- | ---- | .300- | 20 | .772 | ---- | ---- | 28 | UNCH | 4.40B | .40 |
| 830 | ---- | ---- | ---- | ---- | 1.250- | 22 | .965 | ---- | ---- | 10 | UNCH | 1.87B | 1.50 |
| 840 | ---- | ---- | ---- | ---- | 2.250- | 22 | .999 | ---- | ---- | 194 | UNCH | 8.22B | .57A |
| 860 | ---- | ---- | ---- | ---- | 4.250- | 22 | 1.000 | ---- | ---- | 83 | UNCH | 5.75 | 1.27A |
| 880 | ---- | ---- | ---- | ---- | 6.250- | 22 | 1.000 | ---- | ---- | 2 | UNCH | 4.45B | 3.40A |
| 890 | ---- | ---- | ---- | ---- | 7.250- | 22 | 1.000 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 8.250- | 22 | 1.000 | ---- | ---- | 15 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1897 | | | |
| JUL18 | CSH NFDM PUT | | | | | | | | | | | | |
| 640 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 65 | UNCH | ---- | ---- |
| 660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 65 | UNCH | ---- | ---- |
| 680 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 152 | UNCH | .02B | ---- |
| 700 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 530 | UNCH | 1.25 | .75 |
| 720 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 183 | UNCH | 3.00 | 3.00 |
| 740 | ---- | ---- | ---- | ---- | CAB | ---- | .013 | ---- | ---- | 212 | UNCH | 2.75B | ---- |
| 760 | ---- | ---- | ---- | ---- | .075- | 2 | .069 | ---- | ---- | 263 | UNCH | 2.97B | .45 |
| 780 | ---- | ---- | ---- | ---- | .425- | 10 | .285 | ---- | ---- | 173 | UNCH | 3.97B | .50A |
| 800 | ---- | ---- | ---- | ---- | 1.350- | 17 | .622 | ---- | ---- | 177 | UNCH | 2.90B | .40A |
| 820 | ---- | ---- | ---- | ---- | 2.900- | 22 | .874 | ---- | ---- | 33 | UNCH | 3.92B | .92A |
| 840 | ---- | ---- | ---- | ---- | 4.775- | 22 | .974 | ---- | ---- | 150 | UNCH | 5.12B | 1.27A |
| 860 | ---- | ---- | ---- | ---- | 6.750- | 25 | .995 | ---- | ---- | 188 | UNCH | 6.45B | 1.90 |
| 880 | ---- | ---- | ---- | ---- | 8.750- | 25 | .999 | ---- | ---- | 60 | UNCH | 10.55B | 2.77A |
| 920 | ---- | ---- | ---- | ---- | 12.750- | 25 | 1.000 | ---- | ---- | 1 | UNCH | 5.62B | 4.85A |
| TOTAL | | | | | | | | | 0 | 2252 | | | |
| AUG18 | CSH NFDM PUT | | | | | | | | | | | | |
| 640 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 26 | UNCH | ---- | ---- |
| 660 | ---- | ---- | ---- | ---- | CAB | ---- | .005 | ---- | ---- | 37 | UNCH | ---- | ---- |
| 700 | ---- | ---- | ---- | ---- | .100- | 5 | .038 | ---- | ---- | 125 | UNCH | .70 | .70 |
| 720 | ---- | ---- | ---- | ---- | .225- | 10 | .078 | ---- | ---- | 131 | UNCH | 1.20 | .42 |
| 740 | ---- | ---- | ---- | ---- | .475- | 17 | .147 | ---- | ---- | 39 | UNCH | .65B | ---- |
| 760 | ---- | ---- | ---- | ---- | .900- | 27 | .244 | ---- | ---- | 77 | UNCH | 1.12B | ---- |
| 780 | ---- | ---- | ---- | ---- | 1.575- | 40 | .368 | ---- | ---- | 145 | UNCH | 1.87B | .50 |
| 800 | ---- | ---- | ---- | ---- | 2.500- | 55 | .502 | ---- | ---- | 134 | UNCH | 2.92B | .55 |
| 820 | ---- | ---- | ---- | ---- | 3.700- | 67 | .632 | ---- | ---- | 418 | UNCH | 4.52B | .95A |
| 840 | ---- | ---- | ---- | ---- | 5.125- | 80 | .747 | ---- | ---- | 40 | UNCH | 3.67B | 1.35 |
| 860 | ---- | ---- | ---- | ---- | 6.750- | 87 | .837 | ---- | ---- | 85 | UNCH | 4.80B | 1.90A |
| 880 | ---- | ---- | ---- | ---- | 8.500- | 95 | .901 | ---- | ---- | 340 | UNCH | 5.75B | 2.57A |
| 900 | ---- | ---- | ---- | ---- | 10.375- | 95 | .942 | ---- | ---- | 50 | UNCH | 5.30B | 3.40A |
| TOTAL | | | | | | | | | 0 | 1647 | | | |
| SEP18 | CSH NFDM PUT | | | | | | | | | | | | |
| 660 | ---- | ---- | ---- | ---- | .050- | 2 | .016 | ---- | ---- | 25 | UNCH | .05B | ---- |
| 700 | ---- | ---- | ---- | ---- | .225- | 5 | .060 | ---- | ---- | 130 | UNCH | .70 | .70 |
| 720 | ---- | ---- | ---- | ---- | .400- | 12 | .100 | ---- | ---- | 5 | UNCH | .45B | ---- |
| 740 | ---- | ---- | ---- | ---- | .700- | 17 | .158 | ---- | ---- | 16 | UNCH | 1.20 | .80A |
| 760 | ---- | ---- | ---- | ---- | 1.150- | 25 | .233 | ---- | ---- | 159 | UNCH | 1.30 | .82A |
| 780 | ---- | ---- | ---- | ---- | 1.775- | 35 | .322 | ---- | ---- | 140 | UNCH | 1.95B | 1.02A |
| 800 | ---- | ---- | ---- | ---- | 2.600- | 42 | .420 | ---- | ---- | 165 | UNCH | 2.87B | 1.50A |
| 820 | ---- | ---- | ---- | ---- | 3.600- | 52 | .520 | ---- | ---- | 256 | UNCH | 4.75B | 1.15 |
| 840 | ---- | ---- | ---- | ---- | 4.800- | 62 | .617 | ---- | ---- | 23 | UNCH | 5.27B | 2.72A |
| 860 | ---- | ---- | ---- | ---- | 6.200- | 70 | .704 | ---- | ---- | 137 | UNCH | 6.72B | 3.20A |
| 880 | ---- | ---- | ---- | ---- | 7.750- | 75 | .779 | ---- | ---- | 10 | UNCH | 6.32B | 5.17A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 900 | ---- | ---- | ---- | ---- | 9.400- | 82 | .840 | ---- | ---- | 185 | UNCH | 6.12B | 5.82A |
| TOTAL | | | | | | | | | 0 | 1251 | | | |
| OCT18 | CSH NFDM PUT | | | | | | | | | | | | |
| 680 | ---- | ---- | ---- | ---- | .150 | UNCH | .037 | ---- | ---- | 1 | UNCH | 1.15 | 1.15 |
| 720 | ---- | ---- | ---- | ---- | .450- | 5 | .098 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 740 | ---- | ---- | ---- | ---- | .750- | 7 | .149 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 760 | ---- | ---- | ---- | ---- | 1.175- | 10 | .212 | ---- | ---- | 42 | UNCH | 1.20B | ---- |
| 780 | ---- | ---- | ---- | ---- | 1.750- | 12 | .287 | ---- | ---- | 47 | UNCH | 1.65B | ---- |
| 800 | ---- | ---- | ---- | ---- | 2.500- | 12 | .369 | ---- | ---- | 146 | UNCH | 2.57B | ---- |
| 820 | ---- | ---- | ---- | ---- | 3.400- | 17 | .456 | ---- | ---- | 120 | UNCH | 3.37B | 3.87A |
| 840 | ---- | ---- | ---- | ---- | 4.475- | 20 | .543 | ---- | ---- | 39 | UNCH | 4.45B | 2.00A |
| 860 | ---- | ---- | ---- | ---- | 5.725- | 22 | .625 | ---- | ---- | 27 | UNCH | 5.75B | ---- |
| 880 | ---- | ---- | ---- | ---- | 7.125- | 25 | .700 | ---- | ---- | 85 | UNCH | 6.52B | ---- |
| 900 | ---- | ---- | ---- | ---- | 8.650- | 27 | .766 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 920 | ---- | ---- | ---- | ---- | 10.300- | 30 | .822 | ---- | ---- | 25 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 567 | | | |
| NOV18 | CSH NFDM PUT | | | | | | | | | | | | |
| 720 | ---- | ---- | ---- | ---- | .525- | 7 | .098 | ---- | ---- | 1 | UNCH | .90 | .90 |
| 740 | ---- | ---- | ---- | ---- | .800- | 12 | .139 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 760 | ---- | ---- | ---- | ---- | 1.200- | 17 | .192 | ---- | ---- | 29 | UNCH | ---- | ---- |
| 780 | ---- | ---- | ---- | ---- | 1.725- | 22 | .254 | ---- | ---- | 24 | UNCH | ---- | ---- |
| 800 | ---- | ---- | ---- | ---- | 2.400- | 25 | .323 | ---- | ---- | 139 | UNCH | ---- | ---- |
| 820 | ---- | ---- | ---- | ---- | 3.200- | 32 | .397 | ---- | ---- | 107 | UNCH | 3.62 | 3.62 |
| 840 | ---- | ---- | ---- | ---- | 4.175- | 37 | .473 | ---- | ---- | 31 | UNCH | ---- | ---- |
| 860 | ---- | ---- | ---- | ---- | 5.275- | 45 | .548 | ---- | ---- | 57 | UNCH | ---- | ---- |
| 880 | ---- | ---- | ---- | ---- | 6.550- | 47 | .619 | ---- | ---- | 85 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 7.925- | 52 | .684 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 940 | ---- | ---- | ---- | ---- | 11.025- | 62 | .796 | ---- | ---- | 25 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 533 | | | |
| DEC18 | CSH NFDM PUT | | | | | | | | | | | | |
| 680 | ---- | ---- | ---- | ---- | .225 | UNCH | .044 | ---- | ---- | 1 | UNCH | 1.15 | 1.15 |
| 740 | ---- | ---- | ---- | ---- | .900 | UNCH | .142 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 760 | ---- | ---- | ---- | ---- | 1.300 | UNCH | .190 | ---- | ---- | 29 | UNCH | ---- | ---- |
| 780 | ---- | ---- | ---- | ---- | 1.825 | UNCH | .247 | ---- | ---- | 24 | UNCH | ---- | ---- |
| 800 | ---- | ---- | ---- | ---- | 2.475 | UNCH | .309 | ---- | ---- | 189 | UNCH | ---- | ---- |
| 820 | ---- | ---- | ---- | ---- | 3.275+ | 2 | .376 | ---- | ---- | 37 | UNCH | ---- | ---- |
| 840 | ---- | ---- | ---- | ---- | 4.175 | UNCH | .445 | ---- | ---- | 31 | UNCH | ---- | ---- |
| 860 | ---- | ---- | ---- | ---- | 5.250+ | 2 | .514 | ---- | ---- | 218 | UNCH | 2.75B | ---- |
| 880 | ---- | ---- | ---- | ---- | 6.450+ | 5 | .580 | ---- | ---- | 85 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 7.750+ | 2 | .643 | ---- | ---- | 30 | UNCH | 7.37B | 6.25 |
| 940 | ---- | ---- | ---- | ---- | 10.725+ | 5 | .755 | ---- | ---- | 25 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 679 | | | |
| JAN19 | CSH NFDM PUT | | | | | | | | | | | | |
| 760 | ---- | ---- | ---- | ---- | 1.350 | UNCH | .183 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 780 | ---- | ---- | ---- | ---- | 1.850 | UNCH | .234 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 800 | ---- | ---- | ---- | ---- | 2.475 | UNCH | .291 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 820 | ---- | ---- | ---- | ---- | 3.225 | UNCH | .351 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 860 | ---- | ---- | ---- | ---- | 5.100 | UNCH | .479 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 880 | ---- | ---- | ---- | ---- | 6.225 | UNCH | .542 | ---- | ---- | 108 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 7.450- | 2 | .602 | ---- | ---- | 10 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 184 | | | |
| FEB19 | CSH NFDM PUT | | | | | | | | | | | | |
| 740 | ---- | ---- | ---- | ---- | .950 | UNCH | .130 | ---- | ---- | 1 | UNCH | 1.50 | 1.50 |
| 760 | ---- | ---- | ---- | ---- | 1.325 | UNCH | .170 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 780 | ---- | ---- | ---- | ---- | 1.800- | 2 | .216 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 800 | ---- | ---- | ---- | ---- | 2.375- | 2 | .267 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 820 | ---- | ---- | ---- | ---- | 3.075- | 2 | .322 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 860 | ---- | ---- | ---- | ---- | 4.825- | 2 | .439 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 880 | ---- | ---- | ---- | ---- | 5.875- | 2 | .498 | ---- | ---- | 117 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 7.050 | UNCH | .556 | ---- | ---- | 10 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 194 | | | |
| MAR19 | CSH NFDM PUT | | | | | | | | | | | | |
| 760 | ---- | ---- | ---- | ---- | 1.325- | 2 | .159 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 780 | ---- | ---- | ---- | ---- | 1.775- | 2 | .200 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 800 | ---- | ---- | ---- | ---- | 2.325- | 2 | .246 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 820 | ---- | ---- | ---- | ---- | 2.975- | 2 | .295 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 860 | ---- | ---- | ---- | ---- | 4.600- | 2 | .402 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 880 | ---- | ---- | ---- | ---- | 5.600 | UNCH | .456 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 900 | ---- | ---- | ---- | ---- | 6.675- | 2 | .511 | ---- | ---- | 10 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 81 | | | |
| APR19 | CSH NFDM PUT | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | ---- | 5.425- | 5 | .429 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 3 | | | |
| MAY19 | CSH NFDM PUT | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | ---- | 5.000 | UNCH | .385 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 3 | | | |
| JUN19 | CSH NFDM PUT | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | ---- | 5.025 | UNCH | .374 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 3 | | | |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



BUTTER CS CALL

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | BUTTER CS CALL | | | | | | | | | | | | |
| 2200 | ---- | ---- | ---- | ---- | 16.475+ | 47 | 1.000 | ---- | ---- | 30 | UNCH | 11.725B | ---- |
| 2220 | ---- | ---- | ---- | ---- | 14.475+ | 47 | 1.000 | ---- | ---- | 10 | UNCH | 12.325B | ---- |
| 2240 | ---- | ---- | ---- | ---- | 12.475+ | 47 | 1.000 | ---- | ---- | 18 | UNCH | 12.625B | ---- |
| 2280 | ---- | ---- | ---- | ---- | 8.475+ | 47 | 1.000 | ---- | ---- | 2 | UNCH | 12.625B | 12.10 |
| 2300 | ---- | ---- | ---- | ---- | 6.475+ | 47 | 1.000 | ---- | ---- | 95 | UNCH | 11.275B | 9.00 |
| 2320 | ---- | ---- | ---- | ---- | 4.475+ | 47 | .999 | ---- | ---- | 46 | UNCH | 11.825B | 3.00 |
| 2340 | ---- | ---- | ---- | ---- | 2.475+ | 45 | .980 | ---- | ---- | 57 | UNCH | 10.525B | 5.70 |
| 2360 | ---- | ---- | ---- | ---- | .625+ | 27 | .726 | ---- | ---- | 42 | UNCH | 11.225B | 1.25 |
| 2380 | ---- | ---- | ---- | ---- | CAB | ---- | .028 | ---- | ---- | 31 | UNCH | 10.125B | 2.10 |
| 2400 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 90 | UNCH | 8.875B | 2.575 |
| 2420 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 64 | UNCH | 7.750B | 1.95 |
| 2440 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 86 | UNCH | 6.725B | 1.40 |
| 2460 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 33 | UNCH | 5.700B | .450 |
| 2480 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 73 | UNCH | 4.950B | .400 |
| 2500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 109 | UNCH | 4.225B | 1.50 |
| 2520 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 82 | UNCH | 3.675B | .875 |
| 2540 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 61 | UNCH | 3.050B | .675 |
| 2600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 117 | UNCH | 3.000 | .825A |
| 2620 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | 2.000B | ---- |
| 2640 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 140 | UNCH | 1.275B | ---- |
| 2660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 1.050B | ---- |
| 2700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 2.500 | 2.50 |
| TOTAL | | | | | | | | | 0 | 1222 | | | |
| JUL18 | BUTTER CS CALL | | | | | | | | | | | | |
| 2240 | ---- | ---- | ---- | ---- | 4.475+ | 15 | .747 | ---- | ---- | 10 | UNCH | ---- | 6.125 |
| 2300 | ---- | ---- | ---- | ---- | 1.250+ | 2 | .337 | ---- | ---- | 45 | UNCH | 15.000B | 1.675 |
| 2320 | ---- | ---- | ---- | ---- | .725+ | 2 | .221 | ---- | ---- | 25 | UNCH | 12.750B | 1.10 |
| 2340 | ---- | ---- | ---- | ---- | .375 | UNCH | .130 | ---- | ---- | 42 | UNCH | 12.300B | .800A |
| 2360 | ---- | ---- | ---- | ---- | .175 | UNCH | .068 | ---- | ---- | 30 | UNCH | 13.400B | .575A |
| 2380 | ---- | ---- | ---- | ---- | .075 | UNCH | .032 | ---- | ---- | 14 | UNCH | 12.550B | .425A |
| 2400 | ---- | ---- | ---- | ---- | .050+ | 2 | .021 | ---- | ---- | 107 | UNCH | 13.200B | .325A |
| 2420 | ---- | ---- | ---- | ---- | .025 | UNCH | .010 | ---- | ---- | 97 | UNCH | 11.850B | .200A |
| 2440 | ---- | ---- | ---- | ---- | CAB | ---- | .005 | ---- | ---- | 11 | UNCH | 10.425B | 1.50 |
| 2460 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | 5 | 36 | UNCH | 11.075B | 1.20 |
| 2480 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 58 | UNCH | 9.775B | .925A |
| 2500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 109 | UNCH | 9.000 | .725A |
| 2520 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 18 | UNCH | 7.475B | .575A |
| 2540 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 108 | UNCH | 6.450B | .475A |
| 2560 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 55 | UNCH | 5.550B | .725A |
| 2580 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 8 | UNCH | 4.750B | .625A |
| 2600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 146 | UNCH | 4.025B | .175 |
| 2640 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 190 | UNCH | 2.875B | .350 |
| 2660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 84 | UNCH | 2.450B | .050 |
| 2680 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 2.025B | 1.375 |
| 2700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | 1.700B | 1.525 |
| 2720 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 3.900 | 1.325 |
| TOTAL | | | | | | | | | 5 | 1215 | | | |
| AUG18 | BUTTER CS CALL | | | | | | | | | | | | |
| 2240 | ---- | ---- | ---- | ---- | 8.950+ | 105 | .659 | ---- | ---- | 10 | UNCH | 8.925B | 9.80 |
| 2300 | ---- | ---- | ---- | ---- | 5.650+ | 80 | .499 | ---- | ---- | 40 | UNCH | 8.000B | 5.85 |
| 2320 | ---- | ---- | ---- | ---- | 4.750+ | 70 | .445 | ---- | ---- | 25 | UNCH | 11.900 | 4.975 |
| 2340 | ---- | ---- | ---- | ---- | 3.950+ | 60 | .392 | ---- | ---- | 54 | UNCH | 14.625B | 3.075 |
| 2360 | ---- | ---- | ---- | ---- | 3.275+ | 52 | .342 | ---- | ---- | 34 | UNCH | 13.250B | 3.50 |
| 2380 | ---- | ---- | ---- | ---- | 2.675+ | 45 | .295 | ---- | ---- | 5 | UNCH | 13.550B | 2.925 |
| 2400 | ---- | ---- | ---- | ---- | 2.175+ | 37 | .251 | ---- | ---- | 96 | UNCH | 12.325B | 2.45 |
| 2420 | ---- | ---- | ---- | ---- | 1.750+ | 32 | .212 | ---- | ---- | 55 | UNCH | 13.775B | 2.05 |
| 2440 | ---- | ---- | ---- | ---- | 1.375+ | 25 | .175 | ---- | ---- | 169 | UNCH | 12.450B | 1.725 |
| 2460 | ---- | ---- | ---- | ---- | 1.100+ | 22 | .146 | ---- | 5 | 13 | UNCH | 13.000B | 1.45 |
| 2480 | 1.200 | #1.200 | *1.200 | ---- | .850+ | 17 | .118 | ---- | 10 | 56 | UNCH | 11.725B | 1.20 |
| 2500 | ---- | ---- | ---- | ---- | .650+ | 12 | .094 | ---- | ---- | 117 | UNCH | 10.500B | 1.30 |
| 2520 | ---- | ---- | ---- | ---- | .500+ | 10 | .075 | ---- | ---- | 3 | UNCH | 9.350B | 1.10 |
| 2540 | ---- | ---- | ---- | ---- | .375+ | 7 | .059 | ---- | ---- | 15 | UNCH | 8.325B | .950A |
| 2560 | ---- | ---- | ---- | ---- | .275+ | 5 | .045 | ---- | ---- | 105 | UNCH | 7.350B | .500 |
| 2580 | ---- | ---- | ---- | ---- | .225+ | 5 | .037 | ---- | ---- | 6 | UNCH | 6.475B | 1.675 |
| 2600 | ---- | ---- | ---- | ---- | .150+ | 2 | .026 | ---- | ---- | 132 | UNCH | 5.675B | .300 |
| 2640 | ---- | ---- | ---- | ---- | .075+ | 2 | .014 | ---- | ---- | 209 | UNCH | 4.350B | .150 |
| 2660 | ---- | ---- | ---- | ---- | .050 | UNCH | .009 | ---- | ---- | 74 | UNCH | 3.775B | .900 |
| 2680 | ---- | ---- | ---- | ---- | .050+ | 2 | .009 | ---- | ---- | 1 | UNCH | 3.300B | 1.775 |
| 2700 | ---- | ---- | ---- | ---- | .025 | UNCH | .005 | ---- | ---- | 25 | UNCH | 2.850B | 1.575 |
| 2740 | ---- | ---- | ---- | ---- | .025+ | 2 | .004 | ---- | ---- | 26 | UNCH | 3.350 | .200 |
| TOTAL | | | | | | | | | 15 | 1270 | | | |
| SEP18 | BUTTER CS CALL | | | | | | | | | | | | |
| 2240 | ---- | ---- | ---- | ---- | 11.625+ | 67 | .674 | ---- | ---- | 10 | UNCH | 11.600B | 12.70 |
| 2300 | ---- | ---- | ---- | ---- | 8.150+ | 52 | .548 | ---- | ---- | 40 | UNCH | 12.450B | 8.60 |
| 2320 | ---- | ---- | ---- | ---- | 7.150+ | 47 | .505 | ---- | ---- | 6 | UNCH | 8.400B | 7.625 |
| 2340 | ---- | ---- | ---- | ---- | 6.250+ | 42 | .462 | ---- | ---- | 38 | UNCH | 15.150B | 6.725 |
| 2360 | ---- | ---- | ---- | ---- | 5.425+ | 37 | .419 | ---- | ---- | 30 | UNCH | 16.125B | 5.925 |
| 2380 | ---- | ---- | ---- | ---- | 4.675+ | 32 | .378 | ---- | ---- | 8 | UNCH | 14.825B | 5.20 |
| 2400 | ---- | ---- | ---- | ---- | 4.025+ | 30 | .339 | ---- | ---- | 96 | UNCH | 14.725B | 4.55 |
| 2420 | ---- | ---- | ---- | ---- | 3.450+ | 27 | .302 | ---- | ---- | 55 | UNCH | 14.025B | 4.05 |
| 2440 | ---- | ---- | ---- | ---- | 2.925+ | 22 | .267 | ---- | ---- | 115 | UNCH | 14.550B | 3.45 |
| 2460 | ---- | ---- | ---- | ---- | 2.475+ | 20 | .235 | ---- | 5 | 45 | UNCH | 13.325B | 3.075 |
| 2480 | ---- | ---- | ---- | ---- | 2.075+ | 17 | .205 | ---- | ---- | 14 | UNCH | 12.100B | 2.625 |
| 2500 | ---- | ---- | ---- | ---- | 1.725+ | 15 | .177 | ---- | ---- | 116 | UNCH | 10.950B | 2.25 |
| 2520 | ---- | ---- | ---- | ---- | 1.450+ | 12 | .153 | ---- | ---- | 4 | UNCH | 9.850B | 2.25 |
| 2540 | ---- | ---- | ---- | ---- | 1.200+ | 12 | .131 | ---- | ---- | 74 | UNCH | 8.850B | 3.00 |
| 2560 | ---- | ---- | ---- | ---- | .975+ | 10 | .110 | ---- | ---- | 131 | UNCH | 6.025B | 2.625 |
| 2580 | ---- | ---- | ---- | ---- | .800+ | 7 | .093 | ---- | ---- | 6 | UNCH | .750B | 2.30 |
| 2600 | ---- | ---- | ---- | ---- | .650+ | 7 | .078 | ---- | ---- | 96 | UNCH | 1.000 | 1.00 |
| 2640 | ---- | ---- | ---- | ---- | .425+ | 5 | .054 | ---- | ---- | 169 | UNCH | .500 | .450 |
| 2660 | ---- | ---- | ---- | ---- | .350+ | 5 | .045 | ---- | ---- | 70 | UNCH | 1.500 | .350 |
| 2680 | ---- | ---- | ---- | ---- | .275+ | 2 | .037 | ---- | ---- | 1 | UNCH | .400B | 2.75 |
| 2700 | ---- | ---- | ---- | ---- | .225+ | 2 | .030 | ---- | ---- | 35 | UNCH | .225B | 2.525 |
| 2760 | ---- | ---- | ---- | ---- | .100 | UNCH | .015 | ---- | ---- | 2 | UNCH | 3.500 | 1.775 |
| TOTAL | | | | | | | | | 5 | 1161 | | | |
| OCT18 | BUTTER CS CALL | | | | | | | | | | | | |
| 2340 | ---- | ---- | ---- | ---- | 8.700+ | 50 | .526 | ---- | ---- | 9 | UNCH | ---- | 9.125 |
| 2360 | ---- | ---- | ---- | ---- | 7.750+ | 45 | .489 | ---- | ---- | 5 | UNCH | 16.725B | 8.175 |
| 2380 | ---- | ---- | ---- | ---- | 6.900+ | 42 | .452 | ---- | ---- | 10 | UNCH | 15.450B | 7.30 |
| 2400 | ---- | ---- | ---- | ---- | 6.100+ | 37 | .415 | ---- | ---- | 96 | UNCH | 17.625B | 6.50 |
| 2420 | ---- | ---- | ---- | ---- | 5.375+ | 35 | .380 | ---- | ---- | 50 | UNCH | 14.800B | 5.775 |
| 2440 | ---- | ---- | ---- | ---- | 4.725+ | 32 | .346 | ---- | ---- | 110 | UNCH | 13.575B | 5.125 |
| 2460 | ---- | ---- | ---- | ---- | 4.125+ | 27 | .313 | ---- | 5 | 10 | UNCH | 12.425B | 4.55 |
| 2480 | ---- | ---- | ---- | ---- | 3.575+ | 25 | .282 | ---- | ---- | 12 | UNCH | 11.325B | 4.025 |
| 2500 | ---- | ---- | ---- | ---- | 3.100+ | 22 | .253 | ---- | ---- | 90 | UNCH | 9.125B | 3.55 |
| 2540 | ---- | ---- | ---- | ---- | 2.275+ | 15 | .199 | ---- | ---- | 1 | UNCH | 7.475B | 2.775 |
| 2560 | ---- | ---- | ---- | ---- | 1.925+ | 10 | .175 | ---- | ---- | 103 | UNCH | 6.725B | 2.475 |
| 2580 | ---- | ---- | ---- | ---- | 1.625+ | 7 | .152 | ---- | ---- | 6 | UNCH | 6.050B | 2.50 |
| 2600 | ---- | ---- | ---- | ---- | 1.375+ | 5 | .133 | ---- | ---- | 328 | UNCH | ---- | 2.20 |
| 2620 | ---- | ---- | ---- | ---- | 1.175+ | 7 | .116 | ---- | ---- | 25 | UNCH | ---- | 1.925 |
| 2640 | ---- | ---- | ---- | ---- | 1.000+ | 7 | .101 | ---- | ---- | 219 | UNCH | 1.000 | 1.00 |
| 2660 | ---- | ---- | ---- | ---- | .850+ | 7 | .088 | ---- | ---- | 70 | UNCH | ---- | 2.85 |
| 2680 | ---- | ---- | ---- | ---- | .725+ | 7 | .077 | ---- | ---- | 1 | UNCH | ---- | 3.525 |
| 2700 | ---- | ---- | ---- | ---- | .625+ | 7 | .067 | ---- | ---- | 40 | UNCH | .575B | 3.50 |
| 2800 | ---- | ---- | ---- | ---- | .275+ | 7 | .032 | ---- | ---- | 1 | UNCH | 2.000 | 2.00 |
| 2820 | ---- | ---- | ---- | ---- | .200+ | 2 | .024 | ---- | ---- | 1 | UNCH | 3.750 | 3.75 |
| TOTAL | | | | | | | | | 5 | 1187 | | | |
| NOV18 | BUTTER CS CALL | | | | | | | | | | | | |
| 2340 | ---- | ---- | ---- | ---- | 10.325+ | 32 | .545 | ---- | ---- | 9 | UNCH | 18.200B | 12.02 |
| 2360 | ---- | ---- | ---- | ---- | 9.350+ | 30 | .511 | ---- | ---- | 5 | UNCH | 16.925B | 10.95 |
| 2380 | ---- | ---- | ---- | ---- | 8.450+ | 27 | .478 | ---- | ---- | 3 | UNCH | 15.700B | 8.00 |
| 2400 | ---- | ---- | ---- | ---- | 7.625+ | 27 | .446 | ---- | ---- | 96 | UNCH | 16.900B | 9.125 |
| 2420 | ---- | ---- | ---- | ---- | 6.850+ | 25 | .414 | ---- | ---- | 50 | UNCH | 15.650B | 8.15 |
| 2460 | ---- | ---- | ---- | ---- | 5.475+ | 22 | .353 | ---- | ---- | 10 | UNCH | 11.400B | 6.65 |
| 2480 | ---- | ---- | ---- | ---- | 4.875+ | 20 | .324 | ---- | ---- | 12 | UNCH | 10.325B | 5.975 |
| 2500 | ---- | ---- | ---- | ---- | 4.325+ | 17 | .297 | ---- | ---- | 20 | UNCH | 9.575B | 5.375 |
| 2540 | ---- | ---- | ---- | ---- | 3.375+ | 15 | .246 | ---- | ---- | 1 | UNCH | ---- | 4.30 |
| 2560 | ---- | ---- | ---- | ---- | 2.950+ | 12 | .222 | ---- | ---- | 103 | UNCH | ---- | 3.825 |
| 2580 | ---- | ---- | ---- | ---- | 2.600+ | 12 | .200 | ---- | ---- | 6 | UNCH | ---- | 3.40 |
| 2600 | ---- | ---- | ---- | ---- | 2.275+ | 10 | .180 | ---- | ---- | 313 | UNCH | 2.250 | 2.05 |
| 2620 | ---- | ---- | ---- | ---- | 1.975+ | 10 | .161 | ---- | ---- | 25 | UNCH | ---- | 2.675 |
| 2640 | ---- | ---- | ---- | ---- | 1.725+ | 10 | .144 | ---- | ---- | 69 | UNCH | ---- | 2.375 |
| 2660 | ---- | ---- | ---- | ---- | 1.475+ | 5 | .127 | ---- | ---- | 20 | UNCH | ---- | 1.975 |
| 2680 | ---- | ---- | ---- | ---- | 1.275+ | 5 | .112 | ---- | ---- | 1 | UNCH | ---- | 1.85 |
| 2700 | ---- | ---- | ---- | ---- | 1.100+ | 5 | .099 | ---- | ---- | 40 | UNCH | ---- | 1.675 |
| 2800 | ---- | ---- | ---- | ---- | .500+ | 2 | .050 | ---- | ---- | 1 | UNCH | 2.575 | 2.575 |
| 2860 | ---- | ---- | ---- | ---- | .300+ | 2 | .032 | ---- | ---- | 1 | UNCH | 2.500 | 2.50 |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | | | | | | | | | | 0 | 785 | | | |
| DEC18 | BUTTER CS CALL | | | | | | | | | | | | | |
| 2340 | ---- | ---- | ---- | ---- | 10.500+ | 42 | .526 | ---- | ---- | 9 | UNCH | 17.550B | 10.27 | |
| 2360 | ---- | ---- | ---- | ---- | 9.575+ | 40 | .495 | ---- | ---- | 5 | UNCH | 16.350B | 9.325 | |
| 2400 | ---- | ---- | ---- | ---- | 7.900+ | 35 | .435 | ---- | ---- | 53 | UNCH | 14.100B | 7.825 | |
| 2420 | ---- | ---- | ---- | ---- | 7.150+ | 32 | .406 | ---- | ---- | 50 | UNCH | 13.050B | 6.925 | |
| 2460 | ---- | ---- | ---- | ---- | 5.800+ | 27 | .350 | ---- | ---- | 10 | UNCH | ---- | 5.625 | |
| 2480 | ---- | ---- | ---- | ---- | 5.200+ | 25 | .323 | ---- | ---- | 12 | UNCH | ---- | 5.050 | |
| 2500 | ---- | ---- | ---- | ---- | 4.675+ | 25 | .298 | ---- | ---- | 20 | UNCH | ---- | 4.525 | |
| 2540 | ---- | ---- | ---- | ---- | 3.725+ | 20 | .251 | ---- | ---- | 1 | UNCH | ---- | 3.600 | |
| 2560 | ---- | ---- | ---- | ---- | 3.300+ | 17 | .228 | ---- | ---- | 103 | UNCH | ---- | 3.200 | |
| 2580 | ---- | ---- | ---- | ---- | 2.925+ | 15 | .208 | ---- | ---- | 6 | UNCH | ---- | 2.825 | |
| 2600 | ---- | ---- | ---- | ---- | 2.600+ | 15 | .189 | ---- | ---- | 337 | UNCH | ---- | 2.225 | |
| 2620 | ---- | ---- | ---- | ---- | 2.275+ | 12 | .170 | ---- | ---- | 25 | UNCH | ---- | 2.200 | |
| 2640 | ---- | ---- | ---- | ---- | 2.025+ | 12 | .154 | ---- | ---- | 109 | UNCH | ---- | 1.950 | |
| 2660 | ---- | ---- | ---- | ---- | 1.775+ | 10 | .139 | ---- | ---- | 10 | UNCH | ---- | 1.700 | |
| 2700 | ---- | ---- | ---- | ---- | 1.350+ | 7 | .111 | ---- | ---- | 10 | UNCH | ---- | 1.325 | |
| 2780 | ---- | ---- | ---- | ---- | .775+ | NEW | .069 | ---- | 2 | 2 + | 2 | .975 | .975 | |
| 2800 | ---- | ---- | ---- | ---- | .675+ | NEW | .061 | ---- | 2 | 2 + | 2 | .900 | .900 | |
| 2900 | ---- | ---- | ---- | ---- | .325+ | 2 | .032 | ---- | ---- | 1 | UNCH | 2.250 | 2.250 | |
| TOTAL | | | | | | | | | 4 | 765 + | 4 | | | |
| JAN19 | BUTTER CS CALL | | | | | | | | | | | | | |
| 2360 | ---- | ---- | ---- | ---- | 8.325 | UNCH | .446 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 2380 | ---- | ---- | ---- | ---- | 7.550- | 2 | .417 | ---- | ---- | 5 | UNCH | ---- | ---- | |
| 2560 | ---- | ---- | ---- | ---- | 2.825- | 2 | .200 | ---- | ---- | 70 | UNCH | ---- | ---- | |
| 2600 | ---- | ---- | ---- | ---- | 2.225 | UNCH | .165 | ---- | ---- | 150 | UNCH | ---- | ---- | |
| 2640 | ---- | ---- | ---- | ---- | 1.725 | UNCH | .134 | ---- | ---- | 50 | UNCH | ---- | ---- | |
| 2880 | ---- | ---- | ---- | ---- | .325 | UNCH | .031 | ---- | ---- | 1 | UNCH | 1.250 | 1.250 | |
| TOTAL | | | | | | | | | 0 | 286 | | | | |
| FEB19 | BUTTER CS CALL | | | | | | | | | | | | | |
| 2360 | ---- | ---- | ---- | ---- | 9.100- | 2 | .456 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 2380 | ---- | ---- | ---- | ---- | 8.325- | 2 | .429 | ---- | ---- | 5 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 15 | | | | |
| MAR19 | BUTTER CS CALL | | | | | | | | | | | | | |
| 2360 | ---- | ---- | ---- | ---- | 11.950- | 2 | .519 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 2380 | ---- | ---- | ---- | ---- | 11.050- | 2 | .493 | ---- | ---- | 5 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 15 | | | | |
| MILK MIDI PUT | | | | | | | | | | | | | | |
| JUN18 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | ---- | |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | UNCH | ---- | ---- | |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1500 | ---- | ---- | ---- | ---- | CAB | ---- | .059 | ---- | ---- | 5 | UNCH | .300 | .300 | |
| 1525 | ---- | ---- | ---- | ---- | .030- | 1 | .677 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .270- | 1 | .945 | ---- | ---- | 5 | UNCH | .280 | .080 | |
| 1600 | ---- | ---- | ---- | ---- | .770- | 1 | 1.000 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 32 | | | | |
| JUL18 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .080- | 12 | .264 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1450 | ---- | ---- | ---- | ---- | .320- | 20 | .660 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1475 | ---- | ---- | ---- | ---- | .510- | 21 | .817 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1500 | ---- | ---- | ---- | ---- | .730- | 22 | .915 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 1525 | ---- | ---- | ---- | ---- | .960- | 23 | .956 | ---- | ---- | 4 | UNCH | .300 | .300A | |
| 1550 | ---- | ---- | ---- | ---- | 1.210- | 23 | .978 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1600 | ---- | ---- | ---- | ---- | 1.710- | 23 | .997 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1625 | ---- | ---- | ---- | ---- | 1.960- | 23 | .999 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 25 | | | | |
| AUG18 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .060- | 9 | .107 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1450 | ---- | ---- | ---- | ---- | .150- | 16 | .224 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1475 | ---- | ---- | ---- | ---- | .220- | 19 | .301 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1500 | ---- | ---- | ---- | ---- | .310- | 23 | .387 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 1525 | ---- | ---- | ---- | ---- | .430- | 26 | .478 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .560- | 29 | .570 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1600 | ---- | ---- | ---- | ---- | .900- | 33 | .735 | ---- | ---- | 2 | UNCH | .330B | ---- | |
| 1625 | ---- | ---- | ---- | ---- | 1.100- | 35 | .799 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 24 | | | | |
| SEP18 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .050- | 4 | .073 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1450 | ---- | ---- | ---- | ---- | .100- | 8 | .135 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1475 | ---- | ---- | ---- | ---- | .140- | 11 | .180 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1500 | ---- | ---- | ---- | ---- | .200- | 13 | .237 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 1525 | ---- | ---- | ---- | ---- | .270- | 16 | .299 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .370- | 17 | .370 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1600 | ---- | ---- | ---- | ---- | .610- | 21 | .514 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1625 | ---- | ---- | ---- | ---- | .740- | 25 | .586 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 23 | | | | |
| OCT18 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .050- | 5 | .070 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1450 | ---- | ---- | ---- | ---- | .100- | 7 | .128 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1475 | ---- | ---- | ---- | ---- | .150- | 8 | .175 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1500 | ---- | ---- | ---- | ---- | .200- | 10 | .222 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 1525 | ---- | ---- | ---- | ---- | .280- | 11 | .282 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .360- | 14 | .341 | ---- | ---- | 3 | UNCH | .340B | ---- | |
| 1600 | ---- | ---- | ---- | ---- | .580- | 17 | .473 | ---- | ---- | 2 | UNCH | .290B | ---- | |
| 1625 | ---- | ---- | ---- | ---- | .720- | 18 | .539 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 22 | | | | |
| NOV18 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .070- | 4 | .088 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1450 | ---- | ---- | ---- | ---- | .140- | 7 | .157 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1475 | ---- | ---- | ---- | ---- | .190- | 9 | .201 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1500 | ---- | ---- | ---- | ---- | .250- | 11 | .249 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 1525 | ---- | ---- | ---- | ---- | .330- | 12 | .306 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .420- | 14 | .365 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1600 | ---- | ---- | ---- | ---- | .660- | 16 | .490 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 21 | | | | |
| DEC18 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .100- | 4 | .112 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1450 | ---- | ---- | ---- | ---- | .180- | 6 | .183 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1475 | ---- | ---- | ---- | ---- | .240- | 8 | .228 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1500 | ---- | ---- | ---- | ---- | .310- | 9 | .278 | ---- | ---- | 10 | UNCH | ---- | ---- | |
| 1525 | ---- | ---- | ---- | ---- | .400- | 10 | .333 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .500- | 11 | .389 | ---- | ---- | 3 | UNCH | ---- | ---- | |
| 1600 | ---- | ---- | ---- | ---- | .740- | 13 | .506 | ---- | ---- | 2 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 21 | | | | |
| JAN19 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1525 | ---- | ---- | ---- | ---- | .450- | 10 | .355 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .560- | 10 | .412 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1575 | ---- | ---- | ---- | ---- | .680- | 11 | .468 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 3 | | | | |
| FEB19 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1525 | ---- | ---- | ---- | ---- | .490- | 9 | .361 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .600- | 10 | .414 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1575 | ---- | ---- | ---- | ---- | .720- | 11 | .467 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 3 | | | | |
| MAR19 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1525 | ---- | ---- | ---- | ---- | .560- | 7 | .376 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .670- | 7 | .426 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1575 | ---- | ---- | ---- | ---- | .790- | 8 | .477 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 3 | | | | |
| APR19 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1525 | ---- | ---- | ---- | ---- | .530- | 4 | .357 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1550 | ---- | ---- | ---- | ---- | .630- | 5 | .405 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1575 | ---- | ---- | ---- | ---- | .750- | 5 | .454 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 3 | | | | |
| MAY19 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1525 | ---- | ---- | ---- | ---- | .550- | 1 | .352 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1575 | ---- | ---- | ---- | ---- | .770- | 2 | .445 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 2 | | | | |
| JUN19 | MILK MIDI PUT | | | | | | | | | | | | | |
| 1525 | ---- | ---- | ---- | ---- | .540- | 2 | .338 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| 1575 | ---- | ---- | ---- | ---- | .760- | 2 | .427 | ---- | ---- | 1 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 2 | | | | |
| CHEESE CSC PUT | | | | | | | | | | | | | | |
| JUN18 | CHEESE CSC PUT | (FUTURES SETT. 1.619 + .1 ) | | | | | | | | | | | | |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | .003B | ---- |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 24 | UNCH | .005B | .003 |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 157 | UNCH | .021 | .002 |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 264 | UNCH | .024 | .001 |
| 1500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 594 | UNCH | .035 | .001 |
| 1525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 189 | UNCH | .040 | .002 |
| 1550 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 428 | UNCH | .056B | .001 |
| 1575 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 396 | UNCH | .069B | .002 |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | .068 | ---- | ---- | 313 | UNCH | .082B | .002 |
| 1625 | ---- | ---- | ---- | ---- | .007- | 0 | .791 | ---- | ---- | 137 | UNCH | .098B | .002 |
| 1650 | ---- | ---- | ---- | ---- | .031- | 0 | .950 | ---- | ---- | 479 | UNCH | .116B | .006A |
| 1675 | ---- | ---- | ---- | ---- | .056- | 0 | .998 | ---- | ---- | 109 | UNCH | .125B | .010 |
| 1700 | ---- | ---- | ---- | ---- | .081- | 0 | .999 | ---- | ---- | 13 | UNCH | .139B | .023A |
| 1725 | ---- | ---- | ---- | ---- | .106- | 0 | 1.000 | ---- | ---- | 5 | UNCH | .102B | .039A |
| TOTAL | | | | | | | | | 0 | 3112 | | | |
| JUL18 | | (FUTURES SETT. | 1.515 + | 1.9 ) | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .001- | 0 | .041 | ---- | ---- | 5 | UNCH | .008B | .002 |
| 1450 | ---- | ---- | ---- | ---- | .002- | 0 | .083 | ---- | ---- | 131 | UNCH | .014B | .002 |
| 1475 | ---- | ---- | ---- | ---- | .006- | 0 | .203 | ---- | 34 | 294 + | 19 | .024B | .003 |
| 1500 | ---- | ---- | ---- | ---- | .014- | 1 | .377 | ---- | 35 | 275 + | 35 | .038B | .003 |
| 1525 | ---- | ---- | ---- | ---- | .026- | 1 | .571 | ---- | 25 | 361 - | 18 | .046B | .003 |
| 1550 | ---- | ---- | ---- | ---- | .043- | 1 | .744 | ---- | 5 | 173 + | 5 | .037B | .001 |
| 1575 | ---- | ---- | ---- | ---- | .063- | 1 | .880 | ---- | ---- | 235 | UNCH | .047 | .007A |
| 1600 | ---- | ---- | ---- | ---- | .086- | 1 | .953 | ---- | 18 | 545 - | 1 | .110 | .004 |
| 1625 | ---- | ---- | ---- | ---- | .110- | 1 | .976 | ---- | ---- | 524 | UNCH | .105 | .008A |
| 1650 | ---- | ---- | ---- | ---- | .135- | 1 | .992 | ---- | 32 | 720 - | 21 | .085B | .012 |
| 1675 | ---- | ---- | ---- | ---- | .160- | 1 | .997 | ---- | ---- | 122 | UNCH | .177 | .017 |
| 1700 | ---- | ---- | ---- | ---- | .185- | 1 | .999 | ---- | 40 | 98 - | 7 | .190 | .022 |
| 1725 | ---- | ---- | ---- | ---- | .210- | 1 | .999 | ---- | ---- | 10 | UNCH | .107B | .037A |
| TOTAL | | | | | | | | | 189 | 3493 + | 12 | | |
| AUG18 | | (FUTURES SETT. | 1.611 + | 2.8 ) | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .002- | 0 | .040 | ---- | 17 | 17 | UNCH | .008B | .003 |
| 1450 | ---- | ---- | ---- | ---- | .003- | 0 | .059 | ---- | 10 | 78 | UNCH | .011B | .002 |
| 1475 | ---- | ---- | ---- | ---- | .006- | 0 | .102 | ---- | 10 | 262 + | 1 | .018 | .004 |
| 1500 | ---- | ---- | ---- | ---- | .009- | 0 | .146 | ---- | 37 | 270 + | 17 | .022B | .003 |
| 1525 | ---- | ---- | ---- | ---- | .014- | 1 | .207 | ---- | ---- | 77 | UNCH | .031B | .003 |
| 1550 | 0.030 | #027 | *027 | ---- | .021- | 1 | .281 | ---- | 50 | 169 + | 4 | .042 | .003 |
| 1575 | ---- | ---- | ---- | ---- | .030- | 1 | .362 | ---- | 5 | 153 + | 5 | .054B | .008A |
| 1600 | ---- | ---- | ---- | ---- | .040- | 1 | .447 | ---- | 40 | 582 + | 30 | .070B | .005 |
| 1625 | ---- | ---- | ---- | ---- | .053- | 2 | .535 | ---- | ---- | 435 | UNCH | .086B | .009A |
| 1650 | ---- | ---- | ---- | ---- | .068- | 2 | .620 | ---- | 25 | 752 | UNCH | .095B | .011 |
| 1675 | ---- | ---- | ---- | ---- | .085- | 2 | .699 | ---- | 13 | 125 + | 2 | .096B | .017A |
| 1700 | ---- | ---- | ---- | ---- | .104- | 2 | .768 | ---- | ---- | 146 | UNCH | .086B | .022 |
| 1725 | ---- | ---- | ---- | ---- | .125- | 2 | .821 | ---- | ---- | 45 | UNCH | .100B | .033A |
| 1750 | ---- | ---- | ---- | ---- | .147- | 2 | .864 | ---- | ---- | 5 | UNCH | .115B | .042A |
| TOTAL | | | | | | | | | 207 | 3116 + | 59 | | |
| SEP18 | | (FUTURES SETT. | 1.675 + | 2.2 ) | | | | | | | | | |
| 1450 | ---- | ---- | ---- | ---- | .003- | 0 | .046 | ---- | ---- | 70 | UNCH | .006B | .002 |
| 1475 | ---- | ---- | ---- | ---- | .004- | 0 | .061 | ---- | ---- | 263 | UNCH | .019 | .002 |
| 1500 | ---- | ---- | ---- | ---- | .006- | 0 | .087 | ---- | ---- | 227 | UNCH | .012B | .003 |
| 1525 | ---- | ---- | ---- | ---- | .009- | 0 | .122 | ---- | 2 | 95 | UNCH | .029 | .003 |
| 1550 | ---- | ---- | ---- | ---- | .014- | 0 | .172 | ---- | ---- | 80 | UNCH | .039 | .004 |
| 1575 | ---- | ---- | ---- | ---- | .019- | 0 | .220 | ---- | ---- | 144 | UNCH | .036B | .008 |
| 1600 | ---- | ---- | ---- | ---- | .026- | 1 | .280 | ---- | ---- | 517 | UNCH | .051 | .008 |
| 1625 | ---- | ---- | ---- | ---- | .035- | 1 | .345 | ---- | ---- | 481 | UNCH | .060 | .010A |
| 1650 | ---- | ---- | ---- | ---- | .045- | 1 | .413 | ---- | 2 | 814 + | 2 | .070 | .016A |
| 1675 | ---- | ---- | ---- | ---- | .057- | 1 | .483 | ---- | ---- | 169 | UNCH | .083 | .021A |
| 1700 | ---- | ---- | ---- | ---- | .071- | 1 | .552 | ---- | ---- | 145 | UNCH | .093B | .028 |
| 1725 | ---- | ---- | ---- | ---- | .086- | 1 | .620 | ---- | ---- | 20 | UNCH | .105B | .037A |
| 1750 | ---- | ---- | ---- | ---- | .103- | 1 | .683 | ---- | ---- | 10 | UNCH | .120B | .047A |
| TOTAL | | | | | | | | | 4 | 3035 + | 2 | | |
| OCT18 | | (FUTURES SETT. | 1.694 + | 1.8 ) | | | | | | | | | |
| 1450 | ---- | ---- | ---- | ---- | .004- | 0 | .053 | ---- | ---- | 70 | UNCH | .006B | .003 |
| 1475 | ---- | ---- | ---- | ---- | .006- | 0 | .075 | ---- | ---- | 15 | UNCH | .017 | .015A |
| 1500 | ---- | ---- | ---- | ---- | .008- | 0 | .097 | ---- | 16 | 151 + | 9 | .010B | .009A |
| 1525 | ---- | ---- | ---- | ---- | .011- | 0 | .127 | ---- | ---- | 127 | UNCH | .013B | .004 |
| 1550 | ---- | ---- | ---- | ---- | .015- | 0 | .164 | ---- | ---- | 55 | UNCH | .033 | .005 |
| 1575 | ---- | ---- | ---- | ---- | .019- | 0 | .203 | ---- | ---- | 187 | UNCH | .037 | .010 |
| 1600 | ---- | ---- | ---- | ---- | .025- | 0 | .252 | ---- | ---- | 617 | UNCH | .031B | .009 |
| 1625 | ---- | ---- | ---- | ---- | .032- | 1 | .307 | ---- | ---- | 337 | UNCH | .057B | .015A |
| 1650 | ---- | ---- | ---- | ---- | .041- | 1 | .368 | ---- | 35 | 577 + | 28 | .067B | .021A |
| 1675 | ---- | ---- | ---- | ---- | .052- | 1 | .432 | ---- | 9 | 197 - | 5 | .082B | .027A |
| 1700 | ---- | ---- | ---- | ---- | .065- | 1 | .497 | ---- | ---- | 195 | UNCH | .094B | .036A |
| 1725 | ---- | ---- | ---- | ---- | .079- | 1 | .561 | ---- | ---- | 48 | UNCH | .108B | .044A |
| TOTAL | | | | | | | | | 60 | 2576 + | 32 | | |
| NOV18 | | (FUTURES SETT. | 1.690 + | 1.4 ) | | | | | | | | | |
| 1450 | ---- | ---- | ---- | ---- | .004- | 0 | .054 | ---- | ---- | 73 | UNCH | .016 | .003 |
| 1475 | ---- | ---- | ---- | ---- | .006- | 0 | .076 | ---- | ---- | 10 | UNCH | .008B | .017A |
| 1500 | ---- | ---- | ---- | ---- | .009- | 0 | .105 | ---- | 16 | 136 + | 9 | .012B | .012A |
| 1525 | ---- | ---- | ---- | ---- | .012- | 0 | .135 | ---- | ---- | 145 | UNCH | .016B | .006 |
| 1550 | ---- | ---- | ---- | ---- | .017- | 0 | .177 | ---- | ---- | 78 | UNCH | .020B | .008 |
| 1575 | ---- | ---- | ---- | ---- | .023- | 0 | .224 | ---- | ---- | 90 | UNCH | .027B | .023A |
| 1600 | ---- | ---- | ---- | ---- | .030- | 0 | .274 | ---- | ---- | 562 | UNCH | .035B | .017A |
| 1625 | ---- | ---- | ---- | ---- | .038- | 0 | .327 | ---- | ---- | 306 | UNCH | .057 | .021A |
| 1650 | ---- | ---- | ---- | ---- | .048- | 0 | .385 | ---- | 7 | 525 | UNCH | .070B | .028A |
| 1675 | ---- | ---- | ---- | ---- | .059- | 1 | .444 | ---- | 9 | 229 + | 5 | .087B | .036A |
| 1700 | ---- | ---- | ---- | ---- | .072- | 1 | .504 | ---- | ---- | 242 | UNCH | .100B | .046A |
| 1725 | ---- | ---- | ---- | ---- | .086- | 1 | .563 | ---- | ---- | 135 | UNCH | .114B | .057A |
| 1750 | ---- | ---- | ---- | ---- | .102- | 1 | .619 | ---- | ---- | 5 | UNCH | .129B | .070A |
| TOTAL | | | | | | | | | 32 | 2536 + | 14 | | |
| DEC18 | | (FUTURES SETT. | 1.681 + | 1.0 ) | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | .003- | 0 | .039 | ---- | ---- | 5 | UNCH | .002B | .002 |
| 1450 | ---- | ---- | ---- | ---- | .006- | 0 | .072 | ---- | ---- | 76 | UNCH | .019 | .018A |
| 1475 | ---- | ---- | ---- | ---- | .009- | 0 | .100 | ---- | ---- | 10 | UNCH | .010B | .019A |
| 1500 | ---- | ---- | ---- | ---- | .012- | 0 | .128 | ---- | 21 | 167 + | 14 | .008 | .007 |
| 1525 | ---- | ---- | ---- | ---- | .016- | 0 | .162 | ---- | 1 | 156 + | 1 | .034 | .008 |
| 1550 | ---- | ---- | ---- | ---- | .022- | 0 | .206 | ---- | ---- | 73 | UNCH | .023B | .017A |
| 1575 | ---- | ---- | ---- | ---- | .028- | 0 | .250 | ---- | ---- | 84 | UNCH | .030B | .017A |
| 1600 | ---- | ---- | ---- | ---- | .036- | 0 | .301 | ---- | ---- | 568 | UNCH | .038B | .022A |
| 1625 | ---- | ---- | ---- | ---- | .045- | 0 | .353 | ---- | ---- | 413 | UNCH | .048B | .029A |
| 1650 | ---- | ---- | ---- | ---- | .056- | 0 | .409 | ---- | 12 | 326 + | 5 | .074B | .038A |
| 1675 | ---- | ---- | ---- | ---- | .068- | 0 | .465 | ---- | 10 | 187 - | 3 | .094B | .045 |
| 1700 | ---- | ---- | ---- | ---- | .081- | 0 | .521 | ---- | ---- | 239 | UNCH | .107B | .056A |
| 1725 | ---- | ---- | ---- | ---- | .096- | 0 | .576 | ---- | ---- | 115 | UNCH | .122B | .068A |
| TOTAL | | | | | | | | | 44 | 2419 + | 17 | | |
| JAN19 | | (FUTURES SETT. | 1.672 + | .4 ) | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | .015- | 0 | .148 | ---- | 17 | 101 + | 15 | .010 | .009 |
| 1550 | ---- | ---- | ---- | ---- | .025- | 0 | .225 | ---- | ---- | 6 | UNCH | .018 | .018 |
| 1600 | ---- | ---- | ---- | ---- | .041- | 0 | .323 | ---- | ---- | 128 | UNCH | .061B | .039A |
| 1650 | ---- | ---- | ---- | ---- | .062- | 0 | .430 | ---- | 17 | 109 + | 17 | .086B | .045A |
| 1675 | ---- | ---- | ---- | ---- | .074- | 0 | .484 | ---- | ---- | 5 | UNCH | .100B | .055A |
| 1700 | ---- | ---- | ---- | ---- | .088- | 0 | .539 | ---- | ---- | 110 | UNCH | .106B | .066A |
| TOTAL | | | | | | | | | 34 | 459 + | 32 | | |
| FEB19 | | (FUTURES SETT. | 1.675 + | .6 ) | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | .017- | 0 | .157 | ---- | 17 | 107 + | 15 | .012 | .011 |
| 1550 | ---- | ---- | ---- | ---- | .028- | 0 | .232 | ---- | ---- | 3 | UNCH | ---- | .029A |
| 1575 | ---- | ---- | ---- | ---- | .036- | 0 | .278 | ---- | ---- | 7 | UNCH | ---- | .028A |
| 1600 | ---- | ---- | ---- | ---- | .044- | 0 | .324 | ---- | ---- | 38 | UNCH | ---- | .031A |
| 1650 | ---- | ---- | ---- | ---- | .065- | 0 | .425 | ---- | 17 | 108 + | 14 | .083B | .048A |
| 1675 | ---- | ---- | ---- | ---- | .077- | 0 | .477 | ---- | ---- | 7 | UNCH | .096B | .058A |
| 1700 | ---- | ---- | ---- | ---- | .091- | 0 | .528 | ---- | ---- | 3 | UNCH | .111B | .070A |
| TOTAL | | | | | | | | | 34 | 273 + | 29 | | |
| MAR19 | | (FUTURES SETT. | 1.679 + | .2 ) | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | .020- | 0 | .167 | ---- | 17 | 95 + | 11 | .013 | .012 |
| 1550 | ---- | ---- | ---- | ---- | .032- | 0 | .241 | ---- | ---- | 6 | UNCH | .024 | .024 |
| 1575 | ---- | ---- | ---- | ---- | .039- | 0 | .281 | ---- | ---- | 7 | UNCH | ---- | .032A |
| 1600 | ---- | ---- | ---- | ---- | .048- | 0 | .326 | ---- | ---- | 38 | UNCH | ---- | .039A |
| 1650 | ---- | ---- | ---- | ---- | .068- | 0 | .419 | ---- | 17 | 108 + | 14 | ---- | .052A |
| 1675 | ---- | ---- | ---- | ---- | .080- | 0 | .467 | ---- | ---- | 7 | UNCH | ---- | .062A |
| 1700 | ---- | ---- | ---- | ---- | .093- | 0 | .516 | ---- | ---- | 3 | UNCH | ---- | .074A |
| TOTAL | | | | | | | | | 34 | 264 + | 25 | | |
| APR19 | | (FUTURES SETT. | 1.682 - | .2 ) | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | .020 | UNCH | .166 | ---- | ---- | 56 | UNCH | ---- | ---- |
| 1550 | ---- | ---- | ---- | ---- | .031- | 0 | .236 | ---- | ---- | 3 | UNCH | .043B | .034A |
| 1600 | ---- | ---- | ---- | ---- | .047- | 0 | .321 | ---- | ---- | 49 | UNCH | .062B | .044A |
| 1650 | ---- | ---- | ---- | ---- | .068- | 0 | .414 | ---- | ---- | 56 | UNCH | .086B | .054A |
| 1675 | ---- | ---- | ---- | ---- | .080- | 0 | .461 | ---- | ---- | 2 | UNCH | .100B | .065A |
| 1700 | ---- | ---- | ---- | ---- | .093- | 0 | .509 | ---- | ---- | 25 | UNCH | .108B | .077A |
| TOTAL | | | | | | | | | 0 | 191 | | | |
| MAY19 | | (FUTURES SETT. | 1.693 + | .3 ) | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | .021- | 0 | .164 | ---- | ---- | 167 | UNCH | .015 | .015 |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1550 | ---- | ---- | ---- | ---- | .032- | 0 | .230 | ---- | ---- | 3 | UNCH | ---- | .037A |
| 1600 | ---- | ---- | ---- | ---- | .048- | 0 | .310 | ---- | ---- | 59 | UNCH | ---- | .039A |
| 1650 | ---- | ---- | ---- | ---- | .068- | 0 | .396 | ---- | ---- | 56 | UNCH | .087B | .057A |
| 1700 | ---- | ---- | ---- | ---- | .092- | 0 | .486 | ---- | ---- | 25 | UNCH | .115B | .079A |
| TOTAL | | | | | | | | | 0 | 310 | | | |
| JUN19 | | (FUTURES SETT. | 1.702 + | .2 ) | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | .021- | 0 | .160 | ---- | ---- | 106 | UNCH | .015 | .015 |
| 1550 | ---- | ---- | ---- | ---- | .033- | 0 | .226 | ---- | ---- | 3 | UNCH | ---- | .028A |
| 1600 | ---- | ---- | ---- | ---- | .048- | 0 | .301 | ---- | ---- | 51 | UNCH | ---- | .041A |
| 1625 | ---- | ---- | ---- | ---- | .058- | 0 | .342 | ---- | ---- | 8 | UNCH | .057B | .049A |
| 1650 | ---- | ---- | ---- | ---- | .068- | 0 | .384 | ---- | ---- | 56 | UNCH | .067B | .059A |
| 1700 | ---- | ---- | ---- | ---- | .091- | 0 | .469 | ---- | ---- | 17 | UNCH | .111B | .081A |
| 1725 | ---- | ---- | ---- | ---- | .105- | 0 | .512 | ---- | ---- | 8 | UNCH | .106B | .093A |
| TOTAL | | | | | | | | | 0 | 249 | | | |

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## FINAL



BUTTER CS PUT

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | BUTTER CS PUT | (FUTURES SETT. | 236.475 + | 47.5 ) | | | | | | | | | | | |
| 1840 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | 3.000 | 3.000A |
| 2000 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | .775B | ---- |
| 2040 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | 1.175B | ---- |
| 2080 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 45 | UNCH | 3.750 | 3.250 |
| 2100 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | 5.000 | 4.500 |
| 2120 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 16 | UNCH | 4.900 | 3.550A |
| 2140 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 52 | UNCH | 2.625B | 1.600A |
| 2160 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | 3.125B | 1.875A |
| 2180 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 128 | UNCH | 1.925B | 1.800A |
| 2200 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 199 | UNCH | 8.750 | 2.150A |
| 2220 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | 2.925B | 1.025A |
| 2240 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 71 | UNCH | 4.650 | 1.300A |
| 2260 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 21 | UNCH | 7.750 | 1.525A |
| 2280 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 38 | UNCH | 4.775B | 1.875A |
| 2300 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 60 | UNCH | 5.775B | 2.075A |
| 2360 | ---- | ---- | ---- | ---- | | .150- | 20 | .273 | ---- | ---- | 41 | UNCH | 8.675B | .975A |
| 2380 | ---- | ---- | ---- | ---- | | 1.525- | 50 | .971 | ---- | ---- | 22 | UNCH | 9.900B | 1.250A |
| 2400 | ---- | ---- | ---- | ---- | | 3.525- | 47 | .999 | ---- | ---- | 52 | UNCH | 11.450B | 1.575A |
| TOTAL | | | | | | | | | | 0 | 975 | | | |
| JUL18 | BUTTER CS PUT | (FUTURES SETT. | 227.600 + | 22.5 ) | | | | | | | | | | |
| 1920 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | 1.000 | 1.000 |
| 2000 | ---- | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | ---- | ---- |
| 2060 | ---- | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 5 | UNCH | 4.000 | 4.000 |
| 2080 | ---- | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 15 | UNCH | 3.500 | 3.500 |
| 2100 | ---- | ---- | ---- | ---- | | CAB | ---- | .001 | ---- | ---- | 57 | UNCH | 4.500 | .700 |
| 2120 | ---- | ---- | ---- | ---- | | CAB | ---- | .005 | ---- | ---- | 10 | UNCH | 5.250 | 5.000 |
| 2140 | ---- | ---- | ---- | ---- | | .025 | UNCH | .010 | ---- | ---- | 55 | UNCH | .725B | ---- |
| 2160 | ---- | ---- | ---- | ---- | | .050 | UNCH | .020 | ---- | ---- | 68 | UNCH | 1.050 | 1.000 |
| 2180 | ---- | ---- | ---- | ---- | | .100 | UNCH | .040 | ---- | ---- | 78 | UNCH | 1.150B | 1.100 |
| 2200 | ---- | ---- | ---- | ---- | | .225- | 2 | .082 | ---- | 5 | 55 + | 3 | 1.425B | ---- |
| 2220 | ---- | ---- | ---- | ---- | | .450- | 7 | .149 | ---- | ---- | 177 | UNCH | 1.825B | .200 |
| 2240 | ---- | ---- | ---- | ---- | | .875- | 7 | .252 | ---- | ---- | 80 | UNCH | 2.225B | .625A |
| 2260 | ---- | ---- | ---- | ---- | | 1.525- | 12 | .381 | ---- | 30 | 115 + | 10 | 2.600B | 1.175A |
| 2280 | ---- | ---- | ---- | ---- | | 2.450- | 15 | .523 | ---- | ---- | 33 | UNCH | 3.125B | .975A |
| 2300 | ---- | ---- | ---- | ---- | | 3.650- | 17 | .662 | ---- | ---- | 134 | UNCH | 10.250 | 1.025A |
| 2320 | ---- | ---- | ---- | ---- | | 5.125- | 17 | .778 | ---- | ---- | 3 | UNCH | 4.925B | 1.225A |
| 2340 | ---- | ---- | ---- | ---- | | 6.775- | 20 | .869 | ---- | ---- | 45 | UNCH | 5.350B | 1.475A |
| 2360 | ---- | ---- | ---- | ---- | | 8.575- | 22 | .931 | ---- | ---- | 86 | UNCH | 8.500 | 1.750A |
| 2380 | ---- | ---- | ---- | ---- | | 10.475- | 22 | .967 | ---- | ---- | 27 | UNCH | 7.175B | 1.500 |
| 2400 | ---- | ---- | ---- | ---- | | 12.425- | 22 | .978 | ---- | ---- | 100 | UNCH | 9.400B | 2.375A |
| 2420 | ---- | ---- | ---- | ---- | | 14.400- | 22 | .989 | ---- | ---- | 12 | UNCH | 9.425B | 2.800A |
| 2440 | ---- | ---- | ---- | ---- | | 16.400- | 22 | .994 | ---- | ---- | 7 | UNCH | 15.600 | 3.300A |
| 2460 | ---- | ---- | ---- | ---- | | 18.400- | 22 | .997 | ---- | ---- | 32 | UNCH | 12.400B | 3.900A |
| 2480 | ---- | ---- | ---- | ---- | | 20.400- | 22 | .999 | ---- | ---- | 12 | UNCH | 13.425B | 4.125 |
| 2500 | ---- | ---- | ---- | ---- | | 22.400- | 22 | .999 | ---- | ---- | 10 | UNCH | 12.475B | 5.350A |
| TOTAL | | | | | | | | | | 35 | 1251 + | 13 | | |
| AUG18 | BUTTER CS PUT | (FUTURES SETT. | 229.500 + | 175.0 ) | | | | | | | | | | |
| 1940 | ---- | ---- | ---- | ---- | | .025 | UNCH | .004 | ---- | ---- | 5 | UNCH | 1.250 | 1.250 |
| 2000 | ---- | ---- | ---- | ---- | | .075- | 5 | .013 | ---- | ---- | 30 | UNCH | .050B | ---- |
| 2080 | ---- | ---- | ---- | ---- | | .375- | 15 | .056 | ---- | ---- | 16 | UNCH | 4.250 | 3.700 |
| 2100 | ---- | ---- | ---- | ---- | | .550- | 17 | .078 | ---- | ---- | 78 | UNCH | 4.250 | .800 |
| 2140 | ---- | ---- | ---- | ---- | | 1.000- | 27 | .129 | ---- | ---- | 59 | UNCH | 6.000 | 1.550 |
| 2160 | ---- | ---- | ---- | ---- | | 1.325- | 35 | .162 | ---- | ---- | 25 | UNCH | 1.700B | 1.575A |
| 2180 | ---- | ---- | ---- | ---- | | 1.725- | 42 | .200 | ---- | ---- | 11 | UNCH | 2.125B | 1.900A |
| 2200 | ---- | ---- | ---- | ---- | | 2.225- | 50 | .244 | ---- | 5 | 95 | UNCH | 2.625B | 1.450A |
| 2220 | ---- | ---- | ---- | ---- | | 2.800- | 57 | .290 | ---- | ---- | 145 | UNCH | 3.250B | 1.500 |
| 2240 | ---- | ---- | ---- | ---- | | 3.475- | 67 | .340 | ---- | ---- | 193 | UNCH | 3.750B | 1.750A |
| 2260 | ---- | ---- | ---- | ---- | | 4.250- | 77 | .392 | ---- | ---- | 65 | UNCH | 4.700B | 1.475A |
| 2280 | ---- | ---- | ---- | ---- | | 5.150- | 85 | .446 | ---- | 17 | 35 - | 10 | 5.450B | 1.700A |
| 2300 | ---- | ---- | ---- | ---- | | 6.125- | 97 | .500 | ---- | 10 | 236 | UNCH | 8.000 | 1.525A |
| 2320 | ---- | ---- | ---- | ---- | | 7.250- | 105 | .554 | ---- | ---- | 3 | UNCH | 7.525B | 1.775A |
| 2340 | ---- | ---- | ---- | ---- | | 8.450- | 112 | .607 | ---- | ---- | 96 | UNCH | 8.775B | 2.075A |
| 2360 | ---- | ---- | ---- | ---- | | 9.750- | 122 | .657 | ---- | ---- | 76 | UNCH | 10.100B | 2.450A |
| 2380 | ---- | ---- | ---- | ---- | | 11.150- | 130 | .704 | ---- | 17 | 11 - | 13 | 11.500B | 2.800A |
| 2400 | ---- | ---- | ---- | ---- | | 12.650- | 135 | .748 | ---- | ---- | 55 | UNCH | 9.825B | 3.250A |
| 2440 | ---- | ---- | ---- | ---- | | 15.850- | 147 | .824 | ---- | ---- | 7 | UNCH | 15.600 | 4.375A |
| 2460 | ---- | ---- | ---- | ---- | | 17.550- | 152 | .853 | ---- | ---- | 2 | UNCH | 11.525B | 5.025A |
| 2480 | ---- | ---- | ---- | ---- | | 19.300- | 157 | .881 | ---- | ---- | 10 | UNCH | 12.800B | 5.750A |
| TOTAL | | | | | | | | | | 49 | 1253 - | 23 | | |
| SEP18 | BUTTER CS PUT | (FUTURES SETT. | 231.500 + | 102.5 ) | | | | | | | | | | |
| 1940 | ---- | ---- | ---- | ---- | | .125+ | 2 | .016 | ---- | ---- | 5 | UNCH | 1.500 | 1.500 |
| 2000 | ---- | ---- | ---- | ---- | | .325+ | 2 | .038 | ---- | ---- | 30 | UNCH | .350B | ---- |
| 2080 | ---- | ---- | ---- | ---- | | .775- | 7 | .085 | ---- | ---- | 10 | UNCH | 1.025B | ---- |
| 2100 | ---- | ---- | ---- | ---- | | .950- | 15 | .102 | ---- | ---- | 70 | UNCH | 1.225B | ---- |
| 2140 | ---- | ---- | ---- | ---- | | 1.500- | 22 | .150 | ---- | ---- | 55 | UNCH | 1.875B | ---- |
| 2160 | ---- | ---- | ---- | ---- | | 1.875- | 27 | .179 | ---- | ---- | 15 | UNCH | 2.250B | ---- |
| 2180 | ---- | ---- | ---- | ---- | | 2.325- | 30 | .212 | ---- | ---- | 24 | UNCH | 3.000 | 3.000 |
| 2200 | ---- | ---- | ---- | ---- | | 2.875- | 30 | .248 | ---- | 5 | 113 + | 1 | 3.125B | 2.425A |
| 2220 | ---- | ---- | ---- | ---- | | 3.475- | 32 | .286 | ---- | ---- | 215 | UNCH | 3.775B | 2.150 |
| 2240 | ---- | ---- | ---- | ---- | | 4.150- | 35 | .325 | ---- | ---- | 127 | UNCH | 4.450B | 2.550 |
| 2260 | ---- | ---- | ---- | ---- | | 4.900- | 40 | .366 | ---- | ---- | 188 | UNCH | 5.175B | 3.375 |
| 2280 | ---- | ---- | ---- | ---- | | 5.750- | 42 | .408 | ---- | ---- | 10 | UNCH | 6.125B | 2.500A |
| 2300 | ---- | ---- | ---- | ---- | | 6.650- | 50 | .451 | ---- | ---- | 170 | UNCH | 11.750 | 2.875A |
| 2320 | ---- | ---- | ---- | ---- | | 7.650- | 55 | .494 | ---- | ---- | 13 | UNCH | 7.825B | 3.275A |
| 2340 | ---- | ---- | ---- | ---- | | 8.725- | 60 | .537 | ---- | ---- | 111 | UNCH | 9.100B | 3.750A |
| 2360 | ---- | ---- | ---- | ---- | | 9.900- | 65 | .580 | ---- | ---- | 58 | UNCH | 10.250B | 3.850A |
| 2380 | ---- | ---- | ---- | ---- | | 11.150- | 70 | .621 | ---- | ---- | 8 | UNCH | 11.500B | 4.325A |
| 2400 | ---- | ---- | ---- | ---- | | 12.500- | 70 | .660 | ---- | ---- | 29 | UNCH | 12.825B | 3.975 |
| 2440 | ---- | ---- | ---- | ---- | | 15.375- | 80 | .732 | ---- | ---- | 5 | UNCH | 15.750 | 6.100A |
| 2460 | ---- | ---- | ---- | ---- | | 16.925- | 80 | .764 | ---- | ---- | 2 | UNCH | 11.600B | 6.825A |
| TOTAL | | | | | | | | | | 5 | 1258 + | 1 | | |
| OCT18 | BUTTER CS PUT | (FUTURES SETT. | 234.475 + | 102.5 ) | | | | | | | | | | |
| 1900 | ---- | ---- | ---- | ---- | | .075 | UNCH | .009 | ---- | ---- | 5 | UNCH | 1.500 | 1.500 |
| 2100 | ---- | ---- | ---- | ---- | | 1.125- | 10 | .104 | ---- | ---- | 95 | UNCH | 1.425B | ---- |
| 2140 | ---- | ---- | ---- | ---- | | 1.675- | 17 | .145 | ---- | ---- | 9 | UNCH | 2.050B | ---- |
| 2160 | ---- | ---- | ---- | ---- | | 2.025- | 22 | .169 | ---- | ---- | 15 | UNCH | 2.400B | ---- |
| 2180 | ---- | ---- | ---- | ---- | | 2.450- | 25 | .197 | ---- | ---- | 3 | UNCH | 2.825B | ---- |
| 2200 | ---- | ---- | ---- | ---- | | 2.925- | 27 | .226 | ---- | 5 | 232 + | 3 | 3.275B | ---- |
| 2220 | ---- | ---- | ---- | ---- | | 3.475- | 30 | .257 | ---- | ---- | 113 | UNCH | 4.100 | 4.100 |
| 2240 | ---- | ---- | ---- | ---- | | 4.100- | 32 | .291 | ---- | ---- | 158 | UNCH | 4.425B | 3.500 |
| 2260 | ---- | ---- | ---- | ---- | | 4.775- | 37 | .325 | ---- | ---- | 63 | UNCH | 5.600 | 4.500 |
| 2280 | ---- | ---- | ---- | ---- | | 5.525- | 40 | .361 | ---- | ---- | 20 | UNCH | 5.825B | 5.825A |
| 2300 | ---- | ---- | ---- | ---- | | 6.350- | 45 | .398 | ---- | ---- | 272 | UNCH | 6.650B | 5.000 |
| 2320 | ---- | ---- | ---- | ---- | | 7.250- | 47 | .435 | ---- | ---- | 10 | UNCH | 7.550B | 4.150A |
| 2340 | ---- | ---- | ---- | ---- | | 8.225- | 52 | .473 | ---- | ---- | 30 | UNCH | 8.525B | 4.650A |
| 2360 | ---- | ---- | ---- | ---- | | 9.275- | 57 | .510 | ---- | ---- | 55 | UNCH | 9.550B | 4.675A |
| 2380 | ---- | ---- | ---- | ---- | | 10.400- | 60 | .547 | ---- | ---- | 3 | UNCH | 10.675B | 5.225A |
| 2400 | ---- | ---- | ---- | ---- | | 11.600- | 62 | .584 | ---- | ---- | 36 | UNCH | 11.850B | 5.850A |
| 2420 | ---- | ---- | ---- | ---- | | 12.875- | 65 | .619 | ---- | ---- | 2 | UNCH | 13.000 | 6.500 |
| TOTAL | | | | | | | | | | 5 | 1121 + | 3 | | |
| NOV18 | BUTTER CS PUT | (FUTURES SETT. | 235.500 + | 67.5 ) | | | | | | | | | | |
| 1940 | ---- | ---- | ---- | ---- | | .250- | 2 | .025 | ---- | ---- | 5 | UNCH | 2.500 | 2.500 |
| 2100 | ---- | ---- | ---- | ---- | | 1.525- | 10 | .121 | ---- | ---- | 35 | UNCH | .775B | ---- |
| 2140 | ---- | ---- | ---- | ---- | | 2.175- | 12 | .161 | ---- | ---- | 9 | UNCH | 1.150B | ---- |
| 2160 | ---- | ---- | ---- | ---- | | 2.575- | 15 | .184 | ---- | ---- | 15 | UNCH | 1.375B | ---- |
| 2180 | ---- | ---- | ---- | ---- | | 3.025- | 17 | .209 | ---- | ---- | 3 | UNCH | 2.925B | ---- |
| 2200 | ---- | ---- | ---- | ---- | | 3.550- | 17 | .236 | ---- | ---- | 170 | UNCH | 1.850B | ---- |
| 2220 | ---- | ---- | ---- | ---- | | 4.100- | 22 | .264 | ---- | ---- | 13 | UNCH | 3.925B | ---- |
| 2240 | ---- | ---- | ---- | ---- | | 4.750- | 22 | .294 | ---- | ---- | 60 | UNCH | 5.500 | 4.525 |
| 2260 | ---- | ---- | ---- | ---- | | 5.425- | 25 | .324 | ---- | ---- | 10 | UNCH | 2.900B | ---- |
| 2280 | ---- | ---- | ---- | ---- | | 6.175- | 27 | .356 | ---- | ---- | 20 | UNCH | 3.350B | 6.000A |
| 2300 | ---- | ---- | ---- | ---- | | 7.000- | 30 | .388 | ---- | ---- | 187 | UNCH | 12.500 | 6.000A |
| 2320 | ---- | ---- | ---- | ---- | | 7.900- | 30 | .421 | ---- | ---- | 10 | UNCH | 4.350B | 5.825A |
| 2340 | ---- | ---- | ---- | ---- | | 8.850- | 32 | .454 | ---- | ---- | 55 | UNCH | 4.975B | 6.450A |
| 2360 | ---- | ---- | ---- | ---- | | 9.850- | 37 | .488 | ---- | ---- | 55 | UNCH | 5.625B | 7.150A |
| 2380 | ---- | ---- | ---- | ---- | | 10.950- | 37 | .521 | ---- | ---- | 3 | UNCH | 6.350B | 7.900A |
| 2400 | ---- | ---- | ---- | ---- | | 12.100- | 40 | .553 | ---- | ---- | 101 | UNCH | 11.900B | 7.600 |
| TOTAL | | | | | | | | | | 0 | 751 | | | |
| DEC18 | BUTTER CS PUT | (FUTURES SETT. | 234.275 + | 87.5 ) | | | | | | | | | | |
| 1900 | ---- | ---- | ---- | ---- | | .275- | 2 | .026 | ---- | ---- | 5 | UNCH | 2.000 | 2.000 |
| 2100 | ---- | ---- | ---- | ---- | | 2.125- | 15 | .149 | ---- | ---- | 35 | UNCH | ---- | ---- |
| 2140 | ---- | ---- | ---- | ---- | | 2.925- | 20 | .191 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 2160 | ---- | ---- | ---- | ---- | | 3.400- | 22 | .215 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 2180 | ---- | ---- | ---- | ---- | | 3.925- | 25 | .240 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2200 | ---- | ---- | ---- | ---- | | 4.500- | 27 | .266 | ---- | ---- | 145 | UNCH | ---- | 3.925A |
| 2220 | ---- | ---- | ---- | ---- | | 5.150- | 27 | .294 | ---- | ---- | 8 | UNCH | ---- | 4.500A |
| 2240 | ---- | ---- | ---- | ---- | | 5.850- | 30 | .322 | ---- | ---- | 50 | UNCH | ---- | 5.025A |
| 2260 | ---- | ---- | ---- | ---- | | 6.600- | 32 | .352 | ---- | ---- | 10 | UNCH | ---- | 5.525A |
| 2280 | ---- | ---- | ---- | ---- | | 7.400- | 37 | .381 | ---- | ---- | 15 | UNCH | ---- | 6.125A |
| 2300 | ---- | ---- | ---- | ---- | | 8.275- | 40 | .412 | ---- | ---- | 142 | UNCH | ---- | 6.775A |
| 2320 | ---- | ---- | ---- | ---- | | 9.225- | 40 | .442 | ---- | ---- | 10 | UNCH | ---- | 7.500A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2340 | ---- | ---- | ---- | ---- | 10.225- | 42 | .473 | ---- | ---- | 55 | UNCH | ---- | 8.175A |
| 2360 | ---- | ---- | ---- | ---- | 11.275- | 47 | .504 | ---- | ---- | 55 | UNCH | ---- | 9.075A |
| 2380 | ---- | ---- | ---- | ---- | 12.400- | 47 | .534 | ---- | ---- | 5 | UNCH | 12.000 | 8.000 |
| 2400 | ---- | ---- | ---- | ---- | 13.575- | 52 | .564 | ---- | ---- | 187 | UNCH | 10.400 | 10.400 |
| TOTAL | | | | | | | | | 0 | 789 | | | |
| JAN19 | | (FUTURES SETT. | 230.875 | .0 ) | | | | | | | | | |
| 2200 | ---- | ---- | ---- | ---- | 5.800- | 2 | .316 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2240 | ---- | ---- | ---- | ---- | 7.325- | 2 | .373 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2260 | ---- | ---- | ---- | ---- | 8.200- | 2 | .403 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2300 | ---- | ---- | ---- | ---- | 10.100- | 2 | .463 | ---- | ---- | 120 | UNCH | ---- | ---- |
| 2340 | ---- | ---- | ---- | ---- | 12.225- | 2 | .523 | ---- | ---- | 50 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 275 | | | |
| FEB19 | | (FUTURES SETT. | 231.200 | .0 ) | | | | | | | | | |
| 2260 | ---- | ---- | ---- | ---- | 8.700- | 2 | .402 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| MAR19 | | (FUTURES SETT. | 235.500 | .0 ) | | | | | | | | | |
| 2260 | ---- | ---- | ---- | ---- | 7.825- | 2 | .351 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 5 | | | |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### BRITISH POUND CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | SEP18 | DEC18 |
|---|---|---|---|---|
| BRIT PND OPT (EUR) | 06/08 | 03/09 | 09/07 | 12/07 |

EXPIRATION:

### BRITISH POUND OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 |
|---|---|---|---|---|---|---|
| 1E | JUN18 | 802.5-995.0 | | 807.5-980.0 | 807.5-980.0 | 807.5-980.0 |
| | JUL18 | | 807.5-980.0 | 807.5-980.0 | 807.5-980.0 | |

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|
| RP | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| YB | 104.0-168.0 | 108.0-168.0 | | 107.5-168.5 | | | 108.0-169.0 | | | |

### BRITISH POUND FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| BRIT PND FUT | | | | | | | | | | |
| JUL18 | 1.3241 | 1.3242 | *1.3119A | 1.3138 | ( .7612) - 107 | ---- | 770 | 2195 - 192 | 1.4418B | 1.3119A |
| AUG18 | 1.3218 | 1.3239B | 1.3149A | 1.3156 | ( .7601) - 107 | ---- | 598 | 819 - 1 | 1.4436B | 1.3146 |
| SEP18 | 1.3271 | 1.3282 | 1.3154 | 1.3175 | ( .7590) - 107 | 743 | 130796 | 172603 + 7533 | 1.4463 | 1.2385A |
| OCT18 | 1.3180 | 1.3180 | *1.3180 | 1.3193 | ( .7580) - 107 | ---- | 2 | 75 - 1 | 1.3450B | 1.3180 |
| DEC18 | 1.3265 | 1.3265 | 1.3220 | 1.3231 | ( .7558) - 107 | ---- | 5 | 979 + 2 | 1.4494B | 1.2838 |
| MAR19 | ---- | ---- | ---- | 1.3293 | ( .7523) - 107 | ---- | ---- | 267 UNCH | 1.4590B | 1.3136A |
| JUN19 | ---- | ---- | ---- | 1.3354 | ( .7488) - 108 | ---- | ---- | 26 UNCH | 1.4624B | 1.3347A |
| TOTAL BRIT PND FUT | | | | | | 743 | 132171 | 176964 + 7341 | | |
| EC/BP CROSS RT | | | | | | | | | | |
| JUL18 | ---- | .8821B | ---- | .8809 | ( 1.1352) - 5 | ---- | ---- | 2 UNCH | .8846B | .8658A |
| AUG18 | ---- | .8829B | ---- | .8815 | ( 1.1344) - 5 | ---- | ---- | 34 UNCH | .8855B | .8667A |
| SEP18 | 0.8833 | .8850 | .8820A | .8826 | ( 1.1330) UNCH | 101 | 2678 | 33324 + 92 | .8868B | .8672A |
| TOTAL EC/BP CROSS RT | | | | | | 101 | 2678 | 33360 + 92 | | |

BRIT POUND (EU) FIXING PRICE: Oct18 1.3206

### ADDITIONAL BRITISH POUND FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| CHP FUT | | | | | | | | | | |
| JUL18 | .0015457 | .0015465B | .0015446A | .0015465 | ( 646.6214) -)000125 | ---- | 7 | 100 UNCH | .0016229B | .0015298A |
| AUG18 | .0015468 | .0015468 | *.0015446A | .0015465 | ( 646.6214) -)000126 | ---- | 7 | 254 + 7 | .0015943B | .0015446A |
| TOTAL CHP FUT | | | | | | 0 | 14 | 354 + 7 | | |
| CNH FUT | | | | | | | | | | |
| JUL18 | 6.6044 | #6.6288B | 6.5826A | 6.6224 | ( .1510) + 0.0335 | ---- | 30 | 85 + 6 | 6.6288B | 6.2686A |
| AUG18 | 6.5968 | #6.6365B | 6.5902A | 6.6310 | ( .1508) + 0.0346 | ---- | 74 | 45 + 30 | 6.6365B | 6.2837A |
| SEP18 | 6.6000 | 6.6471B | 6.5998A | 6.6414 | ( .1506) + 0.0363 | ---- | 183 | 477 + 23 | 6.8368B | 6.2877A |
| DEC18 | ---- | 6.6606B | 6.6247A | 6.6642 | ( .1501) + 0.0376 | ---- | ---- | 47 UNCH | 7.1742B | 6.3105A |
| MAR19 | ---- | 6.6815B | 6.6459A | 6.6852 | ( .1496) + 0.0378 | ---- | ---- | 6 UNCH | 6.8428B | 6.3306A |
| SEP19 | ---- | 6.7263B | ---- | 6.7253 | ( .1487) + 0.0369 | ---- | ---- | 1 UNCH | 7.1300B | 6.3798A |
| TOTAL CNH FUT | | | | | | 0 | 287 | 661 + 59 | | |
| INR/USD FUT | | | | | | | | | | |
| JUN18 | 146.110 | 146.250B | 145.860A | 145.930 | ( .0069) - 0.330 | ---- | 116 | 750 - 14 | 149.790B | 145.180 |
| JUL18 | 145.600 | 145.640B | *144.320A | 144.370 | ( .0069) - 0.930 | ---- | 4624 | 1080 + 493 | 148.750 | 144.320A |
| AUG18 | 143.710 | #143.710 | *143.710 | 143.690 | ( .0070) NEW | ---- | 1 | 1 + 1 | 143.710 | 143.710 |
| TOTAL INR/USD FUT | | | | | | 0 | 4741 | 1831 + 480 | | |
| MICRO INR/USD F | | | | | | | | | | |
| JUN18 | ---- | ---- | 145.870A | 145.930 | ( .0069) - 0.330 | ---- | ---- | 55 UNCH | 149.800B | 145.170A |
| JUL18 | 145.450 | 145.660B | *144.330A | 144.370 | ( .0069) - 0.930 | ---- | 323 | 585 + 148 | 148.750 | 144.330A |
| TOTAL MICRO INR/USD F | | | | | | 0 | 323 | 640 + 148 | | |

### BRITISH POUND CALLS **SETT.PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRIT PND-C EU | | | | | | | | | | | | |
| SEP18 | | (FUTURES SETT. | 1.3175 - | 107.0 ) | | | | | | | | |
| 1350 | ---- | ---- | ---- | 0.900N | .610- | 29 | .237 | ---- | ---- | 21 UNCH | 3.170 | 2.600 |
| 1360 | ---- | ---- | ---- | 0.630N | .420- | 21 | .175 | ---- | ---- | 33 UNCH | 2.870 | 2.150 |
| 1370 | ---- | ---- | ---- | 0.440N | .290- | 15 | .128 | ---- | ---- | 1 UNCH | 2.390 | 1.950 |
| 1400 | ---- | ---- | ---- | 0.150N | .090- | 6 | .045 | ---- | ---- | 1 UNCH | 2.050 | 2.050 |
| TOTAL | | | | | | | | | 0 | 56 | | |
| DEC18 | | (FUTURES SETT. | 1.3231 - | 107.0 ) | | | | | | | | |
| 1440 | ---- | ---- | ---- | 0.280N | .210+ | NEW | .066 | ---- | 1 | 1 + 1 | .250 | .250 |
| TOTAL | | | | | | | | | 1 | 1 + 1 | | |

** Option prices quoted per Daily Information Bulletin convention. For example, a British Pound option price of 1.960 on this page is equivalent to 1.960 x 0.01 = 0.0196 when the price is quoted in full. The cash price of the option is 0.0196 x 62,500 (contract size) = $1,225.00.**

### ADDITIONAL BRITISH POUND CALLS **SETT.PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GBU OPT - 2BP | | | | | | | | | | | | |
| JUL18 | | (FUTURES SETT. | 1.3138 - | 107.0 ) | | | | | | | | |
| 1235 | ---- | ---- | ---- | ---- | .08240- | 0.01070 | .999 | ---- | ---- | 1 UNCH | .11460B | .08040A |
| 1250 | ---- | ---- | ---- | ---- | .06750- | 0.01060 | .997 | ---- | 1 | 4 + 1 | .10310B | .06560A |
| 1255 | ---- | ---- | ---- | ---- | .06250- | 0.01060 | .994 | ---- | ---- | 1 UNCH | .09820B | .06070A |
| 1260 | ---- | ---- | ---- | ---- | .05760- | 0.01060 | .990 | ---- | 1 | 1 UNCH | .09320B | .05570A |
| 1265 | ---- | ---- | ---- | ---- | .05270- | 0.01050 | .982 | ---- | ---- | 2 UNCH | .08830B | .05080A |
| 1270 | ---- | ---- | ---- | ---- | .04780- | 0.01050 | .973 | ---- | ---- | 6 UNCH | .08340B | .04590A |
| 1275 | ---- | ---- | ---- | ---- | .04290- | 0.01050 | .958 | ---- | ---- | 6 UNCH | .07850B | .04110A |
| 1280 | ---- | ---- | ---- | ---- | .03810- | 0.01040 | .941 | ---- | ---- | 12 UNCH | .07360B | .03640A |
| 1285 | ---- | ---- | ---- | ---- | .03350- | 0.01010 | .918 | ---- | ---- | 9 UNCH | .06870B | .03170A |
| 1290 | ---- | ---- | ---- | ---- | .02890- | 0.00990 | .887 | ---- | ---- | 3 UNCH | .06390B | .02720A |
| 1295 | ---- | ---- | ---- | ---- | .02450- | 0.00960 | .845 | ---- | ---- | 1 UNCH | .05910B | .02300A |
| 1300 | ---- | ---- | ---- | ---- | .02040- | 0.00910 | .788 | ---- | ---- | 4 UNCH | .05440B | .01890A |
| 1305 | ---- | ---- | ---- | ---- | .01650- | 0.00860 | .721 | ---- | ---- | 1 UNCH | .04980B | .01520A |
| 1310 | ---- | ---- | ---- | ---- | .01300- | 0.00790 | .640 | ---- | ---- | 6 UNCH | .04530B | .01190A |

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# BRITISH POUND CALL OPTIONS



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## FINAL



GBU OPT - 2BP (FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1315 | ---- | ---- | ---- | ---- | .01000 | NEW | .550 | ---- | 3 | 3 | + | 3 | .04080B | .00890A |
| 1320 | ---- | ---- | ---- | ---- | .00740 | - 0.00600 | .455 | ---- | ---- | 12 | | UNCH | .03660B | .00660A |
| 1325 | ---- | ---- | ---- | ---- | .00530 | - 0.00500 | .361 | ---- | ---- | 5 | | UNCH | .03250B | .00470A |
| 1330 | ---- | ---- | ---- | ---- | .00370 | - 0.00390 | .276 | ---- | ---- | 18 | | UNCH | .02860B | .00330A |
| 1335 | ---- | ---- | ---- | ---- | .00250 | - 0.00300 | .202 | ---- | 35 | 118 | + | 34 | .02490B | .00220A |
| 1340 | ---- | ---- | ---- | ---- | .00170 | - 0.00220 | .145 | ---- | ---- | 732 | | UNCH | .02140B | .00150A |
| 1345 | ---- | ---- | ---- | ---- | .00110 | - 0.00160 | .099 | ---- | ---- | 1028 | | UNCH | .01840B | .00100A |
| 1350 | ---- | ---- | ---- | ---- | .00080 | - 0.00100 | .072 | ---- | ---- | 124 | | UNCH | .01550B | .00070A |
| 1355 | ---- | ---- | ---- | ---- | .00050 | - 0.00070 | .047 | ---- | ---- | 91 | | UNCH | .01300B | .00050A |
| 1360 | ---- | ---- | ---- | ---- | .00040 | - 0.00040 | .036 | ---- | 2 | 423 | - | 1 | .01070B | .00040 |
| 1365 | ---- | ---- | ---- | ---- | .00020 | - 0.00030 | .019 | ---- | ---- | 134 | | UNCH | .00870B | .00030A |
| 1370 | ---- | ---- | ---- | ---- | .00020 | - 0.00010 | .018 | ---- | ---- | 83 | | UNCH | .00710B | .00020A |
| 1375 | ---- | ---- | ---- | ---- | .00010 | - 0.00010 | .009 | ---- | ---- | 117 | | UNCH | .00570B | .00030A |
| 1380 | ---- | ---- | ---- | ---- | .00010 | UNCH | .005 | ---- | ---- | 243 | | UNCH | .00450B | .00020A |
| 1385 | ---- | ---- | ---- | ---- | .00010 | UNCH | .003 | ---- | ---- | 51 | | UNCH | .00360B | .00020A |
| 1390 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 11 | | UNCH | .00280B | .00020A |
| 1480 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 48 | | UNCH | .00010 | .00010 |
| TOTAL | | | | | | | | | 42 | 3298 | + | 37 | | |

GBU OPT - 3BP JUL18 (FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1265 | ---- | ---- | ---- | ---- | .05290 | - 0.01040 | .963 | ---- | ---- | 1 | | UNCH | .07150B | .05110A |
| 1275 | ---- | ---- | ---- | ---- | .04340 | - 0.01010 | .935 | ---- | ---- | 2 | | UNCH | .06160B | .04160A |
| 1300 | ---- | ---- | ---- | ---- | .02160 | - 0.00860 | .751 | ---- | ---- | 1 | | UNCH | .03800B | .02020A |
| 1315 | ---- | ---- | ---- | ---- | .01150 | - 0.00670 | .543 | ---- | ---- | 2 | | UNCH | .02520B | .01060A |
| 1320 | ---- | ---- | ---- | ---- | .00890 | - 0.00590 | .463 | ---- | ---- | 37 | | UNCH | .02130B | .00820A |
| 1325 | ---- | ---- | ---- | ---- | .00670 | - 0.00500 | .383 | ---- | 78 | 182 | + | 75 | .01780B | .00620A |
| 1330 | ---- | ---- | ---- | ---- | .00500 | - 0.00410 | .309 | ---- | 593 | 579 | + | 578 | .01460B | .00460A |
| 1335 | ---- | ---- | ---- | ---- | .00360 | - 0.00330 | .240 | ---- | 28 | 73 | - | 1 | .01170B | .00330A |
| 1340 | ---- | ---- | ---- | ---- | .00260 | NEW | .184 | ---- | 2 | 2 | + | 2 | .00920B | .00240A |
| 1345 | ---- | ---- | ---- | ---- | .00190 | - 0.00180 | .140 | ---- | ---- | 33 | | UNCH | .00720B | .00170A |
| 1350 | ---- | ---- | ---- | ---- | .00130 | - 0.00130 | .101 | ---- | 2 | 77 | + | 2 | .00540B | .00120A |
| 1360 | ---- | ---- | ---- | ---- | .00070 | - 0.00060 | .056 | ---- | ---- | 1 | | UNCH | .00310B | .00060A |
| 1375 | ---- | ---- | ---- | ---- | .00020 | - 0.00030 | .018 | ---- | ---- | 26 | | UNCH | .00130B | .00030A |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 16 | | UNCH | .00010 | .00010 |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 64 | | UNCH | .00010 | .00010 |
| TOTAL | | | | | | | | | 703 | 1096 | + | 656 | | |

GBU OPT - 4BP JUL18 (FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1240 | ---- | ---- | ---- | ---- | .07760 | - 0.01060 | .986 | ---- | ---- | 1 | | UNCH | .09310B | .07570A |
| 1265 | ---- | ---- | ---- | ---- | .05320 | - 0.01030 | .947 | ---- | ---- | 1 | | UNCH | .06840B | .05140A |
| 1320 | ---- | ---- | ---- | ---- | .01020 | NEW | .468 | ---- | 42 | 42 | + | 42 | .01960B | .00940A |
| 1325 | ---- | ---- | ---- | ---- | .00800 | - 0.00500 | .398 | ---- | ---- | 37 | | UNCH | .01650B | .00740A |
| 1330 | ---- | ---- | ---- | ---- | .00620 | - 0.00420 | .331 | ---- | 164 | 163 | + | 147 | .01360B | .00570A |
| 1335 | ---- | ---- | ---- | ---- | .00470 | - 0.00340 | .269 | ---- | ---- | 338 | | UNCH | .01090B | .00430A |
| 1340 | ---- | ---- | ---- | ---- | .00350 | NEW | .214 | ---- | 46 | 46 | + | 46 | .00860B | .00320A |
| 1460 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 16 | 32 | + | 16 | .00010 | .00010 |
| TOTAL | | | | | | | | | 268 | 660 | + | 251 | | |

GBU OPT - 5BP JUN18 (FUTURES SETT. .00)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1090 | ---- | ---- | ---- | ---- | .22750 | NEW | 1.000 | ---- | 1 | 1 | + | 1 | .24370B | .22560A |
| 1195 | ---- | ---- | ---- | ---- | .12250 | - 0.01070 | 1.000 | ---- | ---- | 1 | | UNCH | .13870B | .12060A |
| 1255 | ---- | ---- | ---- | ---- | .06250 | - 0.01070 | 1.000 | ---- | ---- | 1 | | UNCH | .09820B | .06040A |
| 1260 | ---- | ---- | ---- | ---- | .05750 | - 0.01070 | 1.000 | ---- | ---- | 1 | | UNCH | .09320B | .05540A |
| 1265 | ---- | ---- | ---- | ---- | .05250 | - 0.01070 | 1.000 | ---- | ---- | 3 | | UNCH | .08820B | .05050A |
| 1270 | ---- | ---- | ---- | ---- | .04750 | - 0.01070 | 1.000 | ---- | ---- | 4 | | UNCH | .08330B | .04550A |
| 1275 | ---- | ---- | ---- | ---- | .04250 | - 0.01070 | 1.000 | ---- | 1 | 6 | - | 1 | .07830B | .04060A |
| 1280 | ---- | ---- | ---- | ---- | .03750 | - 0.01070 | .999 | ---- | ---- | 4 | | UNCH | .07340B | .03560A |
| 1285 | ---- | ---- | ---- | ---- | .03250 | - 0.01070 | .999 | ---- | 1 | 9 | - | 1 | .06840B | .03060A |
| 1290 | ---- | ---- | ---- | ---- | .02750 | - 0.01070 | .998 | ---- | ---- | 4 | | UNCH | .06350B | .02570A |
| 1295 | ---- | ---- | ---- | ---- | .02260 | - 0.01060 | .992 | ---- | ---- | 6 | | UNCH | .05870B | .02080A |
| 1300 | ---- | ---- | ---- | ---- | .01780 | - 0.01040 | .970 | ---- | ---- | 2 | | UNCH | .05380B | .01600A |
| 1305 | ---- | ---- | ---- | ---- | .01310 | - 0.01020 | .928 | ---- | ---- | 12 | | UNCH | .04900B | .01150A |
| 1310 | ---- | ---- | ---- | ---- | .00890 | - 0.00960 | .814 | ---- | ---- | 2 | | UNCH | .04430B | .00750A |
| 1315 | ---- | ---- | ---- | ---- | .00530 | - 0.00860 | .623 | ---- | 21 | 14 | + | 10 | .03970B | .00430A |
| 1320 | ---- | ---- | ---- | ---- | .00270 | - 0.00690 | .375 | ---- | 7 | 37 | + | 5 | .03530B | .00220 |
| 1325 | ---- | ---- | ---- | ---- | .00120 | - 0.00480 | .170 | ---- | 45 | 275 | + | 20 | .03090B | .00100A |
| 1330 | ---- | ---- | ---- | ---- | .00050 | - 0.00290 | .062 | ---- | 160 | 1570 | - | 30 | .02680B | .00040A |
| 1335 | ---- | ---- | ---- | ---- | .00020 | - 0.00150 | .019 | ---- | 66 | 963 | + | 43 | .02300B | .00020A |
| 1340 | ---- | ---- | ---- | ---- | .00010 | - 0.00070 | .007 | ---- | 163 | 1961 | + | 89 | .01940B | .00010 |
| 1345 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | 46 | 755 | + | 46 | .01610B | .00010A |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 23 | 372 | + | 23 | .01320B | .00020A |
| 1355 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 74 | | UNCH | .01070B | .00010A |
| 1360 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 66 | | UNCH | .00850B | .00010A |
| 1365 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 42 | | UNCH | .00660B | .00030A |
| 1370 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 57 | | UNCH | .00510B | .00040A |

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# BRITISH POUND CALL OPTIONS



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## FINAL



GBU OPT - 5BP (FUTURES SETT. .00)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 178 | UNCH | .00390 | .00030A |
| 1380 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 191 | UNCH | .00300B | .00020A |
| 1385 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 29 | UNCH | .00220B | .00030A |
| 1390 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | .00170B | .00020A |
| 1395 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | .00130 | .00020A |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 8 | UNCH | .00100B | .00030A |
| 1410 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 22 | UNCH | .00060B | .00040A |
| 1430 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .00020 | .00020 |
| 1460 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 36 | UNCH | .00010 | .00010 |
| 1470 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 60 | UNCH | .00010 | .00010 |
| TOTAL | | | | | | | | | 534 | 6817 | + 205 | | |

GBU OPT - GBU JUL18 (FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1125 | ---- | ---- | ---- | .20310N | .19240 | - 0.01070 | 1.000 | ---- | ---- | 12 | UNCH | .28900B | .27900A |
| 1165 | ---- | ---- | ---- | .16310N | .15240 | - 0.01070 | 1.000 | ---- | ---- | 7 | UNCH | .25900B | .22770A |
| 1170 | ---- | ---- | ---- | .15810N | .14740 | - 0.01070 | 1.000 | ---- | ---- | 5 | UNCH | .25410B | .22300A |
| 1175 | ---- | ---- | ---- | .15310N | .14240 | - 0.01070 | 1.000 | ---- | ---- | 3 | UNCH | .24920B | .20780A |
| 1180 | ---- | ---- | ---- | .14810N | .13740 | - 0.01070 | 1.000 | ---- | ---- | 3 | UNCH | .24430B | .20290A |
| 1185 | ---- | ---- | ---- | .14310N | .13240 | - 0.01070 | 1.000 | ---- | ---- | 3 | UNCH | .23940B | .19800A |
| 1190 | ---- | ---- | ---- | .13810N | .12740 | - 0.01070 | 1.000 | ---- | ---- | 3 | UNCH | .23450B | .19320A |
| 1195 | ---- | ---- | ---- | .13310N | .12240 | - 0.01070 | 1.000 | ---- | ---- | 3 | UNCH | .22960B | .18830A |
| 1225 | ---- | ---- | ---- | .10310N | .09250 | - 0.01060 | 1.000 | ---- | ---- | 7 | UNCH | .20040B | .09030A |
| 1230 | ---- | ---- | ---- | .09810N | .08750 | - 0.01060 | .999 | ---- | ---- | 7 | UNCH | .19570B | .08540A |
| 1235 | ---- | ---- | ---- | .09310N | .08250 | - 0.01060 | .999 | ---- | ---- | 5 | UNCH | .19090B | .08040A |
| 1240 | ---- | ---- | ---- | .08820N | .07750 | - 0.01070 | .999 | ---- | ---- | 26 | UNCH | .18610B | .07540A |
| 1245 | ---- | ---- | ---- | .08320N | .07250 | - 0.01070 | .999 | ---- | ---- | 24 | UNCH | .18220B | .07040A |
| 1250 | ---- | ---- | ---- | .07820N | .06750 | - 0.01070 | .999 | ---- | ---- | 59 | UNCH | .17720B | .06540A |
| 1255 | ---- | ---- | ---- | .07320N | .06250 | - 0.01070 | .999 | ---- | ---- | 17 | UNCH | .17230B | .06050A |
| 1260 | ---- | ---- | ---- | .06820N | .05750 | - 0.01070 | .997 | ---- | ---- | 60 | UNCH | .17210B | .05560A |
| 1265 | ---- | ---- | ---- | .06320N | .05250 | - 0.01070 | .995 | ---- | ---- | 23 | UNCH | .16720B | .05070A |
| 1270 | ---- | ---- | ---- | .05820N | .04760 | - 0.01060 | .990 | ---- | ---- | 19 | UNCH | .16230B | .04570A |
| 1275 | ---- | ---- | ---- | .05330N | .04260 | - 0.01070 | .981 | ---- | ---- | 49 | UNCH | .15880B | .04080A |
| 1280 | ---- | ---- | ---- | .04830N | .03770 | - 0.01060 | .971 | ---- | ---- | 41 | UNCH | .15390B | .03590A |
| 1285 | ---- | ---- | ---- | .04340N | .03290 | - 0.01050 | .960 | ---- | ---- | 20 | UNCH | .14910B | .03110A |
| 1290 | ---- | ---- | ---- | .03850N | .02810 | - 0.01040 | .939 | ---- | ---- | 12 | UNCH | .14420B | .02640A |
| 1295 | ---- | ---- | ---- | .03360N | .02350 | - 0.01010 | .901 | ---- | ---- | 15 | UNCH | .13930B | .02180A |
| 1300 | ---- | ---- | ---- | .02880N | .01910 | - 0.00970 | .847 | ---- | ---- | 7 | UNCH | .13450B | .01750A |
| 1305 | ---- | ---- | ---- | .02410N | .01500 | - 0.00910 | .773 | ---- | ---- | 7 | UNCH | .12970B | .01360A |
| 1310 | ---- | ---- | ---- | .01960N | .01130 | - 0.00830 | .678 | ---- | 100 | 252 | + 89 | .12490B | .01000A |
| 1315 | ---- | ---- | ---- | .01540N | .00810 | - 0.00730 | .564 | ---- | 3 | 44 | + 3 | .12360B | .00710A |
| 1320 | ---- | ---- | ---- | .01160N | .00550 | - 0.00610 | .439 | ---- | 25 | 172 | + 5 | .11870B | .00480A |
| 1325 | ---- | ---- | ---- | .00840N | .00350 | - 0.00490 | .318 | ---- | 199 | 343 | + 133 | .12160B | .00310 |
| 1330 | ---- | ---- | ---- | .00580N | .00220 | - 0.00360 | .216 | ---- | 144 | 561 | + 7 | .11670B | .00180 |
| 1335 | ---- | ---- | ---- | .00380N | .00130 | - 0.00250 | .137 | ---- | 53 | 702 | + 2 | .11180B | .00110 |
| 1340 | ---- | ---- | ---- | .00240N | .00070 | - 0.00170 | .079 | ---- | 456 | 1226 | + 178 | .10700B | .00070 |
| 1345 | ---- | ---- | ---- | .00140N | .00040 | - 0.00100 | .046 | ---- | 43 | 1061 | - 29 | .10220B | .00040A |
| 1350 | ---- | ---- | ---- | .00090N | .00030 | - 0.00060 | .033 | ---- | 29 | 2331 | + 28 | .09760B | .00030A |
| 1355 | ---- | ---- | ---- | .00050N | .00010 | - 0.00040 | .012 | ---- | ---- | 1764 | UNCH | .09280B | .00020A |
| 1360 | ---- | ---- | ---- | .00030N | .00010 | - 0.00020 | .005 | ---- | 10 | 1629 | UNCH | .08810B | .00020A |
| 1365 | ---- | ---- | ---- | .00020N | .00010 | - 0.00010 | .002 | ---- | ---- | 2457 | UNCH | .08340B | .00010A |
| 1370 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | 11 | 872 | + 1 | .07880B | .00010 |
| 1375 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | ---- | 542 | UNCH | .07420B | .00010A |
| 1380 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 24 | 2021 | - 24 | .06960B | .00010 |
| 1385 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 728 | UNCH | .06520B | .00010 |
| 1390 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 1 | 298 | - 1 | .06080B | .00010 |
| 1395 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 430 | UNCH | .05650B | .00010 |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 352 | UNCH | .05230B | .00010 |
| 1405 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 836 | UNCH | .04820B | .00010 |
| 1410 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1375 | UNCH | .04430B | .00010 |
| 1415 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 486 | UNCH | .04050B | .00030A |
| 1420 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 264 | UNCH | .03690B | .00040A |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 291 | UNCH | .03370B | .00020A |
| 1430 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 481 | UNCH | .03170B | .00030 |
| 1435 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 76 | UNCH | .02930B | .00020 |
| 1440 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 215 | UNCH | .02700B | .00030A |
| 1445 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 129 | UNCH | .02490B | .00030A |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 57 | UNCH | .02280B | .00030A |
| 1455 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 54 | UNCH | .02100B | .00020 |
| 1460 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 212 | UNCH | .01920B | .00010 |
| 1465 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 49 | UNCH | .01760B | .00010 |
| 1470 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 165 | UNCH | .01610B | .00010 |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 95 | UNCH | .01470B | .00020 |

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# BRITISH POUND CALL OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



GBU OPT - GBU

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (FUTURES SETT. 1.3138 - 107.0 ) | | | | | | | | | | | | | |
| 1480 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 174 | UNCH | .01340B | .00010 |
| 1485 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 54 | UNCH | .01230B | .00030A |
| 1490 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 65 | UNCH | .01120B | .00010 |
| 1495 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 61 | UNCH | .00990B | .00020 |
| 1500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 16 | UNCH | .00900B | .00020 |
| 1505 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 51 | UNCH | .00820B | .00010A |
| 1510 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 9 | UNCH | .00750B | .00010A |
| 1515 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | .00680B | .00030 |
| 1520 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | .00620B | .00020A |
| 1525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 45 | UNCH | .00560B | .00010 |
| 1530 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 70 | UNCH | .00510B | .00040A |
| 1540 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | .00430B | .00030A |
| 1550 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | UNCH | .00360B | .00040 |
| 1580 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | UNCH | .00200B | .00030A |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | .00140B | .00050A |
| 1655 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | .00060B | ---- |
| TOTAL | | | | | | | | | 1098 | 23627 | + 392 | | |
| AUG18 | | (FUTURES SETT. 1.3156 - 107.0 ) | | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | .12790N | .11730 | - 0.01060 | .998 | ---- | ---- | 2 | UNCH | .12350B | .11520A |
| 1205 | ---- | ---- | ---- | .12300N | .11230 | - 0.01070 | .997 | ---- | ---- | 1 | UNCH | .12100B | .11020A |
| 1210 | ---- | ---- | ---- | .11800N | .10740 | - 0.01060 | .996 | ---- | ---- | 8 | UNCH | .13760B | .10530A |
| 1215 | ---- | ---- | ---- | .11310N | .10240 | - 0.01070 | .995 | ---- | ---- | 2 | UNCH | .13260B | .10040A |
| 1220 | ---- | ---- | ---- | .10810N | .09740 | - 0.01070 | .993 | ---- | 1 | 5 | UNCH | .12980B | .09540A |
| 1225 | ---- | ---- | ---- | .10310N | .09250 | - 0.01060 | .987 | ---- | ---- | 9 | UNCH | .12480B | .09050A |
| 1230 | ---- | ---- | ---- | .09820N | .08750 | - 0.01070 | .987 | ---- | 2 | 5 | + 1 | .11990B | .08560A |
| 1235 | ---- | ---- | ---- | .09320N | .08260 | - 0.01060 | .981 | ---- | 1 | 1 | UNCH | .13280B | .08070A |
| 1240 | ---- | ---- | ---- | .08830N | .07770 | - 0.01060 | .980 | ---- | 1 | 4 | - 1 | .12790B | .07580A |
| 1245 | ---- | ---- | ---- | .08330N | .07280 | - 0.01050 | .974 | ---- | ---- | 3 | UNCH | .12980B | .07090A |
| 1250 | ---- | ---- | ---- | .07840N | .06800 | - 0.01040 | .964 | ---- | 1 | 1 | - 1 | .13570B | .06610A |
| 1255 | ---- | ---- | ---- | .07350N | .06310 | - 0.01040 | .953 | ---- | ---- | 3 | UNCH | .13080B | .06130A |
| 1260 | ---- | ---- | ---- | .06860N | .05840 | - 0.01020 | .942 | ---- | ---- | 5 | UNCH | .14770B | .05660A |
| 1265 | ---- | ---- | ---- | .06380N | .05370 | - 0.01010 | .926 | ---- | ---- | 3 | UNCH | .14290B | .05190A |
| 1270 | ---- | ---- | ---- | .05900N | .04900 | - 0.01000 | .910 | ---- | ---- | 2 | UNCH | .16070B | .04730A |
| 1275 | ---- | ---- | ---- | .05430N | .04450 | - 0.00980 | .886 | ---- | ---- | 3 | UNCH | .15580B | .04280A |
| 1280 | ---- | ---- | ---- | .04960N | .04010 | - 0.00950 | .862 | ---- | ---- | 4 | UNCH | .15090B | .03840A |
| 1285 | ---- | ---- | ---- | .04500N | .03580 | - 0.00920 | .830 | ---- | ---- | 7 | UNCH | .15310B | .03420A |
| 1290 | ---- | ---- | ---- | .04060N | .03160 | - 0.00900 | .793 | ---- | ---- | 4 | UNCH | .14830B | .03010A |
| 1295 | ---- | ---- | ---- | .03620N | .02770 | - 0.00850 | .752 | ---- | ---- | 7 | UNCH | .14500B | .02630A |
| 1300 | ---- | ---- | ---- | .03210N | .02390 | - 0.00820 | .704 | ---- | ---- | 181 | UNCH | .14630B | .02260A |
| 1305 | ---- | ---- | ---- | .02810N | .02050 | - 0.00760 | .652 | ---- | ---- | 98 | UNCH | .14140B | .01930A |
| 1310 | ---- | ---- | ---- | .02430N | .01720 | - 0.00710 | .596 | ---- | 70 | 600 | + 60 | .13660B | .01620A |
| 1315 | ---- | ---- | ---- | .02080N | .01430 | - 0.00650 | .535 | ---- | 329 | 328 | + 193 | .13170B | .01340A |
| 1320 | ---- | ---- | ---- | .01750N | .01170 | - 0.00580 | .473 | ---- | 319 | 553 | + 208 | .12690B | .01090A |
| 1325 | ---- | ---- | ---- | .01460N | .00950 | - 0.00510 | .411 | ---- | 143 | 222 | + 140 | .12210B | .00880A |
| 1330 | ---- | ---- | ---- | .01200N | .00750 | - 0.00450 | .350 | ---- | 8 | 88 | - 3 | .11730B | .00700A |
| 1335 | ---- | ---- | ---- | .00970N | .00590 | - 0.00380 | .294 | ---- | 25 | 374 | + 1 | .11250B | .00540 |
| 1340 | ---- | ---- | ---- | .00770N | .00460 | - 0.00310 | .242 | ---- | 276 | 1031 | + 241 | .10780B | .00430A |
| 1345 | ---- | ---- | ---- | .00610N | .00360 | - 0.00250 | .198 | ---- | 146 | 770 | + 104 | .10310B | .00330A |
| 1350 | ---- | ---- | ---- | .00480N | .00270 | - 0.00210 | .158 | ---- | 132 | 1490 | + 86 | .09870B | .00240 |
| 1355 | ---- | ---- | ---- | .00370N | .00210 | - 0.00160 | .127 | ---- | 48 | 1204 | + 38 | .09400B | .00190A |
| 1360 | ---- | ---- | ---- | .00280N | .00160 | - 0.00120 | .100 | ---- | 42 | 2146 | + 24 | .08940B | .00150A |
| 1365 | ---- | ---- | ---- | .00220N | .00120 | - 0.00100 | .077 | ---- | 16 | 1663 | + 4 | .08490B | .00110A |
| 1370 | ---- | ---- | ---- | .00170N | .00090 | - 0.00080 | .060 | ---- | 20 | 793 | + 10 | .08040B | .00090A |
| 1375 | ---- | ---- | ---- | .00130N | .00070 | - 0.00060 | .047 | ---- | 3 | 397 | UNCH | .07590B | .00070A |
| 1380 | ---- | ---- | ---- | .00100N | .00050 | - 0.00050 | .035 | ---- | ---- | 251 | UNCH | .07160B | .00050A |
| 1385 | ---- | ---- | ---- | .00070N | .00040 | - 0.00030 | .028 | ---- | 31 | 613 | UNCH | .06730B | .00040A |
| 1390 | ---- | ---- | ---- | .00060N | .00030 | - 0.00030 | .021 | ---- | 6 | 601 | - 6 | .06300B | .00040 |
| 1395 | ---- | ---- | ---- | .00040N | .00020 | - 0.00020 | .015 | ---- | ---- | 118 | UNCH | .05890B | .00030A |
| 1400 | ---- | ---- | ---- | .00030N | .00020 | - 0.00010 | .014 | ---- | 1 | 137 | UNCH | .05490B | .00030 |
| 1405 | ---- | ---- | ---- | .00030N | .00010 | - 0.00020 | .007 | ---- | ---- | 124 | UNCH | .05110B | .00020A |
| 1410 | ---- | ---- | ---- | .00020N | .00010 | - 0.00010 | .005 | ---- | 39 | 258 | + 3 | .04730B | .00020 |
| 1415 | ---- | ---- | ---- | .00020N | .00010 | - 0.00010 | .003 | ---- | 6 | 33 | - 6 | .04370B | .00030A |
| 1420 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .002 | ---- | 5 | 87 | UNCH | .04020B | .00020 |
| 1425 | ---- | ---- | ---- | .00010N | CAB | ---- | .001 | ---- | ---- | 22 | UNCH | .03690B | .00020A |
| 1430 | ---- | ---- | ---- | .00010N | CAB | ---- | .001 | ---- | 6 | 33 | - 6 | .03370B | .00010 |
| 1435 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | ---- | 35 | UNCH | .03070B | .00040 |
| 1440 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 2 | 76 | UNCH | .02790B | .00010 |
| 1445 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 14 | UNCH | .02530B | .00030A |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 16 | UNCH | .02280B | .00040A |
| 1455 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 50 | UNCH | .02060B | .00020A |
| 1460 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 22 | UNCH | .01850B | .00050A |
| 1465 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 15 | UNCH | .01660B | .00030A |

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# BRITISH POUND CALL OPTIONS



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## FINAL



GBU OPT - GBU

(FUTURES SETT. 1.3156 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1470 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 76 | | UNCH | .01480B | .00020 |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 3 | | UNCH | .01320B | .00040A |
| 1480 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 3 | | UNCH | .01180B | .00050A |
| 1485 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | | UNCH | .01050B | .00030A |
| 1490 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH | .00930B | .00030A |
| 1520 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | | UNCH | .00450B | .00030 |
| TOTAL | | | | | | | | | 1679 | 14619 | + | 1090 | | |

SEP18 (FUTURES SETT. 1.3175 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1225 | ---- | ---- | ---- | .10350N | .09310 | - 0.01040 | .958 | ---- | ---- | 5 | | UNCH | .20770B | .09120A |
| 1230 | ---- | ---- | ---- | .09860N | .08830 | - 0.01030 | .953 | ---- | ---- | 7 | | UNCH | .20280B | .08640A |
| 1235 | ---- | ---- | ---- | .09380N | .08350 | - 0.01030 | .945 | ---- | ---- | 12 | | UNCH | .19790B | .08170A |
| 1240 | ---- | ---- | ---- | .08890N | .07880 | - 0.01010 | .934 | ---- | ---- | 18 | | UNCH | .19300B | .07700A |
| 1245 | ---- | ---- | ---- | .08420N | .07410 | - 0.01010 | .923 | ---- | ---- | 14 | | UNCH | .18830B | .07240A |
| 1250 | ---- | ---- | ---- | .07940N | .06950 | - 0.00990 | .912 | ---- | ---- | 10 | | UNCH | .18340B | .06780A |
| 1255 | ---- | ---- | ---- | .07470N | .06490 | - 0.00980 | .897 | ---- | ---- | 9 | | UNCH | .18240B | .06320A |
| 1260 | ---- | ---- | ---- | .07010N | .06040 | - 0.00970 | .880 | ---- | ---- | 12 | | UNCH | .17750B | .05880A |
| 1265 | ---- | ---- | ---- | .06550N | .05600 | - 0.00950 | .860 | ---- | ---- | 3 | | UNCH | .18030B | .05440A |
| 1270 | ---- | ---- | ---- | .06090N | .05160 | - 0.00930 | .840 | ---- | ---- | 4 | | UNCH | .17550B | .05010A |
| 1275 | ---- | ---- | ---- | .05650N | .04740 | - 0.00910 | .815 | ---- | ---- | 7 | | UNCH | .17070B | .04590A |
| 1280 | ---- | ---- | ---- | .05220N | .04330 | - 0.00890 | .789 | ---- | ---- | 2 | | UNCH | .16580B | .04190A |
| 1285 | ---- | ---- | ---- | .04790N | .03940 | - 0.00850 | .759 | ---- | ---- | 1 | | UNCH | .16090B | .03800A |
| 1290 | ---- | ---- | ---- | .04380N | .03550 | - 0.00830 | .728 | ---- | ---- | 7 | | UNCH | .15610B | .03420A |
| 1295 | ---- | ---- | ---- | .03980N | .03190 | - 0.00790 | .692 | ---- | ---- | 1 | | UNCH | .15120B | .03060A |
| 1300 | ---- | ---- | ---- | .03600N | .02840 | - 0.00760 | .654 | ---- | 4 | 6 | + | 3 | .14640B | .02720A |
| 1305 | ---- | ---- | ---- | .03230N | .02510 | - 0.00720 | .614 | ---- | ---- | 20 | | UNCH | .14160B | .02400A |
| 1310 | ---- | ---- | ---- | .02880N | .02210 | - 0.00670 | .572 | ---- | 1 | 93 | | UNCH | .13690B | .02100A |
| 1315 | ---- | ---- | ---- | .02550N | .01920 | - 0.00630 | .529 | ---- | 20 | 89 | + | 19 | .13210B | .01830A |
| 1320 | ---- | ---- | ---- | .02240N | .01660 | - 0.00580 | .484 | ---- | 2 | 129 | | UNCH | .12730B | .01580A |
| 1325 | ---- | ---- | ---- | .01960N | .01430 | - 0.00530 | .439 | ---- | 20 | 294 | + | 20 | .12270B | .01360A |
| 1330 | ---- | ---- | ---- | .01700N | .01220 | - 0.00480 | .395 | ---- | 10 | 156 | + | 10 | .11790B | .01160A |
| 1335 | ---- | ---- | ---- | .01460N | .01030 | - 0.00430 | .351 | ---- | ---- | 183 | | UNCH | .11320B | .00980A |
| 1340 | ---- | ---- | ---- | .01250N | .00870 | - 0.00380 | .310 | ---- | 5 | 144 | | UNCH | .10870B | .00830A |
| 1345 | ---- | ---- | ---- | .01060N | .00730 | - 0.00330 | .272 | ---- | 5 | 207 | - | 5 | .10410B | .00690A |
| 1350 | ---- | ---- | ---- | .00900N | .00610 | - 0.00290 | .237 | ---- | 10 | 361 | + | 10 | .09990B | .00580A |
| 1355 | ---- | ---- | ---- | .00750N | .00510 | - 0.00240 | .205 | ---- | 5 | 142 | | UNCH | .09540B | .00480A |
| 1360 | ---- | ---- | ---- | .00630N | .00420 | - 0.00210 | .175 | ---- | 14 | 118 | + | 14 | .09100B | .00390 |
| 1365 | ---- | ---- | ---- | .00520N | .00350 | - 0.00170 | .150 | ---- | 24 | 1041 | + | 4 | .08650B | .00330A |
| 1370 | ---- | ---- | ---- | .00440N | .00290 | - 0.00150 | .128 | ---- | ---- | 154 | | UNCH | .08220B | .00270A |
| 1375 | ---- | ---- | ---- | .00360N | .00240 | - 0.00120 | .109 | ---- | ---- | 156 | | UNCH | .07790B | .00230A |
| 1380 | ---- | ---- | ---- | .00300N | .00200 | - 0.00100 | .092 | ---- | ---- | 248 | | UNCH | .07370B | .00190A |
| 1385 | ---- | ---- | ---- | .00250N | .00160 | - 0.00090 | .076 | ---- | ---- | 462 | | UNCH | .06950B | .00160A |
| 1390 | ---- | ---- | ---- | .00210N | .00140 | - 0.00070 | .067 | ---- | 4 | 990 | + | 4 | .06550B | .00130A |
| 1395 | ---- | ---- | ---- | .00170N | .00110 | - 0.00060 | .054 | ---- | 51 | 186 | + | 33 | .06160B | .00110A |
| 1400 | ---- | ---- | ---- | .00150N | .00090 | - 0.00060 | .045 | ---- | 1 | 289 | | UNCH | .06100B | .00100 |
| 1405 | ---- | ---- | ---- | .00120N | .00080 | - 0.00040 | .040 | ---- | ---- | 147 | | UNCH | .05770B | .00080A |
| 1410 | ---- | ---- | ---- | .00100N | .00070 | - 0.00030 | .035 | ---- | 6 | 299 | + | 6 | .05810B | .00070A |
| 1415 | ---- | ---- | ---- | .00090N | .00060 | - 0.00030 | .030 | ---- | ---- | 158 | | UNCH | .05470B | .00060A |
| 1420 | ---- | ---- | ---- | .00070N | .00050 | - 0.00020 | .025 | ---- | ---- | 342 | | UNCH | .05150B | .00060A |
| 1425 | ---- | ---- | ---- | .00060N | .00050 | - 0.00010 | .024 | ---- | ---- | 428 | | UNCH | .04840B | .00050A |
| 1430 | ---- | ---- | ---- | .00050N | .00040 | - 0.00010 | .020 | ---- | ---- | 318 | | UNCH | .04540B | .00040A |
| 1435 | ---- | ---- | ---- | .00050N | .00040 | - 0.00010 | .019 | ---- | ---- | 50 | | UNCH | .04260B | .00040A |
| 1440 | ---- | ---- | ---- | .00040N | .00030 | - 0.00010 | .015 | ---- | ---- | 246 | | UNCH | .03980B | .00030A |
| 1445 | ---- | ---- | ---- | .00030N | .00030 | UNCH | .014 | ---- | 38 | 81 | + | 34 | .03720B | .00040A |
| 1450 | ---- | ---- | ---- | .00030N | .00020 | - 0.00010 | .010 | ---- | ---- | 228 | | UNCH | .03470B | .00030A |
| 1455 | ---- | ---- | ---- | .00030N | .00020 | - 0.00010 | .010 | ---- | ---- | 93 | | UNCH | .03230B | .00030 |
| 1460 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .009 | ---- | ---- | 139 | | UNCH | .03010B | .00030A |
| 1465 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .009 | ---- | ---- | 45 | | UNCH | .02790B | .00030A |
| 1470 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .009 | ---- | ---- | 265 | | UNCH | .02590B | .00040A |
| 1475 | ---- | ---- | ---- | .00020N | .00010 | - 0.00010 | .005 | ---- | ---- | 109 | | UNCH | .02400B | .00020A |
| 1480 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .004 | ---- | ---- | 113 | | UNCH | .02230B | .00020A |
| 1485 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .003 | ---- | ---- | 98 | | UNCH | .02060B | .00020 |
| 1490 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .002 | ---- | ---- | 310 | | UNCH | .01910B | .00050 |
| 1495 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .002 | ---- | ---- | 40 | | UNCH | .01760B | .00040A |
| 1500 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .001 | ---- | ---- | 55 | | UNCH | .01630B | .00040 |
| 1505 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .001 | ---- | ---- | 15 | | UNCH | .01510B | .00040A |
| 1510 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .000 | ---- | ---- | 20 | | UNCH | .01400B | .00020 |
| 1515 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .000 | ---- | ---- | 8 | | UNCH | .01290B | .00070A |
| 1520 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .000 | ---- | ---- | 100 | | UNCH | .01190B | .00010 |
| 1525 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .000 | ---- | ---- | 4 | | UNCH | .01100B | .00080A |
| 1530 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | ---- | 37 | | UNCH | .01020B | .00050 |
| 1535 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | ---- | 10 | | UNCH | .00940B | .00060A |
| 1540 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | .00870B | .00050A |

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# BRITISH POUND CALL OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



GBU OPT - GBU

(FUTURES SETT. 1.3175 - 107.0 )

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1550 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .00740B | .00050A |
| 1555 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 45 | UNCH | .00690B | .00050A |
| 1560 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 25 | UNCH | .00640B | .00020 |
| 1575 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 80 | UNCH | .00500B | .00110A |
| 1590 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 22 | UNCH | .00390B | .00090A |
| 1595 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 33 | UNCH | .00360B | .00080A |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 122 | UNCH | .00340B | .00070 |
| 1605 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 13 | UNCH | .00320B | .00080A |
| 1610 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .00290B | .00070A |
| 1615 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 41 | UNCH | .00280B | .00080A |
| 1620 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 22 | UNCH | .00260B | .00060A |
| 1625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | .00240B | .00070A |
| 1630 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 61 | UNCH | .00230B | .00100A |
| 1640 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | .00200B | .00090A |
| 1645 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .00160B | .00040 |
| 1655 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 21 | UNCH | .00140 | .00030 |
| TOTAL | | | | | | | | | 220 | 10060 | + 152 | | |

OCT18

(FUTURES SETT. 1.3193 - 107.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1190 | ---- | ---- | ---- | .14360N | .13310 | - 0.01050 | .975 | ---- | ---- | 1 | UNCH | .18290B | .13330A |
| 1270 | ---- | ---- | ---- | .06800N | .05880 | - 0.00920 | .821 | ---- | ---- | 1 | UNCH | .10750B | .05730A |
| 1275 | ---- | ---- | ---- | .06370N | .05460 | - 0.00910 | .801 | ---- | ---- | 1 | UNCH | .10290B | .05310A |
| 1280 | ---- | ---- | ---- | .05940N | .05060 | - 0.00880 | .779 | ---- | ---- | 1 | UNCH | .09870B | .04910A |
| 1290 | ---- | ---- | ---- | .05120N | .04280 | - 0.00840 | .727 | ---- | ---- | 2 | UNCH | .08980B | .04150A |
| 1295 | ---- | ---- | ---- | .04720N | .03910 | - 0.00810 | .699 | ---- | ---- | 11 | UNCH | .08540B | .03780A |
| 1300 | ---- | ---- | ---- | .04330N | .03560 | - 0.00770 | .668 | ---- | ---- | 5 | UNCH | .08100B | .03440A |
| 1315 | ---- | ---- | ---- | .03260N | .02600 | - 0.00660 | .567 | ---- | ---- | 25 | UNCH | .06850B | .02500A |
| 1320 | ---- | ---- | ---- | .02940N | .02320 | - 0.00620 | .531 | ---- | ---- | 2 | UNCH | .06450B | .02220A |
| 1325 | ---- | ---- | ---- | .02640N | .02050 | NEW | .493 | ---- | 5 | 5 | + 5 | .06050B | .01970A |
| 1335 | ---- | ---- | ---- | .02100N | .01580 | - 0.00520 | .418 | ---- | ---- | 8 | UNCH | .05300B | .01520A |
| 1340 | ---- | ---- | ---- | .01860N | .01380 | - 0.00480 | .382 | ---- | ---- | 50 | UNCH | .04940B | .01330A |
| 1345 | ---- | ---- | ---- | .01640N | .01200 | - 0.00440 | .346 | ---- | 400 | 464 | + 395 | .04590B | .01160A |
| 1350 | ---- | ---- | ---- | .01440N | .01040 | - 0.00400 | .312 | ---- | ---- | 22 | UNCH | .04260B | .01010A |
| 1355 | ---- | ---- | ---- | .01250N | .00900 | - 0.00350 | .280 | ---- | ---- | 18 | UNCH | .03940B | .00870A |
| 1360 | ---- | ---- | ---- | .01090N | .00780 | - 0.00310 | .250 | ---- | ---- | 23 | UNCH | .03630B | .00760A |
| 1365 | ---- | ---- | ---- | .00950N | .00680 | - 0.00270 | .224 | ---- | ---- | 13 | UNCH | .03350B | .00650A |
| 1370 | ---- | ---- | ---- | .00820N | .00580 | - 0.00240 | .197 | ---- | ---- | 10 | UNCH | .03070B | .00560A |
| 1375 | ---- | ---- | ---- | .00710N | .00500 | - 0.00210 | .174 | ---- | ---- | 14 | UNCH | .02810B | .00480A |
| 1380 | ---- | ---- | ---- | .00620N | .00430 | - 0.00190 | .154 | ---- | ---- | 44 | UNCH | .02560B | .00420A |
| 1385 | ---- | ---- | ---- | .00530N | .00370 | - 0.00160 | .135 | ---- | ---- | 54 | UNCH | .02340B | .00360A |
| 1390 | ---- | ---- | ---- | .00460N | .00310 | - 0.00150 | .117 | ---- | ---- | 79 | UNCH | .02120B | .00310A |
| 1415 | ---- | ---- | ---- | .00220N | .00150 | - 0.00070 | .060 | ---- | ---- | 24 | UNCH | .01270B | .00150A |
| 1420 | ---- | ---- | ---- | .00190N | .00130 | - 0.00060 | .053 | ---- | ---- | 34 | UNCH | .01140B | .00130A |
| 1425 | ---- | ---- | ---- | .00170N | .00120 | - 0.00050 | .048 | ---- | ---- | 25 | UNCH | .01020B | .00120A |
| 1430 | ---- | ---- | ---- | .00140N | .00100 | - 0.00040 | .041 | ---- | ---- | 20 | UNCH | .00920B | .00110A |
| 1440 | ---- | ---- | ---- | .00100N | .00080 | - 0.00020 | .033 | ---- | ---- | 19 | UNCH | .00740B | .00080A |
| 1445 | ---- | ---- | ---- | .00090N | .00070 | - 0.00020 | .029 | ---- | ---- | 72 | UNCH | .00660B | .00070A |
| 1465 | ---- | ---- | ---- | .00050N | .00040 | - 0.00010 | .017 | ---- | ---- | 17 | UNCH | .00430B | .00060A |
| 1475 | ---- | ---- | ---- | .00040N | .00030 | - 0.00010 | .013 | ---- | ---- | 19 | UNCH | .00340B | .00060A |
| 1535 | ---- | ---- | ---- | .00020N | .00010 | - 0.00010 | .002 | ---- | ---- | 576 | UNCH | .00110B | .00030 |
| TOTAL | | | | | | | | | 405 | 1659 | + 400 | | |

DEC18

(FUTURES SETT. 1.3231 - 107.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1140 | ---- | ---- | ---- | .19270N | .18220 | - 0.01050 | .979 | ---- | ---- | 1 | UNCH | .24860B | .18050A |
| 1150 | ---- | ---- | ---- | .18290N | .17250 | - 0.01040 | .976 | ---- | ---- | 1 | UNCH | .23870B | .17080A |
| 1155 | ---- | ---- | ---- | .17800N | .16760 | - 0.01040 | .971 | ---- | ---- | 2 | UNCH | .25530B | .16600A |
| 1170 | ---- | ---- | ---- | .16350N | .15320 | - 0.01030 | .961 | ---- | ---- | 1 | UNCH | .24080B | .15160A |
| 1175 | ---- | ---- | ---- | .15870N | .14840 | - 0.01030 | .958 | ---- | ---- | 4 | UNCH | .23590B | .14690A |
| 1180 | ---- | ---- | ---- | .15380N | .14360 | - 0.01020 | .954 | ---- | ---- | 1 | UNCH | .23100B | .14210A |
| 1195 | ---- | ---- | ---- | .13950N | .12940 | - 0.01010 | .938 | ---- | ---- | 1 | UNCH | .21650B | .12800A |
| 1255 | ---- | ---- | ---- | .08460N | .07550 | - 0.00910 | .819 | ---- | ---- | 1 | UNCH | .16470B | .07400A |
| 1310 | ---- | ---- | ---- | .04170N | .03500 | - 0.00670 | .584 | ---- | ---- | 10 | UNCH | .10980B | .03390A |
| 1315 | ---- | ---- | ---- | .03840N | .03210 | - 0.00630 | .556 | ---- | ---- | 10 | UNCH | .10550B | .03110A |
| 1320 | ---- | ---- | ---- | .03530N | .02930 | - 0.00600 | .528 | ---- | ---- | 31 | UNCH | .10120B | .02840A |
| 1325 | ---- | ---- | ---- | .03240N | .02670 | - 0.00570 | .499 | ---- | ---- | 21 | UNCH | .09700B | .02590A |
| 1330 | ---- | ---- | ---- | .02960N | .02420 | - 0.00540 | .470 | ---- | ---- | 11 | UNCH | .09280B | .02350A |
| 1335 | ---- | ---- | ---- | .02700N | .02190 | - 0.00510 | .441 | ---- | ---- | 22 | UNCH | .08980B | .02130A |
| 1340 | ---- | ---- | ---- | .02460N | .01980 | - 0.00480 | .412 | ---- | ---- | 51 | UNCH | .08580B | .01920A |
| 1345 | ---- | ---- | ---- | .02230N | .01780 | - 0.00450 | .384 | ---- | ---- | 16 | UNCH | .10010B | .01740A |
| 1350 | ---- | ---- | ---- | .02020N | .01600 | - 0.00420 | .356 | ---- | ---- | 10 | UNCH | .10010B | .01560A |
| 1355 | ---- | ---- | ---- | .01820N | .01440 | - 0.00380 | .330 | ---- | ---- | 5 | UNCH | .10040B | .01410A |
| 1360 | ---- | ---- | ---- | .01640N | .01290 | - 0.00350 | .304 | ---- | 25 | 141 | + 25 | .10000B | .01260 |
| 1365 | ---- | ---- | ---- | .01480N | .01150 | - 0.00330 | .279 | ---- | ---- | 29 | UNCH | .09670B | .01130A |
| 1370 | ---- | ---- | ---- | .01330N | .01030 | - 0.00300 | .256 | ---- | ---- | 6 | UNCH | .09250B | .01010A |
| 1375 | ---- | ---- | ---- | .01190N | .00920 | - 0.00270 | .235 | ---- | ---- | 16 | UNCH | .08850B | .00900A |

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## FINAL



GBU OPT - GBU

(FUTURES SETT. 1.3231 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1380 | ---- | ---- | ---- | .01060N | .00820 | - | 0.00240 | .214 | ---- | ---- | 646 | UNCH | | .08450B | .00800A |
| 1385 | ---- | ---- | ---- | .00950N | .00730 | - | 0.00220 | .195 | ---- | ---- | 253 | UNCH | | .08060B | .00720A |
| 1390 | ---- | ---- | ---- | .00850N | .00650 | - | 0.00200 | .177 | ---- | ---- | 49 | UNCH | | .07680B | .00640A |
| 1395 | ---- | ---- | ---- | .00760N | .00580 | - | 0.00180 | .161 | ---- | 6 | 103 | UNCH | | .07300B | .00570 |
| 1400 | ---- | ---- | ---- | .00680N | .00520 | - | 0.00160 | .147 | ---- | ---- | 657 | UNCH | | .07110B | .00510A |
| 1405 | ---- | ---- | ---- | .00610N | .00460 | - | 0.00150 | .132 | ---- | 15 | 33 | + | 15 | .06770B | .00450A |
| 1410 | ---- | ---- | ---- | .00540N | .00410 | - | 0.00130 | .120 | ---- | ---- | 65 | UNCH | | .06800B | .00410A |
| 1415 | ---- | ---- | ---- | .00480N | .00360 | - | 0.00120 | .107 | ---- | ---- | 15 | UNCH | | .06470B | .00360A |
| 1420 | ---- | ---- | ---- | .00430N | .00320 | - | 0.00110 | .097 | ---- | ---- | 419 | UNCH | | .06140B | .00330A |
| 1425 | ---- | ---- | ---- | .00390N | .00290 | - | 0.00100 | .088 | ---- | ---- | 36 | UNCH | | .05830B | .00290A |
| 1430 | ---- | ---- | ---- | .00350N | .00260 | - | 0.00090 | .080 | ---- | 1 | 184 | UNCH | | .05520B | .00260A |
| 1435 | ---- | ---- | ---- | .00310N | .00230 | - | 0.00080 | .072 | ---- | ---- | 19 | UNCH | | .05230B | .00240A |
| 1440 | ---- | ---- | ---- | .00280N | .00210 | - | 0.00070 | .066 | ---- | 4 | 112 | UNCH | | .04940B | .00200 |
| 1445 | ---- | ---- | ---- | .00250N | .00190 | - | 0.00060 | .060 | ---- | ---- | 10 | UNCH | | .04670B | .00190A |
| 1450 | ---- | ---- | ---- | .00220N | .00170 | - | 0.00050 | .054 | ---- | ---- | 57 | UNCH | | .04400B | .00170A |
| 1455 | ---- | ---- | ---- | .00200N | .00150 | - | 0.00050 | .048 | ---- | ---- | 15 | UNCH | | .04150B | .00160A |
| 1460 | ---- | ---- | ---- | .00180N | .00140 | - | 0.00040 | .045 | ---- | ---- | 1223 | UNCH | | .03910B | .00140A |
| 1465 | ---- | ---- | ---- | .00160N | .00130 | - | 0.00030 | .041 | ---- | ---- | 22 | UNCH | | .03670B | .00130A |
| 1470 | ---- | ---- | ---- | .00140N | .00110 | - | 0.00030 | .036 | ---- | ---- | 1 | UNCH | | .03450B | .00120A |
| 1475 | ---- | ---- | ---- | .00130N | .00100 | - | 0.00030 | .033 | ---- | ---- | 45 | UNCH | | .03240B | .00110A |
| 1480 | ---- | ---- | ---- | .00120N | .00090 | - | 0.00030 | .030 | ---- | ---- | 53 | UNCH | | .03040B | .00100A |
| 1485 | ---- | ---- | ---- | .00100N | .00090 | - | 0.00010 | .029 | ---- | ---- | 5 | UNCH | | .02840B | .00090A |
| 1490 | ---- | ---- | ---- | .00090N | .00080 | - | 0.00010 | .026 | ---- | ---- | 260 | UNCH | | .02660B | .00080A |
| 1495 | ---- | ---- | ---- | .00090N | .00070 | - | 0.00020 | .023 | ---- | ---- | 261 | UNCH | | .02490B | .00080A |
| 1500 | ---- | ---- | ---- | .00080N | .00060 | - | 0.00020 | .020 | ---- | ---- | 45 | UNCH | | .02330B | .00070A |
| 1505 | ---- | ---- | ---- | .00070N | .00060 | - | 0.00010 | .019 | ---- | ---- | 15 | UNCH | | .02180B | .00060A |
| 1510 | ---- | ---- | ---- | .00070N | .00050 | - | 0.00020 | .017 | ---- | ---- | 2 | UNCH | | .02040B | .00060A |
| 1515 | ---- | ---- | ---- | .00060N | .00050 | - | 0.00010 | .016 | ---- | ---- | 14 | UNCH | | .01910B | .00050A |
| 1520 | ---- | ---- | ---- | .00060N | .00040 | - | 0.00020 | .013 | ---- | ---- | 46 | UNCH | | .01790B | .00050A |
| 1530 | ---- | ---- | ---- | .00050N | .00040 | - | 0.00010 | .013 | ---- | ---- | 5 | UNCH | | .01560B | .00040A |
| 1580 | ---- | ---- | ---- | .00020N | .00020 | | UNCH | .006 | ---- | ---- | 20 | UNCH | | .00750B | .00040 |
| 1600 | ---- | ---- | ---- | .00020N | .00010 | - | 0.00010 | .002 | ---- | ---- | 8 | UNCH | | .00600 | .00080A |
| 1610 | ---- | ---- | ---- | .00010N | .00010 | | UNCH | .001 | ---- | ---- | 45 | UNCH | | .00490B | .00200A |
| 1660 | ---- | ---- | ---- | .00010N | .00010 | | UNCH | .000 | ---- | ---- | 12 | UNCH | | .00290 | .00160A |
| 1665 | ---- | ---- | ---- | .00010N | .00010 | | UNCH | .000 | ---- | ---- | 1 | UNCH | | .00160B | .00070A |
| 1685 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 3 | UNCH | | .00170 | .00050A |
| TOTAL | | | | | | | | | | 51 | 5150 | + | 40 | | |

MAR19

(FUTURES SETT. 1.3293 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1360 | ---- | ---- | ---- | .02570N | .02110 | - | 0.00460 | .372 | ---- | ---- | 10 | UNCH | | .05660B | .02120A |
| 1365 | ---- | ---- | ---- | .02370N | .01940 | - | 0.00430 | .350 | ---- | ---- | 5 | UNCH | | .05350B | .01960A |
| 1370 | ---- | ---- | ---- | .02190N | .01780 | - | 0.00410 | .329 | ---- | ---- | 10 | UNCH | | .05060B | .01800A |
| 1375 | ---- | ---- | ---- | .02020N | .01630 | - | 0.00390 | .309 | ---- | ---- | 7 | UNCH | | .06970B | .01650A |
| 1380 | ---- | ---- | ---- | .01860N | .01500 | - | 0.00360 | .289 | ---- | ---- | 5 | UNCH | | .07560B | .01520A |
| 1405 | ---- | ---- | ---- | .01220N | .00960 | - | 0.00260 | .204 | ---- | ---- | 4 | UNCH | | .07440B | .00970A |
| 1415 | ---- | ---- | ---- | .01030N | .00800 | - | 0.00230 | .176 | ---- | ---- | 5 | UNCH | | .06920B | .00810A |
| 1440 | ---- | ---- | ---- | .00660N | .00510 | - | 0.00150 | .120 | ---- | ---- | 48 | UNCH | | .05370B | .00520A |
| 1450 | ---- | ---- | ---- | .00550N | .00430 | - | 0.00120 | .103 | ---- | ---- | 1 | UNCH | | .04820B | .00440A |
| 1460 | ---- | ---- | ---- | .00460N | .00360 | - | 0.00100 | .088 | ---- | ---- | 260 | UNCH | | .04310B | .00380A |
| 1475 | ---- | ---- | ---- | .00360N | .00280 | - | 0.00080 | .070 | ---- | ---- | 260 | UNCH | | .03660B | .00290A |
| 1530 | ---- | ---- | ---- | .00150N | .00120 | - | 0.00030 | .031 | ---- | ---- | 5 | UNCH | | .01790B | .00130A |
| 1560 | ---- | ---- | ---- | .00100N | .00080 | - | 0.00020 | .021 | ---- | ---- | 260 | UNCH | | .01210B | .00090A |
| TOTAL | | | | | | | | | | 0 | 880 | | | | |

JUN19

(FUTURES SETT. 1.3354 - 108.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1350 | ---- | ---- | ---- | .03950N | .03440 | - | 0.00510 | .459 | ---- | ---- | 128 | UNCH | | .05090B | .03390A |
| 1475 | ---- | ---- | ---- | .00710N | .00570 | - | 0.00140 | .113 | ---- | ---- | 5 | UNCH | | .00700 | .00700 |
| 1480 | ---- | ---- | ---- | .00660N | .00540 | - | 0.00120 | .107 | ---- | ---- | 5 | UNCH | | .00700 | .00700 |
| 1500 | ---- | ---- | ---- | .00510N | .00410 | - | 0.00100 | .084 | ---- | ---- | 5 | UNCH | | .00700 | .00700A |
| TOTAL | | | | | | | | | | 0 | 143 | | | | |

WGB OPT - WG1

JUL18

(FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1250 | ---- | ---- | ---- | ---- | 6.75000 | - | 1.07000 | 1.000 | ---- | ---- | 1 | UNCH | | 10.01000 | 6.54000A |
| 1275 | ---- | ---- | ---- | ---- | 4.25000 | - | 1.07000 | .998 | ---- | ---- | 2 | UNCH | | 7.52000B | 4.07000A |
| 1280 | ---- | ---- | ---- | ---- | 3.75000 | - | 1.07000 | .995 | ---- | ---- | 3 | UNCH | | 7.02000B | 3.57000A |
| 1285 | ---- | ---- | ---- | ---- | 3.26000 | - | 1.06000 | .988 | ---- | ---- | 2 | UNCH | | 6.53000B | 3.08000A |
| 1290 | ---- | ---- | ---- | ---- | 2.77000 | - | 1.05000 | .976 | ---- | ---- | 1 | UNCH | | 6.04000B | 2.59000A |
| 1320 | ---- | ---- | ---- | ---- | .40000 | | NEW | .418 | ---- | 43 | 43 | + | 43 | 3.25000B | .34000A |
| 1325 | ---- | ---- | ---- | ---- | .22000 | - | 0.50000 | .264 | ---- | 65 | 220 | + | 63 | 2.83000B | .19000A |
| 1330 | ---- | ---- | ---- | ---- | .11000 | - | 0.34000 | .145 | ---- | 40 | 479 | - | 40 | 2.44000B | .10000A |
| 1335 | ---- | ---- | ---- | ---- | .05000 | - | 0.21000 | .070 | ---- | 2 | 106 | | UNCH | 2.07000B | .05000A |
| 1340 | ---- | ---- | ---- | ---- | .02000 | - | 0.12000 | .028 | ---- | ---- | 236 | UNCH | | 1.74000B | .03000A |
| 1345 | ---- | ---- | ---- | ---- | .01000 | - | 0.06000 | .013 | ---- | ---- | 34 | UNCH | | 1.43000B | .02000A |
| 1350 | ---- | ---- | ---- | ---- | CAB | | ---- | .004 | ---- | ---- | 17 | UNCH | | 1.17000B | .01000A |
| 1355 | ---- | ---- | ---- | ---- | CAB | | ---- | .001 | ---- | ---- | 99 | UNCH | | .93000B | .01000A |
| 1360 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 65 | UNCH | | .74000B | .01000A |

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# BRITISH POUND CALL OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



WGB OPT - WG1
JUL18 (FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1275 | ---- | ---- | ---- | ---- | 4.28000- | 1.04000 | .971 | ---- | ---- | 1 | UNCH | 6.14000B | 4.10000A |
| 1295 | ---- | ---- | ---- | ---- | 2.41000- | 0.97000 | .864 | ---- | ---- | 1 | UNCH | 4.19000B | 2.25000A |
| 1320 | ---- | ---- | ---- | ---- | .67000- | 0.61000 | .450 | ---- | ---- | 6 | UNCH | 2.01000B | .59000A |
| 1330 | ---- | ---- | ---- | ---- | .31000- | 0.38000 | .256 | ---- | ---- | 338 | UNCH | 1.35000B | .27000A |
| TOTAL | | | | | | | | | 0 | 346 | | | |

WGB OPT - WG3
JUL18 (FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1320 | ---- | ---- | ---- | ---- | .84000- | 0.58000 | .461 | ---- | ---- | 36 | UNCH | 2.08000B | .76000A |
| 1330 | ---- | ---- | ---- | ---- | .45000- | 0.40000 | .297 | ---- | ---- | 7 | UNCH | 1.40000B | .41000A |
| TOTAL | | | | | | | | | 0 | 43 | | | |

WGB OPT - WG4
JUN18 (FUTURES SETT. .00)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1320 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | ---- | 10 | 3.50000B | .01000A |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | ---- | 42 | 3.06000B | .01000 |
| TOTAL | | | | | | | | | | 27 | 0 | - 1611 | | |

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# BRITISH POUND PUT OPTIONS

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28 Side 01

## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### BRITISH POUND PUTS **SETT.PRICE**

| STRIKE | OPEN | RANGE | HIGH | LOW | CLOSING | RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRIT PND-P EU | | | | | | | | | | | | | | | |
| SEP18 | | | (FUTURES SETT. | 1.3175 - | 107.0 ) | | | | | | | | | | |
| 1260 | ---- | | ---- | ---- | 0.210N | | .310+ | 10 | .119 | ---- | ---- | 1 | UNCH | 2.000 | 2.000 |
| 1300 | ---- | | ---- | ---- | 0.790N | | 1.100+ | 31 | .345 | ---- | ---- | 2 | UNCH | 3.050 | 1.570 |
| 1320 | ---- | | ---- | ---- | 1.430N | | 1.910+ | 48 | .515 | ---- | ---- | 2 | UNCH | 3.680 | 1.100 |
| 1330 | ---- | | ---- | ---- | 1.880N | | 2.460+ | 58 | .604 | ---- | ---- | 3 | UNCH | 1.230 | 1.220 |
| 1380 | ---- | | ---- | ---- | 5.460N | | 6.430+ | 97 | .907 | ---- | ---- | 1 | UNCH | .950 | .950 |
| TOTAL | | | | | | | | | | | 0 | 9 | | | |
| DEC18 | | | (FUTURES SETT. | 1.3231 - | 107.0 ) | | | | | | | | | | |
| 1250 | ---- | | ---- | ---- | 0.590N | | .730+ | 14 | .165 | ---- | ---- | 8 | UNCH | .810 | .810 |
| 1260 | ---- | | ---- | ---- | 0.710N | | .880+ | 17 | .195 | ---- | ---- | 2 | UNCH | .420 | .420 |
| 1280 | ---- | | ---- | ---- | 1.040N | | 1.280+ | 24 | .269 | ---- | ---- | 1 | UNCH | .820 | .820 |
| 1330 | ---- | | ---- | ---- | 2.590N | | 3.100+ | 51 | .529 | ---- | ---- | 8 | UNCH | 1.620 | 1.560 |
| 1340 | ---- | | ---- | ---- | 3.070N | | 3.650+ | 58 | .587 | ---- | ---- | 5 | UNCH | 1.840 | 1.810 |
| 1360 | ---- | | ---- | ---- | 4.240N | | 4.950+ | 71 | .695 | ---- | ---- | 7 | UNCH | 2.810 | 2.330 |
| 1400 | ---- | | ---- | ---- | 7.240N | | 8.140+ | 90 | .852 | ---- | ---- | 1 | UNCH | 4.170B | 4.100B |
| TOTAL | | | | | | | | | | | 0 | 32 | | | |

** Option prices quoted per Daily Information Bulletin convention. For example, a British Pound option price of 1.960 on this page is equivalent to 1.960 x 0.01 = 0.0196 when the price is quoted in full. The cash price of the option is 0.0196 x 62,500 (contract size) = $1,225.00.**

### ADDITIONAL BRITISH POUND PUTS **SETT.PRICE**

| STRIKE | OPEN | RANGE | HIGH | LOW | CLOSING | RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GBU OPT | | | | | | | | | | | | | | | |
| JUN18 | | | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 1270 | ---- | | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 32 | UNCH | .00020B | .00010 |
| 1290 | ---- | | ---- | ---- | ---- | | CAB | ---- | .001 | ---- | ---- | 8 | UNCH | .00180 | .00020A |
| 1295 | ---- | | ---- | ---- | ---- | | .00010+ | 0.00010 | .007 | ---- | ---- | 23 | UNCH | .00240B | .00010 |
| 1300 | ---- | | ---- | ---- | ---- | | .00030+ | 0.00020 | .029 | ---- | 100 | 95 + | 86 | .00210B | .00010A |
| 1305 | ---- | | ---- | ---- | ---- | | .00060+ | 0.00050 | .071 | ---- | 66 | 64 + | 24 | .00400B | .00020A |
| 1310 | ---- | | ---- | ---- | ---- | | .00140+ | 0.00110 | .185 | ---- | ---- | 167 | UNCH | .00460B | .00030A |
| 1315 | ---- | | ---- | ---- | ---- | | .00280+ | 0.00210 | .376 | ---- | 42 | 152 - | 39 | .00670B | .00050A |
| 1320 | ---- | | ---- | ---- | ---- | | .00520+ | 0.00380 | .624 | ---- | 435 | 546 + | 372 | .00930B | .00090A |
| 1325 | ---- | | ---- | ---- | ---- | | .00870+ | 0.00590 | .829 | ---- | 12 | 369 | UNCH | .01260B | .00160A |
| 1330 | ---- | | ---- | ---- | ---- | | .01300+ | 0.00780 | .937 | ---- | ---- | 480 | UNCH | .01640B | .00230A |
| 1335 | ---- | | ---- | ---- | ---- | | .01770+ | 0.00920 | .980 | ---- | 4 | 1764 | UNCH | .02070B | .00330A |
| 1340 | ---- | | ---- | ---- | ---- | | .02260+ | 0.01000 | .992 | ---- | 1 | 117 | UNCH | .02520B | .00460A |
| 1345 | ---- | | ---- | ---- | ---- | | .02750+ | 0.01040 | .998 | ---- | 1 | 50 | UNCH | .03000B | .00640A |
| 1350 | ---- | | ---- | ---- | ---- | | .03250+ | 0.01060 | .999 | ---- | ---- | 22 | UNCH | .03480B | .00850A |
| 1355 | ---- | | ---- | ---- | ---- | | .03750+ | 0.01060 | .999 | ---- | 1 | 2 + | 1 | .03970B | .01130A |
| 1360 | ---- | | ---- | ---- | ---- | | .04250+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .04470B | .01450A |
| 1365 | ---- | | ---- | ---- | ---- | | .04750+ | 0.01070 | 1.000 | ---- | 4 | 10 + | 4 | .04970B | .01810A |
| 1370 | ---- | | ---- | ---- | ---- | | .05250+ | 0.01070 | 1.000 | ---- | 2 | 7 + | 2 | .05460B | .02210A |
| 1375 | ---- | | ---- | ---- | ---- | | .05750+ | 0.01070 | 1.000 | ---- | 1 | 3 + | 1 | .05960B | .02580A |
| 1380 | ---- | | ---- | ---- | ---- | | .06250+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .06460B | .02990A |
| 1385 | ---- | | ---- | ---- | ---- | | .06750+ | 0.01070 | 1.000 | ---- | ---- | 2 | UNCH | .06960B | .03410A |
| 1390 | ---- | | ---- | ---- | ---- | | .07250+ | 0.01070 | 1.000 | ---- | ---- | 2 | UNCH | .07460B | .03850A |
| 1395 | ---- | | ---- | ---- | ---- | | .07750+ | 0.01070 | 1.000 | ---- | ---- | 3 | UNCH | .07960B | .04310A |
| 1400 | ---- | | ---- | ---- | ---- | | .08250+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .08460B | .04780A |
| 1405 | ---- | | ---- | ---- | ---- | | .08750+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .08960B | .05260A |
| 1410 | ---- | | ---- | ---- | ---- | | .09250+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .09460B | .05740A |
| 1415 | ---- | | ---- | ---- | ---- | | .09750+ | 0.01070 | 1.000 | ---- | ---- | 2 | UNCH | .09960B | .06220A |
| 1420 | ---- | | ---- | ---- | ---- | | .10250+ | 0.01070 | 1.000 | ---- | ---- | 9 | UNCH | .10440B | .06710A |
| 1425 | ---- | | ---- | ---- | ---- | | .10750+ | 0.01070 | 1.000 | ---- | ---- | 4 | UNCH | .10940B | .07200A |
| 1430 | ---- | | ---- | ---- | ---- | | .11250+ | 0.01070 | 1.000 | ---- | ---- | 10 | UNCH | .11440B | .07700A |
| 1435 | ---- | | ---- | ---- | ---- | | .11750+ | 0.01070 | 1.000 | ---- | ---- | 10 | UNCH | .11940B | .08190A |
| 1440 | ---- | | ---- | ---- | ---- | | .12250+ | 0.01070 | 1.000 | ---- | ---- | 4 | UNCH | .12440B | .08690A |
| 1445 | ---- | | ---- | ---- | ---- | | .12750+ | 0.01070 | 1.000 | ---- | ---- | 2 | UNCH | .12940B | .09180A |
| 1450 | ---- | | ---- | ---- | ---- | | .13250+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .13440B | .09680A |
| 1465 | ---- | | ---- | ---- | ---- | | .14750+ | 0.01070 | 1.000 | ---- | 1 | ---- | 1 | .14940B | .13120A |
| 1470 | ---- | | ---- | ---- | ---- | | .15250 | NEW | 1.000 | ---- | 1 | 1 + | 1 | .15430B | .13620A |
| 1505 | ---- | | ---- | ---- | ---- | | .18750+ | 0.01070 | 1.000 | ---- | 1 | 2 + | 1 | .18930B | .17110A |
| 1510 | ---- | | ---- | ---- | ---- | | .19250+ | 0.01070 | 1.000 | ---- | 1 | 2 + | 1 | .19430B | .17610A |
| 1540 | ---- | | ---- | ---- | ---- | | .22250 | NEW | 1.000 | ---- | 1 | 1 + | 1 | .22430B | .20610A |
| 1545 | ---- | | ---- | ---- | ---- | | .22750 | NEW | 1.000 | ---- | 1 | 1 + | 1 | .22930B | .21110A |
| 1605 | ---- | | ---- | ---- | ---- | | .28750+ | 0.01080 | 1.000 | ---- | ---- | 1 | UNCH | .28930B | .27110A |
| 1610 | ---- | | ---- | ---- | ---- | | .29250+ | 0.01080 | 1.000 | ---- | ---- | 2 | UNCH | .29430B | .27610A |
| 1640 | ---- | | ---- | ---- | ---- | | .32250+ | 0.01080 | 1.000 | ---- | ---- | 1 | UNCH | .32430B | .30610A |
| 1645 | ---- | | ---- | ---- | ---- | | .32740+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .32930B | .31110A |
| 1650 | ---- | | ---- | ---- | ---- | | .33240+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .33430B | .31610A |
| 1655 | ---- | | ---- | ---- | ---- | | .33740+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .33930B | .32110A |
| 1685 | ---- | | ---- | ---- | ---- | | .36740+ | 0.01070 | 1.000 | ---- | ---- | 1 | UNCH | .36930B | .35110A |
| TOTAL | | | | | | | | | | | 675 | 3980 + | 455 | | |
| JUL18 | | | (FUTURES SETT. | 1.3138 - | 107.0 ) | | | | | | | | | | |
| 1210 | ---- | | ---- | ---- | ---- | | CAB | ---- | ---- | ---- | ---- | 8 | UNCH | .00120B | .00040A |
| 1240 | ---- | | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 21 | UNCH | .00220B | .00030A |
| 1245 | ---- | | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 18 | UNCH | .00250B | .00010 |
| 1255 | ---- | | ---- | ---- | ---- | | CAB | ---- | .000 | ---- | ---- | 118 | UNCH | .00300B | .00020A |
| 1260 | ---- | | ---- | ---- | ---- | | CAB | ---- | .002 | ---- | ---- | 87 | UNCH | .00330B | .00010 |
| 1265 | ---- | | ---- | ---- | .00010N | | .00010 | UNCH | .004 | ---- | 4 | 4 + | 4 | .00360B | .00010 |
| 1270 | ---- | | ---- | ---- | .00010N | | .00010 | UNCH | .009 | ---- | ---- | 117 | UNCH | .00400B | .00020 |
| 1275 | ---- | | ---- | ---- | ---- | | .00050+ | 0.00030 | .041 | ---- | ---- | 32 | UNCH | .00120B | .00020A |
| 1275 | ---- | | ---- | ---- | .00010N | | .00020+ | 0.00010 | .018 | ---- | ---- | 23 | UNCH | .00440B | .00020A |
| 1280 | ---- | | ---- | ---- | .00010N | | .00030+ | 0.00020 | .028 | ---- | ---- | 66 | UNCH | .00480B | .00020A |
| 1285 | ---- | | ---- | ---- | ---- | | .00100+ | 0.00060 | .081 | ---- | ---- | 64 | UNCH | .00210B | .00040A |
| 1285 | ---- | | ---- | ---- | .00020N | | .00040+ | 0.00020 | .039 | ---- | ---- | 33 | UNCH | .00530B | .00020A |
| 1290 | ---- | | ---- | ---- | ---- | | .00140+ | 0.00080 | .112 | ---- | ---- | 68 | UNCH | .00290B | .00050A |
| 1290 | ---- | | ---- | ---- | ---- | | .00230+ | 0.00120 | .151 | ---- | ---- | 15 | UNCH | .00380B | .00090A |
| 1290 | ---- | | ---- | ---- | .00030N | | .00060+ | 0.00030 | .060 | ---- | 6 | 567 | UNCH | .00580B | .00020A |
| 1295 | ---- | | ---- | ---- | ---- | | .00200+ | 0.00110 | .154 | ---- | ---- | 1006 | UNCH | .00380B | .00070A |
| 1295 | ---- | | ---- | ---- | ---- | | .00310+ | 0.00160 | .195 | ---- | ---- | 503 | UNCH | .00500B | .00120A |
| 1295 | ---- | | ---- | ---- | ---- | | .00400 | NEW | .221 | ---- | 30 | 30 + | 30 | .00440B | .00180A |
| 1295 | ---- | | ---- | ---- | .00040N | | .00100+ | 0.00060 | .098 | ---- | 2 | 218 | UNCH | .00630B | .00030 |
| 1300 | ---- | | ---- | ---- | ---- | | .00290+ | 0.00160 | .211 | ---- | 35 | 317 + | 6 | .00490B | .00090A |
| 1300 | ---- | | ---- | ---- | ---- | | .00410+ | 0.00210 | .248 | ---- | 15 | 81 + | 13 | .00620B | .00160A |
| 1300 | ---- | | ---- | ---- | ---- | | .00520+ | 0.00230 | .272 | ---- | ---- | 25 | UNCH | .00570B | .00230A |
| 1300 | ---- | | ---- | ---- | .00060N | | .00160+ | 0.00100 | .152 | ---- | 9 | 1358 | UNCH | .00690B | .00030A |
| 1305 | ---- | | ---- | ---- | ---- | | .00400+ | 0.00210 | .278 | ---- | ---- | 115 | UNCH | .00640B | .00110A |
| 1305 | ---- | | ---- | ---- | ---- | | .00540+ | 0.00260 | .310 | ---- | ---- | 157 | UNCH | .00770B | .00220A |
| 1305 | ---- | | ---- | ---- | ---- | | .00660 | NEW | .329 | ---- | 228 | 208 + | 208 | .00720B | .00300A |
| 1305 | ---- | | ---- | ---- | .00090N | | .00250+ | 0.00160 | .226 | ---- | 100 | 962 - | 20 | .00760B | .00040A |
| 1310 | ---- | | ---- | ---- | ---- | | .00550+ | 0.00280 | .359 | ---- | 45 | 126 - | 6 | .00810B | .00150A |
| 1310 | ---- | | ---- | ---- | ---- | | .00700+ | 0.00320 | .379 | ---- | 28 | 93 + | 28 | .00950B | .00290A |
| 1310 | ---- | | ---- | ---- | ---- | | .00830+ | 0.00350 | .392 | ---- | 30 | 51 + | 30 | .00900B | .00380A |
| 1310 | ---- | | ---- | ---- | .00140N | | .00380+ | 0.00240 | .321 | ---- | 152 | 2359 - | 131 | .00830B | .00050A |
| 1315 | ---- | | ---- | ---- | ---- | | .00750+ | 0.00370 | .449 | ---- | 9 | 55 + | 5 | .01030B | .00190A |
| 1315 | ---- | | ---- | ---- | ---- | | .00900+ | 0.00400 | .456 | ---- | ---- | 50 | UNCH | .01170B | .00390A |
| 1315 | ---- | | ---- | ---- | ---- | | .01030+ | 0.00420 | .460 | ---- | 221 | 236 + | 193 | .01110B | .00490A |
| 1315 | ---- | | ---- | ---- | .00220N | | .00560+ | 0.00340 | .435 | ---- | 23 | 1665 - | 1 | .00910B | .00050A |
| 1320 | ---- | | ---- | ---- | ---- | | .00990+ | 0.00470 | .544 | ---- | ---- | 52 | UNCH | .01290B | .00250A |
| 1320 | ---- | | ---- | ---- | ---- | | .01140+ | 0.00480 | .536 | ---- | 25 | 71 + | 22 | .01430B | .00510A |
| 1320 | ---- | | ---- | ---- | ---- | | .01270 | NEW | .531 | ---- | 220 | 182 + | 182 | .01370B | .00620A |
| 1320 | ---- | | ---- | ---- | .00340N | | .00800+ | 0.00460 | .560 | ---- | 72 | 2028 - | 61 | .01130B | .00060A |
| 1325 | ---- | | ---- | ---- | ---- | | .01280+ | 0.00570 | .638 | ---- | 15 | 129 | UNCH | .01580B | .00330A |
| 1325 | ---- | | ---- | ---- | ---- | | .01420+ | 0.00570 | .616 | ---- | 83 | 168 + | 46 | .01720B | .00660A |
| 1325 | ---- | | ---- | ---- | ---- | | .01550+ | 0.00570 | .601 | ---- | ---- | 108 | UNCH | .01660B | .00790A |
| 1325 | ---- | | ---- | ---- | .00520N | | .01100+ | 0.00580 | .682 | ---- | 132 | 2606 + | 106 | .01430B | .00070A |
| 1330 | ---- | | ---- | ---- | ---- | | .01610+ | 0.00670 | .723 | ---- | ---- | 853 | UNCH | .01920B | .00440A |
| 1330 | ---- | | ---- | ---- | ---- | | .01750+ | 0.00660 | .690 | ---- | 4 | 4 + | 3 | .02040B | .00840A |
| 1330 | ---- | | ---- | ---- | ---- | | .01870+ | 0.00650 | .668 | ---- | 15 | 80 + | 12 | .01980B | .00980A |
| 1330 | ---- | | ---- | ---- | .00760N | | .01470+ | 0.00710 | .783 | ---- | 6 | 1479 | UNCH | .01790B | .00080A |
| 1335 | ---- | | ---- | ---- | ---- | | .02000+ | 0.00770 | .797 | ---- | 1 | 337 + | 1 | .02290B | .00560A |
| 1335 | ---- | | ---- | ---- | ---- | | .02110+ | 0.00740 | .759 | ---- | ---- | 73 | UNCH | .02400B | .01050A |
| 1335 | ---- | | ---- | ---- | .01060N | | .01880+ | 0.00820 | .862 | ---- | 1 | 2130 + | 1 | .02180B | .00090 |
| 1340 | ---- | | ---- | ---- | ---- | | .02410+ | 0.00840 | .854 | ---- | ---- | 272 | UNCH | .02700B | .00720A |
| 1340 | ---- | | ---- | ---- | ---- | | .02510+ | 0.00820 | .815 | ---- | ---- | 2 | UNCH | .02790B | .01300A |
| 1340 | ---- | | ---- | ---- | .01420N | | .02320+ | 0.00900 | .920 | ---- | ---- | 2014 | UNCH | .02610B | .00110A |
| 1345 | ---- | | ---- | ---- | ---- | | .02860+ | 0.00910 | .900 | ---- | ---- | 255 | UNCH | .03130B | .00910A |
| 1345 | ---- | | ---- | ---- | .01820N | | .02790+ | 0.00970 | .953 | ---- | 15 | 485 | UNCH | .03050B | .00130A |
| 1350 | ---- | | ---- | ---- | ---- | | .03320+ | 0.00960 | .927 | ---- | ---- | 32 | UNCH | .03570B | .01140A |
| 1350 | ---- | | ---- | ---- | .02260N | | .03270+ | 0.01010 | .967 | ---- | ---- | 225 | UNCH | .03520B | .00150 |
| 1355 | ---- | | ---- | ---- | ---- | | .03800+ | 0.01000 | .952 | ---- | ---- | 46 | UNCH | .04040B | .01400A |
| 1355 | ---- | | ---- | ---- | .02730N | | .03760+ | 0.01030 | .987 | ---- | 1 | 468 | UNCH | .04000B | .00160A |

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# BRITISH POUND PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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## FINAL



(FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1360 | ---- | ---- | ---- | ---- | .04280+ | 0.01020 | .963 | ---- | ---- | 14 | | UNCH | .04520B | .01710A |
| 1360 | ---- | ---- | ---- | ---- | .04310+ | 0.01010 | .943 | ---- | ---- | 1 | | UNCH | .04550B | .02670A |
| 1360 | ---- | ---- | ---- | .03210N | .04260+ | 0.01050 | .994 | ---- | ---- | 539 | | UNCH | .04490B | .00180A |
| 1365 | ---- | ---- | ---- | ---- | .04770 | NEW | .980 | ---- | 1 | 1 | + | 1 | .05000B | .02050A |
| 1365 | ---- | ---- | ---- | .03690N | .04750+ | 0.01060 | .997 | ---- | ---- | 856 | | UNCH | .04980B | .00210A |
| 1370 | ---- | ---- | ---- | .04190N | .05250+ | 0.01060 | .999 | ---- | ---- | 644 | | UNCH | .05470B | .00250A |
| 1375 | ---- | ---- | ---- | ---- | .05760+ | 0.01070 | .990 | ---- | 1 | 2 | | UNCH | .05980B | .02760A |
| 1375 | ---- | ---- | ---- | .04680N | .05750+ | 0.01070 | .999 | ---- | 125 | 596 | - | 125 | .05970B | .00280A |
| 1380 | ---- | ---- | ---- | ---- | .06260+ | 0.01030 | .982 | ---- | ---- | 1 | | UNCH | .06450B | .04700A |
| 1380 | ---- | ---- | ---- | .05180N | .06250+ | 0.01070 | .999 | ---- | ---- | 813 | | UNCH | .06460B | .00330A |
| 1385 | ---- | ---- | ---- | ---- | .06750+ | 0.01070 | .996 | ---- | ---- | 3 | | UNCH | .06970B | .03550A |
| 1385 | ---- | ---- | ---- | ---- | .06750+ | 0.01050 | .990 | ---- | ---- | 1 | | UNCH | .06970B | .04920A |
| 1385 | ---- | ---- | ---- | .05680N | .06750+ | 0.01070 | .999 | ---- | ---- | 198 | | UNCH | .06960B | .00380A |
| 1390 | ---- | ---- | ---- | ---- | .07240+ | 0.01070 | .998 | ---- | ---- | 2 | | UNCH | .07460B | .03970A |
| 1390 | ---- | ---- | ---- | .06180N | .07250+ | 0.01070 | .999 | ---- | ---- | 200 | | UNCH | .07460B | .00440A |
| 1395 | ---- | ---- | ---- | ---- | .07740+ | 0.01070 | .999 | ---- | ---- | 2 | | UNCH | .07960B | .04410A |
| 1395 | ---- | ---- | ---- | ---- | .07750+ | 0.01060 | .996 | ---- | ---- | 1 | | UNCH | .07960B | .05890A |
| 1395 | ---- | ---- | ---- | .06680N | .07750+ | 0.01070 | 1.000 | ---- | ---- | 133 | | UNCH | .07960B | .00510A |
| 1400 | ---- | ---- | ---- | ---- | .08240+ | 0.01070 | .999 | ---- | ---- | 4 | | UNCH | .08460B | .04860A |
| 1400 | ---- | ---- | ---- | ---- | .08240+ | 0.01060 | .997 | ---- | ---- | 1 | | UNCH | .08460B | .06380A |
| 1400 | ---- | ---- | ---- | .07180N | .08250+ | 0.01070 | 1.000 | ---- | ---- | 94 | | UNCH | .08460B | .00590A |
| 1405 | ---- | ---- | ---- | ---- | .08740+ | 0.01070 | .999 | ---- | ---- | 4 | | UNCH | .08950B | .05320A |
| 1405 | ---- | ---- | ---- | ---- | .08740+ | 0.01060 | .998 | ---- | ---- | 1 | | UNCH | .08950B | .06880A |
| 1405 | ---- | ---- | ---- | .07680N | .08750+ | 0.01070 | 1.000 | ---- | ---- | 157 | | UNCH | .08950B | .00680A |
| 1410 | ---- | ---- | ---- | ---- | .09240+ | 0.01070 | .999 | ---- | ---- | 2 | | UNCH | .09450B | .05790A |
| 1410 | ---- | ---- | ---- | .08180N | .09250+ | 0.01070 | 1.000 | ---- | ---- | 610 | | UNCH | .09450B | .00790A |
| 1415 | ---- | ---- | ---- | ---- | .09740+ | 0.01070 | .999 | ---- | ---- | 1 | | UNCH | .09950B | .06270A |
| 1415 | ---- | ---- | ---- | .08680N | .09750+ | 0.01070 | 1.000 | ---- | ---- | 68 | | UNCH | .09950B | .00900A |
| 1420 | ---- | ---- | ---- | ---- | .10240+ | 0.01070 | .999 | ---- | ---- | 2 | | UNCH | .10000B | .06750A |
| 1420 | ---- | ---- | ---- | .09170N | .10240+ | 0.01070 | 1.000 | ---- | ---- | 53 | | UNCH | .10000B | .01040A |
| 1425 | ---- | ---- | ---- | ---- | .10740+ | 0.01070 | .999 | ---- | ---- | 1 | | UNCH | .10090B | .07230A |
| 1425 | ---- | ---- | ---- | ---- | .10740+ | 0.01070 | .999 | ---- | ---- | 1 | | UNCH | .10460B | .08860A |
| 1425 | ---- | ---- | ---- | .09670N | .10740+ | 0.01070 | 1.000 | ---- | ---- | 54 | | UNCH | .10100B | .01190A |
| 1430 | ---- | ---- | ---- | ---- | .11240+ | 0.01070 | 1.000 | ---- | ---- | 4 | | UNCH | .10190B | .07720A |
| 1430 | ---- | ---- | ---- | .10170N | .11240+ | 0.01070 | 1.000 | ---- | ---- | 86 | | UNCH | .10210B | .01360A |
| 1435 | ---- | ---- | ---- | ---- | .11740+ | 0.01070 | 1.000 | ---- | ---- | 3 | | UNCH | .10260B | .08210A |
| 1435 | ---- | ---- | ---- | .10670N | .11740+ | 0.01070 | 1.000 | ---- | ---- | 24 | | UNCH | .10700B | .01550A |
| 1440 | ---- | ---- | ---- | ---- | .12240+ | 0.01070 | 1.000 | ---- | ---- | 3 | | UNCH | .10300B | .08700A |
| 1440 | ---- | ---- | ---- | .11170N | .12240+ | 0.01070 | 1.000 | ---- | ---- | 10 | | UNCH | .11200B | .01760A |
| 1445 | ---- | ---- | ---- | ---- | .12740+ | 0.01070 | 1.000 | ---- | ---- | 6 | | UNCH | .10870B | .09190A |
| 1445 | ---- | ---- | ---- | .11670N | .12740+ | 0.01070 | 1.000 | ---- | ---- | 23 | | UNCH | .11700B | .01990A |
| 1450 | ---- | ---- | ---- | ---- | .13240+ | 0.01070 | 1.000 | ---- | ---- | 5 | | UNCH | .10970B | .09680A |
| 1450 | ---- | ---- | ---- | .12170N | .13240+ | 0.01070 | 1.000 | ---- | ---- | 32 | | UNCH | .12190B | .02240A |
| 1455 | ---- | ---- | ---- | ---- | .13740+ | 0.01070 | 1.000 | ---- | ---- | 2 | | UNCH | .11410B | .10190A |
| 1455 | ---- | ---- | ---- | .12670N | .13740+ | 0.01070 | 1.000 | ---- | ---- | 15 | | UNCH | .12690B | .02510A |
| 1460 | ---- | ---- | ---- | .13170N | .14240+ | 0.01070 | 1.000 | ---- | ---- | 4 | | UNCH | .12140B | .02810A |
| 1465 | ---- | ---- | ---- | ---- | .14740+ | 0.01070 | 1.000 | ---- | ---- | 2 | | UNCH | .12300B | .11180A |
| 1465 | ---- | ---- | ---- | .13670N | .14740+ | 0.01070 | 1.000 | ---- | ---- | 4 | | UNCH | .12520B | .03130A |
| 1470 | ---- | ---- | ---- | ---- | .15240+ | 0.01070 | 1.000 | ---- | ---- | 3 | | UNCH | .12610B | .11680A |
| 1470 | ---- | ---- | ---- | .14170N | .15240+ | 0.01070 | 1.000 | ---- | ---- | 2 | | UNCH | .13020B | .03460A |
| 1475 | ---- | ---- | ---- | .14670N | .15740+ | 0.01070 | 1.000 | ---- | ---- | 2 | | UNCH | .13500B | .03820A |
| 1480 | ---- | ---- | ---- | .15170N | .16240+ | 0.01070 | 1.000 | ---- | ---- | 6 | | UNCH | .12310B | .04180A |
| 1490 | ---- | ---- | ---- | .16170N | .17240+ | 0.01070 | 1.000 | ---- | ---- | 1 | | UNCH | .13290B | .04960A |
| 1495 | ---- | ---- | ---- | .16670N | .17740+ | 0.01070 | 1.000 | ---- | ---- | 2 | | UNCH | .13790B | .05370A |
| 1500 | ---- | ---- | ---- | .17170N | .18240+ | 0.01070 | 1.000 | ---- | ---- | 3 | | UNCH | .14280B | .05800A |
| 1505 | ---- | ---- | ---- | .17670N | .18740+ | 0.01070 | 1.000 | ---- | ---- | 14 | | UNCH | .14780B | .06230A |
| 1510 | ---- | ---- | ---- | .18170N | .19240+ | 0.01070 | 1.000 | ---- | ---- | 8 | | UNCH | .15280B | .06670A |
| 1515 | ---- | ---- | ---- | .18670N | .19740+ | 0.01070 | 1.000 | ---- | ---- | 15 | | UNCH | .15770B | .07110A |
| 1520 | ---- | ---- | ---- | .19170N | .20240+ | 0.01070 | 1.000 | ---- | ---- | 23 | | UNCH | .16270B | .07570A |
| 1525 | ---- | ---- | ---- | .19670N | .20740+ | 0.01070 | 1.000 | ---- | ---- | 5 | | UNCH | .16660B | .08030A |
| 1530 | ---- | ---- | ---- | .20170N | .21240+ | 0.01070 | 1.000 | ---- | ---- | 1 | | UNCH | .16430B | .08490A |
| TOTAL | | | | | | | | | 1654 | 30323 | + | 547 | | |

AUG18 (FUTURES SETT. 1.3156 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1180 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | ---- | ---- |
| 1220 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .006 | ---- | ---- | 89 | | UNCH | .00040B | .00020A |
| 1225 | ---- | ---- | ---- | .00010N | .00020+ | 0.00010 | .012 | ---- | ---- | 1 | | UNCH | .00050B | .00020A |
| 1230 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .012 | ---- | ---- | 13 | | UNCH | .00060B | .00030A |
| 1235 | ---- | ---- | ---- | .00020N | .00030+ | 0.00010 | .018 | ---- | ---- | 12 | | UNCH | .00080B | .00020A |
| 1240 | ---- | ---- | ---- | .00020N | .00030+ | 0.00010 | .019 | ---- | ---- | 2 | | UNCH | .00100B | .00030A |
| 1245 | ---- | ---- | ---- | .00030N | .00040+ | 0.00010 | .025 | ---- | ---- | 42 | | UNCH | .00120B | .00030 |
| 1250 | ---- | ---- | ---- | .00040N | .00060+ | 0.00020 | .035 | ---- | 1 | 13 | | UNCH | .00140B | .00040A |
| 1260 | ---- | ---- | ---- | .00060N | .00100+ | 0.00040 | .057 | ---- | ---- | 337 | | UNCH | .00210B | .00050A |
| 1265 | ---- | ---- | ---- | .00070N | .00130+ | 0.00060 | .073 | ---- | ---- | 30 | | UNCH | .00250B | .00060A |
| 1270 | ---- | ---- | ---- | .00090N | .00160+ | 0.00070 | .089 | ---- | 47 | 187 | + | 35 | .00290B | .00070A |
| 1275 | ---- | ---- | ---- | .00120N | .00210+ | 0.00090 | .113 | ---- | 6 | 75 | - | 1 | .00350B | .00070A |
| 1280 | ---- | ---- | ---- | .00150N | .00260+ | 0.00110 | .137 | ---- | ---- | 173 | | UNCH | .00410B | .00060A |
| 1285 | ---- | ---- | ---- | .00190N | .00330+ | 0.00140 | .169 | ---- | 36 | 648 | + | 10 | .00490B | .00060A |
| 1290 | ---- | ---- | ---- | .00240N | .00420+ | 0.00180 | .206 | ---- | 63 | 718 | + | 60 | .00600B | .00070A |
| 1295 | ---- | ---- | ---- | .00310N | .00520+ | 0.00210 | .247 | ---- | 131 | 1183 | + | 87 | .00720B | .00080A |
| 1300 | ---- | ---- | ---- | .00390N | .00650+ | 0.00260 | .295 | ---- | 223 | 870 | - | 19 | .00860B | .00090A |
| 1305 | ---- | ---- | ---- | .00490N | .00800+ | 0.00310 | .347 | ---- | 40 | 813 | + | 3 | .01030B | .00100A |
| 1310 | ---- | ---- | ---- | .00610N | .00970+ | 0.00360 | .403 | ---- | 98 | 1021 | + | 31 | .01230B | .00110A |
| 1315 | ---- | ---- | ---- | .00760N | .01180+ | 0.00420 | .464 | ---- | 1 | 585 | + | 1 | .01450B | .00130A |
| 1320 | ---- | ---- | ---- | .00930N | .01420+ | 0.00490 | .526 | ---- | 5 | 1516 | | UNCH | .01700B | .00140A |
| 1325 | ---- | ---- | ---- | .01140N | .01690+ | 0.00550 | .588 | ---- | 133 | 647 | + | 107 | .01980B | .00160A |
| 1330 | ---- | ---- | ---- | .01380N | .02000+ | 0.00620 | .649 | ---- | ---- | 384 | | UNCH | .02290B | .00180A |
| 1335 | ---- | ---- | ---- | .01650N | .02340+ | 0.00690 | .705 | ---- | ---- | 670 | | UNCH | .02630B | .00200A |
| 1340 | ---- | ---- | ---- | .01950N | .02710+ | 0.00760 | .757 | ---- | 11 | 377 | + | 11 | .03000B | .00220A |
| 1345 | ---- | ---- | ---- | .02290N | .03100+ | 0.00810 | .801 | ---- | 254 | 543 | + | 236 | .03380B | .00250A |
| 1350 | ---- | ---- | ---- | .02650N | .03520+ | 0.00870 | .841 | ---- | 113 | 301 | + | 75 | .03790B | .00270A |
| 1355 | ---- | ---- | ---- | .03040N | .03950+ | 0.00910 | .872 | ---- | ---- | 463 | | UNCH | .04210B | .00300A |
| 1360 | ---- | ---- | ---- | .03460N | .04400+ | 0.00940 | .899 | ---- | ---- | 262 | | UNCH | .04650B | .00340A |
| 1365 | ---- | ---- | ---- | .03890N | .04860+ | 0.00970 | .922 | ---- | ---- | 233 | | UNCH | .05110B | .00380A |
| 1370 | ---- | ---- | ---- | .04340N | .05330+ | 0.00990 | .939 | ---- | ---- | 157 | | UNCH | .05570B | .00430A |
| 1375 | ---- | ---- | ---- | .04800N | .05810+ | 0.01010 | .952 | ---- | ---- | 154 | | UNCH | .06040B | .00480A |
| 1380 | ---- | ---- | ---- | .05270N | .06290+ | 0.01020 | .964 | ---- | ---- | 29 | | UNCH | .06520B | .00540A |
| 1385 | ---- | ---- | ---- | .05740N | .06780+ | 0.01040 | .971 | ---- | ---- | 3 | | UNCH | .07000B | .00610A |
| 1390 | ---- | ---- | ---- | .06220N | .07270+ | 0.01050 | .978 | ---- | ---- | 5 | | UNCH | .07490B | .00690A |
| 1395 | ---- | ---- | ---- | .06710N | .07760+ | 0.01050 | .985 | ---- | ---- | 65 | | UNCH | .07980B | .00780A |
| 1400 | ---- | ---- | ---- | .07200N | .08250+ | 0.01050 | .985 | ---- | ---- | 2 | | UNCH | .08470B | .00880A |
| 1405 | ---- | ---- | ---- | .07690N | .08750+ | 0.01060 | .992 | ---- | ---- | 3 | | UNCH | .08960B | .00990A |
| 1410 | ---- | ---- | ---- | .08180N | .09240+ | 0.01060 | .994 | ---- | ---- | 5 | | UNCH | .09460B | .01110A |
| 1415 | ---- | ---- | ---- | .08680N | .09740+ | 0.01060 | .996 | ---- | ---- | 5 | | UNCH | .09950B | .01240A |
| 1420 | ---- | ---- | ---- | .09170N | .10240+ | 0.01070 | .997 | ---- | ---- | 7 | | UNCH | .10450B | .01390A |
| 1425 | ---- | ---- | ---- | .09670N | .10730+ | 0.01060 | .998 | ---- | ---- | 6 | | UNCH | .10940B | .01560A |
| 1430 | ---- | ---- | ---- | .10170N | .11230+ | 0.01060 | .998 | ---- | ---- | 9 | | UNCH | .11440B | .01740A |
| 1435 | ---- | ---- | ---- | .10660N | .11730+ | 0.01070 | .999 | ---- | ---- | 2 | | UNCH | .11940B | .01930A |
| 1440 | ---- | ---- | ---- | .11160N | .12230+ | 0.01070 | .999 | ---- | ---- | 4 | | UNCH | .12430B | .02150A |
| 1445 | ---- | ---- | ---- | .11660N | .12720+ | 0.01060 | .999 | ---- | ---- | 3 | | UNCH | .12930B | .02380A |
| 1450 | ---- | ---- | ---- | .12160N | .13220+ | 0.01060 | .999 | ---- | ---- | 4 | | UNCH | .13200B | .02630A |
| 1455 | ---- | ---- | ---- | .12650N | .13720+ | 0.01070 | .999 | ---- | ---- | 9 | | UNCH | .13440B | .02900A |
| 1460 | ---- | ---- | ---- | .13150N | .14220+ | 0.01070 | .999 | ---- | ---- | 17 | | UNCH | .13920B | .03190A |
| 1465 | ---- | ---- | ---- | .13650N | .14720+ | 0.01070 | .999 | ---- | ---- | 2 | | UNCH | .14380B | .03490A |
| 1480 | ---- | ---- | ---- | .15150N | .16220+ | 0.01070 | .999 | ---- | ---- | 3 | | UNCH | .14850B | .04500A |
| 1570 | ---- | ---- | ---- | .24130N | .25200+ | 0.01070 | 1.000 | ---- | ---- | 2 | | UNCH | .16450B | .12410A |
| TOTAL | | | | | | | | | 1162 | 12705 | + | 636 | | |

SEP18 (FUTURES SETT. 1.3175 - 107.0 )

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1080 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 15 | | UNCH | .00180B | .00010 |
| 1085 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 32 | | UNCH | .00190B | .00040A |
| 1115 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 40 | | UNCH | .00410B | .00030A |
| 1125 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 22 | | UNCH | .00470B | .00040 |
| 1150 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .001 | ---- | ---- | 28 | | UNCH | .00640B | .00010A |
| 1160 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .002 | ---- | ---- | 49 | | UNCH | .00720B | .00040A |
| 1165 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .003 | ---- | ---- | 17 | | UNCH | .00760B | .00040A |
| 1170 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .004 | ---- | ---- | 21 | | UNCH | .00810B | .00020A |
| 1175 | ---- | ---- | ---- | .00010N | .00020+ | 0.00010 | .008 | ---- | ---- | 40 | | UNCH | .00850B | .00010 |
| 1180 | ---- | ---- | ---- | .00010N | .00020+ | 0.00010 | .008 | ---- | ---- | 1 | | UNCH | .00910B | .00020A |
| 1185 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .009 | ---- | ---- | 44 | | UNCH | .00960B | .00020A |
| 1190 | ---- | ---- | ---- | .00020N | .00030+ | 0.00010 | .013 | ---- | ---- | 125 | | UNCH | .01020B | .00020A |
| 1195 | ---- | ---- | ---- | .00020N | .00030+ | 0.00010 | .013 | ---- | ---- | 4 | | UNCH | .01080B | .00020A |
| 1200 | ---- | ---- | ---- | .00030N | .00040+ | 0.00010 | .017 | ---- | ---- | 16 | | UNCH | .01140B | .00040A |
| 1205 | ---- | ---- | ---- | .00030N | .00050+ | 0.00020 | .021 | ---- | ---- | 32 | | UNCH | .01210B | .00040A |
| 1210 | ---- | ---- | ---- | .00040N | .00060+ | 0.00020 | .025 | ---- | ---- | 45 | | UNCH | .01290B | .00030 |
| 1215 | ---- | ---- | ---- | .00050N | .00070+ | 0.00020 | .029 | ---- | ---- | 10 | | UNCH | .01360B | .00030A |
| 1220 | ---- | ---- | ---- | .00060N | .00080+ | 0.00020 | .034 | ---- | 38 | 45 | + | 36 | .01440B | .00050A |
| 1225 | ---- | ---- | ---- | .00070N | .00100+ | 0.00030 | .041 | ---- | 2 | 31 | | UNCH | .01530B | .00060A |
| 1230 | ---- | ---- | ---- | .00080N | .00110+ | 0.00030 | .046 | ---- | ---- | 78 | | UNCH | .01620B | .00040A |
| 1235 | ---- | ---- | ---- | .00090N | .00130+ | 0.00040 | .054 | ---- | ---- | 15 | | UNCH | .01720B | .00070A |
| 1240 | ---- | ---- | ---- | .00110N | .00160+ | 0.00050 | .065 | ---- | ---- | 15 | | UNCH | .01820B | .00050A |
| 1245 | ---- | ---- | ---- | .00130N | .00190+ | 0.00060 | .076 | ---- | 13 | 35 | + | 13 | .01930B | .00060A |
| 1250 | ---- | ---- | ---- | .00150N | .00220+ | 0.00070 | .087 | ---- | 11 | 201 | + | 11 | .02040B | .00090A |
| 1255 | ---- | ---- | ---- | .00180N | .00260+ | 0.00080 | .102 | ---- | ---- | 45 | | UNCH | .02160B | .00070A |
| 1260 | ---- | ---- | ---- | .00210N | .00310+ | 0.00100 | .119 | ---- | ---- | 95 | | UNCH | .02280B | .00080A |
| 1265 | ---- | ---- | ---- | .00250N | .00370+ | 0.00120 | .139 | ---- | ---- | 64 | | UNCH | .02410B | .00090A |
| 1270 | ---- | ---- | ---- | .00300N | .00430+ | 0.00130 | .159 | ---- | 38 | 106 | + | 24 | .02550B | .00090A |
| 1275 | ---- | ---- | ---- | .00350N | .00510+ | 0.00160 | .184 | ---- | ---- | 222 | | UNCH | .02700B | .00100A |
| 1280 | ---- | ---- | ---- | .00410N | .00600+ | 0.00190 | .211 | ---- | ---- | 93 | | UNCH | .02860B | .00110A |

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# BRITISH POUND PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



(FUTURES SETT. 1.3175 - 107.0 )

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1285 | ---- | ---- | ---- | .00490N | .00700+ | 0.00210 | .240 | ---- | ---- | 137 | UNCH | .03020B | .00130A |
| 1290 | ---- | ---- | ---- | .00570N | .00810+ | 0.00240 | .271 | ---- | 1 | 1027 | + 1 | .03190B | .00140A |
| 1295 | ---- | ---- | ---- | .00670N | .00950+ | 0.00280 | .307 | ---- | ---- | 267 | UNCH | .03380B | .00150A |
| 1300 | ---- | ---- | ---- | .00790N | .01100+ | 0.00310 | .345 | ---- | 16 | 513 | + 3 | .03570B | .00170A |
| 1305 | ---- | ---- | ---- | .00920N | .01270+ | 0.00350 | .385 | ---- | ---- | 76 | UNCH | .03770B | .00190A |
| 1310 | ---- | ---- | ---- | .01070N | .01460+ | 0.00390 | .427 | ---- | ---- | 301 | UNCH | .03980B | .00210A |
| 1315 | ---- | ---- | ---- | .01240N | .01680+ | 0.00440 | .471 | ---- | ---- | 53 | UNCH | .04200B | .00230A |
| 1320 | ---- | ---- | ---- | .01430N | .01910+ | 0.00480 | .515 | ---- | 18 | 384 | + 16 | .04430B | .00250A |
| 1325 | ---- | ---- | ---- | .01640N | .02180+ | 0.00540 | .560 | ---- | ---- | 53 | UNCH | .04670B | .00280A |
| 1330 | ---- | ---- | ---- | .01880N | .02460+ | 0.00580 | .604 | ---- | 8 | 263 | - 6 | .04920B | .00300A |
| 1335 | ---- | ---- | ---- | .02140N | .02770+ | 0.00630 | .648 | ---- | ---- | 414 | UNCH | .05180B | .00320A |
| 1340 | ---- | ---- | ---- | .02420N | .03110+ | 0.00690 | .689 | ---- | ---- | 471 | UNCH | .05450B | .00350A |
| 1345 | ---- | ---- | ---- | .02730N | .03470+ | 0.00740 | .727 | ---- | ---- | 82 | UNCH | .05730B | .00410A |
| 1350 | ---- | ---- | ---- | .03070N | .03850+ | 0.00780 | .762 | ---- | ---- | 86 | UNCH | .06020B | .00440A |
| 1355 | ---- | ---- | ---- | .03420N | .04240+ | 0.00820 | .794 | ---- | ---- | 51 | UNCH | .06190B | .00470A |
| 1360 | ---- | ---- | ---- | .03800N | .04660+ | 0.00860 | .824 | ---- | ---- | 98 | UNCH | .06150B | .00520A |
| 1365 | ---- | ---- | ---- | .04190N | .05080+ | 0.00890 | .849 | ---- | ---- | 58 | UNCH | .06290B | .00580A |
| 1370 | ---- | ---- | ---- | .04600N | .05520+ | 0.00920 | .871 | ---- | ---- | 53 | UNCH | .06600B | .00640A |
| 1375 | ---- | ---- | ---- | .05020N | .05970+ | 0.00950 | .890 | ---- | ---- | 40 | UNCH | .06930B | .00710A |
| 1380 | ---- | ---- | ---- | .05460N | .06430+ | 0.00970 | .907 | ---- | ---- | 109 | UNCH | .07260B | .00780A |
| 1385 | ---- | ---- | ---- | .05910N | .06890+ | 0.00980 | .923 | ---- | ---- | 79 | UNCH | .07610B | .00870A |
| 1390 | ---- | ---- | ---- | .06360N | .07360+ | 0.01000 | .932 | ---- | ---- | 26 | UNCH | .07960B | .00960A |
| 1395 | ---- | ---- | ---- | .06830N | .07830+ | 0.01000 | .945 | ---- | ---- | 95 | UNCH | .08320B | .01060A |
| 1400 | ---- | ---- | ---- | .07300N | .08310+ | 0.01010 | .954 | ---- | ---- | 328 | UNCH | .08540B | .01180A |
| 1405 | ---- | ---- | ---- | .07770N | .08800+ | 0.01030 | .959 | ---- | ---- | 246 | UNCH | .09020B | .01300A |
| 1410 | ---- | ---- | ---- | .08250N | .09280+ | 0.01030 | .964 | ---- | ---- | 12 | UNCH | .09500B | .01430A |
| 1415 | ---- | ---- | ---- | .08730N | .09770+ | 0.01040 | .969 | ---- | ---- | 17 | UNCH | .09980B | .01580A |
| 1420 | ---- | ---- | ---- | .09220N | .10260+ | 0.01040 | .974 | ---- | ---- | 187 | UNCH | .10450B | .01730A |
| 1425 | ---- | ---- | ---- | .09710N | .10750+ | 0.01040 | .975 | ---- | ---- | 68 | UNCH | .10940B | .01910A |
| 1430 | ---- | ---- | ---- | .10190N | .11250+ | 0.01060 | .979 | ---- | ---- | 37 | UNCH | .11430B | .02100A |
| 1435 | ---- | ---- | ---- | .10690N | .11740+ | 0.01050 | .980 | ---- | ---- | 11 | UNCH | .11920B | .02310A |
| 1440 | ---- | ---- | ---- | .11180N | .12230+ | 0.01050 | .984 | ---- | ---- | 7 | UNCH | .11310B | .02520A |
| 1445 | ---- | ---- | ---- | .11670N | .12730+ | 0.01060 | .985 | ---- | ---- | 7 | UNCH | .11800B | .02760A |
| 1450 | ---- | ---- | ---- | .12160N | .13220+ | 0.01060 | .989 | ---- | ---- | 6 | UNCH | .12290B | .03000A |
| 1455 | ---- | ---- | ---- | .12660N | .13720+ | 0.01060 | .989 | ---- | ---- | 5 | UNCH | .12780B | .03270A |
| 1460 | ---- | ---- | ---- | .13150N | .14220+ | 0.01070 | .990 | ---- | ---- | 24 | UNCH | .13270B | .03550A |
| 1465 | ---- | ---- | ---- | .13650N | .14710+ | 0.01060 | .990 | ---- | ---- | 1 | UNCH | .13760B | .03830A |
| 1470 | ---- | ---- | ---- | .14140N | .15210+ | 0.01070 | .990 | ---- | ---- | 1 | UNCH | .14080B | .04160A |
| 1475 | ---- | ---- | ---- | .14640N | .15700+ | 0.01060 | .994 | ---- | ---- | 1 | UNCH | .14570B | .04490A |
| 1480 | ---- | ---- | ---- | .15140N | .16200+ | 0.01060 | .995 | ---- | ---- | 1 | UNCH | .13270B | .04830A |
| 1490 | ---- | ---- | ---- | .16130N | .17190+ | 0.01060 | .997 | ---- | ---- | 1 | UNCH | .14240B | .05540A |
| 1495 | ---- | ---- | ---- | .16630N | .17690+ | 0.01060 | .997 | ---- | ---- | 9 | UNCH | .14120B | .05920A |
| 1500 | ---- | ---- | ---- | .17120N | .18190+ | 0.01070 | .998 | ---- | ---- | 3 | UNCH | .14610B | .06300A |
| 1505 | ---- | ---- | ---- | .17620N | .18690+ | 0.01070 | .998 | ---- | ---- | 2 | UNCH | .15100B | .06700A |
| 1510 | ---- | ---- | ---- | .18120N | .19180+ | 0.01060 | .999 | ---- | ---- | 1 | UNCH | .15590B | .07100A |
| 1535 | ---- | ---- | ---- | .20610N | .21670+ | 0.01060 | .999 | ---- | ---- | 1 | UNCH | .18060B | .09250A |
| TOTAL | | | | | | | | | | 145 | 7298 + 98 | | |

OCT18 (FUTURES SETT. 1.3193 - 107.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1240 | ---- | ---- | ---- | .00210N | .00280+ | 0.00070 | .089 | ---- | ---- | 22 | UNCH | .00340B | .00140A |
| 1250 | ---- | ---- | ---- | .00270N | .00360+ | 0.00090 | .112 | ---- | ---- | 4 | UNCH | .00440B | .00180A |
| 1255 | ---- | ---- | ---- | .00310N | .00410+ | 0.00100 | .126 | ---- | ---- | 11 | UNCH | .00500B | .00210A |
| 1265 | ---- | ---- | ---- | .00400N | .00530+ | 0.00130 | .159 | ---- | ---- | 14 | UNCH | .00630B | .00250 |
| 1270 | ---- | ---- | ---- | .00460N | .00600+ | 0.00140 | .178 | ---- | ---- | 3 | UNCH | .00710B | .00300A |
| 1280 | ---- | ---- | ---- | .00590N | .00770+ | 0.00180 | .220 | ---- | ---- | 5 | UNCH | .00910B | .00370A |
| 1285 | ---- | ---- | ---- | .00670N | .00870+ | 0.00200 | .245 | ---- | ---- | 2 | UNCH | .01020B | .00410A |
| 1300 | ---- | ---- | ---- | .00970N | .01260 | NEW | .331 | ---- | 4 | 4 | + 4 | .01430B | .00570A |
| 1320 | ---- | ---- | ---- | .01570N | .02010+ | 0.00440 | .468 | ---- | ---- | 100 | UNCH | .02230 | .00870A |
| 1330 | ---- | ---- | ---- | .01980N | .02490+ | 0.00510 | .543 | ---- | 13 | 223 | + 13 | .02730B | .01070A |
| 1335 | ---- | ---- | ---- | .02220N | .02770+ | 0.00550 | .581 | ---- | ---- | 50 | UNCH | .03020B | .01190A |
| 1340 | ---- | ---- | ---- | .02480N | .03060+ | 0.00580 | .617 | ---- | ---- | 50 | UNCH | .03310B | .01320A |
| 1345 | ---- | ---- | ---- | .02750N | .03380+ | 0.00630 | .653 | ---- | ---- | 208 | UNCH | .03630B | .01460A |
| 1350 | ---- | ---- | ---- | .03050N | .03720+ | 0.00670 | .687 | ---- | ---- | 663 | UNCH | .03970B | .01620A |
| 1355 | ---- | ---- | ---- | .03360N | .04080+ | 0.00720 | .719 | ---- | ---- | 400 | UNCH | .04320B | .01790A |
| 1360 | ---- | ---- | ---- | .03700N | .04450+ | 0.00750 | .749 | ---- | ---- | 6 | UNCH | .04690B | .01980A |
| 1395 | ---- | ---- | ---- | .06490N | .07420+ | 0.00930 | .896 | ---- | ---- | 1 | UNCH | .07640B | .03760A |
| 1400 | ---- | ---- | ---- | .06930N | .07880+ | 0.00950 | .909 | ---- | ---- | 1 | UNCH | .08100B | .04080A |
| 1420 | ---- | ---- | ---- | .08770N | .09770+ | 0.01000 | .946 | ---- | ---- | 1 | UNCH | .09970B | .05500A |
| 1430 | ---- | ---- | ---- | .09710N | .10740+ | 0.01030 | .958 | ---- | ---- | 1 | UNCH | .10910B | .06290A |
| 1435 | ---- | ---- | ---- | .10190N | .11220+ | 0.01030 | .962 | ---- | ---- | 1 | UNCH | .11390B | .06690A |
| 1440 | ---- | ---- | ---- | .10670N | .11710+ | 0.01040 | .966 | ---- | ---- | 2 | UNCH | .11870B | .07110A |
| TOTAL | | | | | | | | | | 17 | 1772 + 17 | | |

DEC18 (FUTURES SETT. 1.3231 - 107.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1110 | ---- | ---- | ---- | .00030N | .00040+ | 0.00010 | .010 | ---- | ---- | 10 | UNCH | .00060 | .00010 |
| 1115 | ---- | ---- | ---- | .00040N | .00040 | UNCH | .011 | ---- | ---- | 20 | UNCH | .00050B | .00020 |
| 1160 | ---- | ---- | ---- | .00090N | .00120+ | 0.00030 | .031 | ---- | ---- | 1 | UNCH | .00140 | .00070A |
| 1170 | ---- | ---- | ---- | .00120N | .00150+ | 0.00030 | .038 | ---- | ---- | 19 | UNCH | .00480B | .00090A |
| 1195 | ---- | ---- | ---- | .00200N | .00250+ | 0.00050 | .061 | ---- | ---- | 5 | UNCH | .00650B | .00100A |
| 1205 | ---- | ---- | ---- | .00240N | .00300+ | 0.00060 | .073 | ---- | 2 | 7 | + 2 | .00740B | .00180A |
| 1215 | ---- | ---- | ---- | .00290N | .00370 | NEW | .089 | ---- | 6 | 6 | + 6 | .00840B | .00210A |
| 1220 | ---- | ---- | ---- | .00320N | .00410+ | 0.00090 | .098 | ---- | ---- | 5 | UNCH | .00890B | .00150A |
| 1225 | ---- | ---- | ---- | .00360N | .00450+ | 0.00090 | .107 | ---- | ---- | 3 | UNCH | .00950B | .00160A |
| 1230 | ---- | ---- | ---- | .00400N | .00500+ | 0.00100 | .117 | ---- | ---- | 10 | UNCH | .01110B | .00170A |
| 1240 | ---- | ---- | ---- | .00480N | .00610+ | 0.00130 | .140 | ---- | ---- | 8 | UNCH | .01140B | .00200A |
| 1245 | ---- | ---- | ---- | .00530N | .00670+ | 0.00140 | .153 | ---- | ---- | 7 | UNCH | .01210B | .00210A |
| 1250 | ---- | ---- | ---- | .00590N | .00730+ | 0.00140 | .165 | ---- | 4 | 60 | + 1 | .01280B | .00230A |
| 1255 | ---- | ---- | ---- | .00650N | .00800+ | 0.00150 | .180 | ---- | ---- | 4 | UNCH | .01360B | .00240A |
| 1260 | ---- | ---- | ---- | .00710N | .00880+ | 0.00170 | .195 | ---- | ---- | 440 | UNCH | .01440B | .00250 |
| 1265 | ---- | ---- | ---- | .00780N | .00970+ | 0.00190 | .212 | ---- | ---- | 10 | UNCH | .01530B | .00280A |
| 1270 | ---- | ---- | ---- | .00860N | .01070+ | 0.00210 | .231 | ---- | 4 | 76 | + 4 | .01620B | .00300A |
| 1275 | ---- | ---- | ---- | .00950N | .01170+ | 0.00220 | .249 | ---- | 4 | 56 | - 2 | .01710B | .00320A |
| 1280 | ---- | ---- | ---- | .01040N | .01280+ | 0.00240 | .269 | ---- | ---- | 48 | UNCH | .01820B | .00350A |
| 1285 | ---- | ---- | ---- | .01140N | .01410+ | 0.00270 | .291 | ---- | ---- | 21 | UNCH | .01980B | .00370A |
| 1290 | ---- | ---- | ---- | .01250N | .01540+ | 0.00290 | .314 | ---- | ---- | 77 | UNCH | .02100B | .00400A |
| 1295 | ---- | ---- | ---- | .01370N | .01690+ | 0.00320 | .337 | ---- | ---- | 76 | UNCH | .02220B | .00430A |
| 1300 | ---- | ---- | ---- | .01510N | .01840+ | 0.00330 | .362 | ---- | ---- | 48 | UNCH | .02350B | .00460A |
| 1305 | ---- | ---- | ---- | .01650N | .02020+ | 0.00370 | .388 | ---- | ---- | 21 | UNCH | .02480B | .00490A |
| 1310 | ---- | ---- | ---- | .01810N | .02200+ | 0.00390 | .415 | ---- | ---- | 56 | UNCH | .02630B | .00530A |
| 1315 | ---- | ---- | ---- | .01980N | .02400+ | 0.00420 | .443 | ---- | 13 | 21 | + 13 | .02780B | .00560A |
| 1320 | ---- | ---- | ---- | .02170N | .02620+ | 0.00450 | .471 | ---- | 11 | 58 | + 8 | .02940B | .00600A |
| 1325 | ---- | ---- | ---- | .02370N | .02850+ | 0.00480 | .500 | ---- | ---- | 22 | UNCH | .03100B | .00650A |
| 1330 | ---- | ---- | ---- | .02590N | .03100+ | 0.00510 | .529 | ---- | ---- | 23 | UNCH | .03300B | .00690A |
| 1335 | ---- | ---- | ---- | .02820N | .03370+ | 0.00550 | .558 | ---- | ---- | 14 | UNCH | .03580B | .00750A |
| 1340 | ---- | ---- | ---- | .03070N | .03650+ | 0.00580 | .587 | ---- | ---- | 18 | UNCH | .03860B | .00800A |
| 1345 | ---- | ---- | ---- | .03340N | .03950+ | 0.00610 | .615 | ---- | ---- | 8 | UNCH | .04170B | .00830A |
| 1350 | ---- | ---- | ---- | .03620N | .04270+ | 0.00650 | .643 | ---- | ---- | 428 | UNCH | .04490B | .00920A |
| 1355 | ---- | ---- | ---- | .03920N | .04600+ | 0.00680 | .669 | ---- | ---- | 7 | UNCH | .04810B | .00960A |
| 1360 | ---- | ---- | ---- | .04240N | .04950+ | 0.00710 | .695 | ---- | ---- | 68 | UNCH | .05150B | .01020 |
| 1365 | ---- | ---- | ---- | .04570N | .05310+ | 0.00740 | .720 | ---- | ---- | 4 | UNCH | .05510B | .01110A |
| 1370 | ---- | ---- | ---- | .04910N | .05680+ | 0.00770 | .743 | ---- | ---- | 53 | UNCH | .05880B | .01190 |
| 1375 | ---- | ---- | ---- | .05270N | .06060+ | 0.00790 | .764 | ---- | 1 | 22 | - 1 | .06270B | .01280A |
| 1380 | ---- | ---- | ---- | .05640N | .06460+ | 0.00820 | .785 | ---- | 1 | 56 | UNCH | .06660B | .01380 |
| 1385 | ---- | ---- | ---- | .06030N | .06870+ | 0.00840 | .804 | ---- | ---- | 84 | UNCH | .07060B | .01480A |
| 1390 | ---- | ---- | ---- | .06420N | .07280+ | 0.00860 | .822 | ---- | ---- | 239 | UNCH | .07480B | .01590A |
| 1395 | ---- | ---- | ---- | .06830N | .07710+ | 0.00880 | .838 | ---- | ---- | 33 | UNCH | .07900B | .01710A |
| 1400 | ---- | ---- | ---- | .07240N | .08140+ | 0.00900 | .852 | ---- | ---- | 47 | UNCH | .08330B | .01840A |
| 1405 | ---- | ---- | ---- | .07660N | .08580+ | 0.00920 | .867 | ---- | ---- | 10 | UNCH | .08770B | .01970A |
| 1410 | ---- | ---- | ---- | .08090N | .09020+ | 0.00930 | .879 | ---- | ---- | 851 | UNCH | .09210B | .02120A |
| 1420 | ---- | ---- | ---- | .08980N | .09930+ | 0.00950 | .902 | ---- | ---- | 14 | UNCH | .10090B | .02430A |
| 1425 | ---- | ---- | ---- | .09420N | .10390+ | 0.00970 | .911 | ---- | ---- | 201 | UNCH | .10550B | .02610A |
| 1430 | ---- | ---- | ---- | .09880N | .10850+ | 0.00970 | .919 | ---- | ---- | 19 | UNCH | .11020B | .02790A |
| 1435 | ---- | ---- | ---- | .10340N | .11320+ | 0.00980 | .927 | ---- | ---- | 2 | UNCH | .11480B | .02990A |
| 1440 | ---- | ---- | ---- | .10800N | .11790+ | 0.00990 | .933 | ---- | ---- | 11 | UNCH | .11950B | .03200A |
| 1455 | ---- | ---- | ---- | .12210N | .13230+ | 0.01020 | .951 | ---- | ---- | 7 | UNCH | .13370B | .03890A |
| 1465 | ---- | ---- | ---- | .13160N | .14190+ | 0.01030 | .958 | ---- | ---- | 10 | UNCH | .14330B | .04410A |
| 1470 | ---- | ---- | ---- | .13640N | .14670+ | 0.01030 | .963 | ---- | ---- | 2 | UNCH | .14810B | .04690A |
| 1475 | ---- | ---- | ---- | .14120N | .15160+ | 0.01040 | .966 | ---- | ---- | 3 | UNCH | .15300B | .04990A |
| 1485 | ---- | ---- | ---- | .15090N | .16130+ | 0.01040 | .970 | ---- | ---- | 6 | UNCH | .16270B | .05600A |
| TOTAL | | | | | | | | | | 46 | 3435 + 31 | | |

MAR19 (FUTURES SETT. 1.3293 - 107.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1100 | ---- | ---- | ---- | .00120N | .00110- | 0.00010 | .022 | ---- | ---- | 11 | UNCH | .00100B | .00100A |
| 1125 | ---- | ---- | ---- | .00170N | .00160- | 0.00010 | .031 | ---- | ---- | 15 | UNCH | .00160 | .00130A |
| 1155 | ---- | ---- | ---- | .00250N | .00260+ | 0.00010 | .050 | ---- | ---- | 28 | UNCH | .00260B | .00200A |
| 1170 | ---- | ---- | ---- | .00310N | .00330+ | 0.00020 | .063 | ---- | ---- | 22 | UNCH | .00340B | .00260A |
| 1200 | ---- | ---- | ---- | .00470N | .00520+ | 0.00050 | .097 | ---- | 5 | 63 | + 5 | .00550B | .00410A |
| 1225 | ---- | ---- | ---- | .00660N | .00770 | NEW | .139 | ---- | 20 | 20 | + 20 | .00810B | .00610A |
| 1230 | ---- | ---- | ---- | .00710N | .00830+ | 0.00120 | .149 | ---- | 5 | 11 | + 5 | .00880B | .00650A |
| 1235 | ---- | ---- | ---- | .00760N | .00900+ | 0.00140 | .160 | ---- | 5 | 33 | UNCH | .00950B | .00630A |
| 1245 | ---- | ---- | ---- | .00880N | .01050+ | 0.00170 | .183 | ---- | ---- | 12 | UNCH | .01100B | .00710A |
| 1250 | ---- | ---- | ---- | .00950N | .01130+ | 0.00180 | .195 | ---- | ---- | 14 | UNCH | .01190B | .00760A |
| 1255 | ---- | ---- | ---- | .01020N | .01220+ | 0.00200 | .209 | ---- | ---- | 29 | UNCH | .01280B | .00810A |
| 1260 | ---- | ---- | ---- | .01100N | .01310+ | 0.00210 | .222 | ---- | ---- | 1 | UNCH | .01370B | .00870A |
| 1275 | ---- | ---- | ---- | .01380N | .01640+ | 0.00260 | .269 | ---- | ---- | 5 | UNCH | .01710B | .01060A |
| 1285 | ---- | ---- | ---- | .01610N | .01900+ | 0.00290 | .303 | ---- | ---- | 2 | UNCH | .01970B | .01220A |
| 1295 | ---- | ---- | ---- | .01870N | .02190+ | 0.00320 | .340 | ---- | ---- | 6 | UNCH | .02270B | .01000 |
| 1300 | ---- | ---- | ---- | .02010N | .02350+ | 0.00340 | .360 | ---- | ---- | 6 | UNCH | .02440B | .01380A |
| 1305 | ---- | ---- | ---- | .02170N | .02530+ | 0.00360 | .380 | ---- | ---- | 20 | UNCH | .02620B | .01150A |
| 1330 | ---- | ---- | ---- | .03070N | .03530+ | 0.00460 | .490 | ---- | ---- | 22 | UNCH | .03680B | .01520A |

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# BRITISH POUND PUT OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



(FUTURES SETT. 1.3293 - 107.0 )

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1340 | ---- | ---- | ---- | .03500N | .04010+ | 0.00510 | .536 | ---- | ---- | 153 | UNCH | .04190B | .01500A |
| 1345 | ---- | ---- | ---- | .03730N | .04270+ | 0.00540 | .559 | ---- | ---- | 150 | UNCH | .04460B | .01470A |
| 1350 | ---- | ---- | ---- | .03990N | .04540+ | 0.00550 | .582 | ---- | ---- | 251 | UNCH | .04750B | .01420A |
| 1355 | ---- | ---- | ---- | .04250N | .04830+ | 0.00580 | .605 | ---- | ---- | 300 | UNCH | .05050B | .01480A |
| 1360 | ---- | ---- | ---- | .04540N | .05140+ | 0.00600 | .627 | ---- | ---- | 306 | UNCH | .05360B | .01560A |
| 1375 | ---- | ---- | ---- | .05470N | .06140+ | 0.00670 | .690 | ---- | ---- | 6 | UNCH | .06320B | .01850A |
| 1380 | ---- | ---- | ---- | .05800N | .06490+ | 0.00690 | .710 | ---- | ---- | 6 | UNCH | .06670B | .01960A |
| 1390 | ---- | ---- | ---- | .06500N | .07240+ | 0.00740 | .746 | ---- | ---- | 5 | UNCH | .07410B | .02190A |
| 1400 | ---- | ---- | ---- | .07240N | .08020+ | 0.00780 | .780 | ---- | ---- | 7 | UNCH | .08180B | .02450A |
| 1405 | ---- | ---- | ---- | .07630N | .08420+ | 0.00790 | .795 | ---- | ---- | 1 | UNCH | .08580B | .02590A |
| 1435 | ---- | ---- | ---- | .10080N | .10980+ | 0.00900 | .869 | ---- | ---- | 1 | UNCH | .11060B | .03460A |
| 1625 | ---- | ---- | ---- | .28130N | .29170+ | 0.01040 | .991 | ---- | ---- | 1 | UNCH | .29230 | .27460A |
| 1630 | ---- | ---- | ---- | .28620N | .29670+ | 0.01050 | .991 | ---- | ---- | 1 | UNCH | .29720 | .27940A |
| 1640 | ---- | ---- | ---- | .29600N | .30650+ | 0.01050 | .991 | ---- | ---- | 1 | UNCH | .30620B | .29100A |
| TOTAL | | | | | | | | | 35 | 1509 + | 30 | | |

WGB OPT
JUN18 (FUTURES SETT. .00)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1315 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | 7 | ---- | 154 | .56000B | .01000 | |
| 1320 | ---- | ---- | ---- | ---- | .25000+ | 0.22000 | 1.000 | 142 | 20 | ---- | 162 | .83000B | .03000A |
| 1325 | ---- | ---- | ---- | ---- | .75000+ | 0.64000 | 1.000 | 75 | 4 | ---- | 79 | 1.17000B | .06000A |
| 1335 | ---- | ---- | ---- | ---- | 1.75000+ | 1.03000 | 1.000 | 409 | 5 | ---- | 409 | 2.02000B | .27000A |
| TOTAL | | | | | | | | | 36 | 0 - | 1021 | | |

JUL18 (FUTURES SETT. 1.3138 - 107.0 )

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1290 | ---- | ---- | ---- | ---- | .02000+ | 0.02000 | .023 | ---- | ---- | 27 | UNCH | .12000B | .01000A |
| 1295 | ---- | ---- | ---- | ---- | .04000+ | 0.03000 | .048 | ---- | ---- | 32 | UNCH | .17000B | .02000A |
| 1300 | ---- | ---- | ---- | ---- | .07000+ | 0.05000 | .087 | ---- | ---- | 54 | UNCH | .26000B | .02000A |
| 1305 | ---- | ---- | ---- | ---- | .14000+ | 0.10000 | .164 | ---- | 9 | 13 + | 3 | .38000B | .03000A |
| 1310 | ---- | ---- | ---- | ---- | .24000+ | 0.17000 | .270 | ---- | 20 | 50 + | 20 | .54000B | .05000A |
| 1310 | ---- | ---- | ---- | ---- | .49000+ | 0.27000 | .348 | ---- | ---- | 3 | UNCH | .75000B | .16000A |
| 1315 | ---- | ---- | ---- | ---- | .41000+ | 0.27000 | .416 | ---- | 7 | 18 + | 7 | .75000B | .09000A |
| 1320 | ---- | ---- | ---- | ---- | .92000+ | 0.46000 | .549 | ---- | ---- | 10 | UNCH | 1.23000B | .32000A |
| 1320 | ---- | ---- | ---- | ---- | .65000+ | 0.41000 | .581 | ---- | 91 | 125 + | 91 | 1.01000B | .13000A |
| 1325 | ---- | ---- | ---- | ---- | .97000+ | 0.57000 | .735 | ---- | ---- | 111 | UNCH | 1.33000B | .19000A |
| 1330 | ---- | ---- | ---- | ---- | 1.36000+ | 0.73000 | .854 | ---- | ---- | 52 | UNCH | 1.70000B | .27000A |
| 1335 | ---- | ---- | ---- | ---- | 1.80000+ | 0.86000 | .929 | ---- | ---- | 17 | UNCH | 2.11000B | .38000A |
| 1355 | ---- | ---- | ---- | ---- | 3.75000+ | 1.05000 | .998 | ---- | ---- | 1 | UNCH | 3.98000B | 1.19000A |
| 1360 | ---- | ---- | ---- | ---- | 4.25000+ | 1.06000 | .999 | ---- | ---- | 1 | UNCH | 4.47000B | 1.50000A |
| 1365 | ---- | ---- | ---- | ---- | 4.75000+ | 1.07000 | .999 | ---- | ---- | 1 | UNCH | 4.97000B | 1.86000A |
| 1370 | ---- | ---- | ---- | ---- | 5.25000+ | 1.07000 | .999 | ---- | ---- | 1 | UNCH | 5.47000B | 2.25000A |
| 1375 | ---- | ---- | ---- | ---- | 5.75000+ | 1.07000 | 1.000 | ---- | ---- | 1 | UNCH | 5.96000B | 2.67000A |
| 1380 | ---- | ---- | ---- | ---- | 6.25000+ | 1.07000 | 1.000 | ---- | ---- | 1 | UNCH | 6.46000B | 3.12000A |
| 1385 | ---- | ---- | ---- | ---- | 6.75000+ | 1.07000 | 1.000 | ---- | ---- | 2 | UNCH | 6.96000B | 3.58000A |
| 1400 | ---- | ---- | ---- | ---- | 8.25000+ | 1.07000 | 1.000 | ---- | ---- | 2 | UNCH | 8.46000B | 5.02000A |
| 1405 | ---- | ---- | ---- | ---- | 8.75000+ | 1.07000 | 1.000 | ---- | ---- | 1 | UNCH | 8.96000B | 5.50000A |
| 1415 | ---- | ---- | ---- | ---- | 9.75000+ | 1.07000 | 1.000 | ---- | ---- | 2 | UNCH | 9.96000B | 6.49000A |
| 1440 | ---- | ---- | ---- | ---- | 12.25000+ | 1.07000 | 1.000 | ---- | ---- | 1 | UNCH | 10.05000 | 8.98000A |
| TOTAL | | | | | | | | | 127 | 526 + | 121 | | |

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# CANADIAN DOLLAR CALL OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### CANADIAN DOLLAR CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|
| CANADA DLR FUT | 06/19 | 07/17 | 08/14 | 09/18 | 10/16 | 11/20 | 12/18 | 01/15 | 03/19 | 06/18 |
| CANADA DLR OPT (EUR) | 06/08 | 03/09 | | 03/09 | | | 03/09 | | | |

EXPIRATION:

### CANADIAN DOLLAR OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | SEP18 | DEC18 |
|---|---|---|---|---|
| YD | 630-945 | 650-925 | 650-945 | 655-940 |

### CANADIAN DOLLAR FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| CANADA DLR FUT | | | | | | | | | | |
| JUL18 | 0.7521 | .7533 | *.7479 | .7515 | ( 1.3307) - 8 | ---- | 624 | 270 + 49 | .7990B | .7479 |
| AUG18 | 0.7508 | .7530B | *.7485A | .7519 | ( 1.3300) - 8 | ---- | 682 | 230 - 55 | .7985B | .7485A |
| SEP18 | 0.7529 | .7542 | .7480 | .7523 | ( 1.3293) - 8 | 220 | 102420 | 156434 + 3355 | .9340B | .7341A |
| OCT18 | ---- | ---- | ---- | .7527 | ( 1.3286) - 8 | ---- | 633 | 32 + 14 | .7801B | .7593A |
| DEC18 | 0.7533 | .7554 | .7500 | .7535 | ( 1.3271) - 9 | ---- | 163 | 5033 + 5 | .8261B | .7500A |
| MAR19 | 0.7554 | .7562B | .7540A | .7550 | ( 1.3245) - 9 | ---- | 8 | 523 + 2 | .8250B | .7540A |
| JUN19 | 0.7571 | .7571 | *.7541A | .7564 | ( 1.3221) - 9 | ---- | 5 | 59 + 2 | .8081B | .7542A |
| SEP19 | ---- | ---- | *.7548A | .7579 | ( 1.3194) - 8 | ---- | 7 | 24 UNCH | .8054B | .7549A |
| TOTAL CANADA DLR FUT | | | | | | 220 | 104542 | 162605 + 3372 | | |

CAN DOLLAR (EU) FIXING PRICE: Mar21 0.7532

### ADDITIONAL CANADIAN DOLLAR FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| CHP FUT | | | | | | | | | | |
| JUL18 | .0015457 | .0015465B | .0015446A | .0015465 | ( 646.6214) -)000125 | ---- | 7 | 100 UNCH | .0016229B | .0015298A |
| AUG18 | .0015468 | .0015468 | *.0015446A | .0015465 | ( 646.6214) -)000126 | ---- | 7 | 254 + 7 | .0015943B | .0015446A |
| | | | | | | 0 | 14 | 354 + 7 | | |
| CNH FUT | | | | | | | | | | |
| JUL18 | 6.6044 | #6.6288B | 6.5826A | 6.6224 | ( .1510) + 0.0335 | ---- | 30 | 85 + 6 | 6.6288B | 6.2686A |
| AUG18 | 6.5968 | #6.6365B | 6.5902A | 6.6310 | ( .1508) + 0.0346 | ---- | 74 | 45 + 30 | 6.6365B | 6.2837A |
| SEP18 | 6.6000 | 6.6471B | 6.5998A | 6.6414 | ( .1506) + 0.0363 | ---- | 183 | 477 + 23 | 6.8368B | 6.2877A |
| DEC18 | ---- | 6.6606B | 6.6247A | 6.6642 | ( .1501) + 0.0376 | ---- | ---- | 47 UNCH | 7.1742B | 6.3105A |
| MAR19 | ---- | 6.6815B | 6.6459A | 6.6852 | ( .1496) + 0.0378 | ---- | ---- | 6 UNCH | 6.8428B | 6.3306A |
| SEP19 | ---- | 6.7263B | ---- | 6.7253 | ( .1487) + 0.0369 | ---- | ---- | 1 UNCH | 7.1300B | 6.3798A |
| TOTAL CNH FUT | | | | | | 0 | 287 | 661 + 59 | | |
| INR/USD FUT | | | | | | | | | | |
| JUN18 | 146.110 | 146.250B | 145.860A | 145.930 | ( .0069) - 0.330 | ---- | 116 | 750 - 14 | 149.790B | 145.180 |
| JUL18 | 145.600 | 145.640B | *144.320A | 144.370 | ( .0069) - 0.930 | ---- | 4624 | 1080 + 493 | 148.750 | 144.320A |
| AUG18 | 143.710 | #143.710 | *143.710 | 143.690 | ( .0070) NEW | ---- | 1 | 1 + 1 | 143.710 | 143.710 |
| TOTAL INR/USD FUT | | | | | | 0 | 4741 | 1831 + 480 | | |
| MICRO INR/USD F | | | | | | | | | | |
| JUN18 | ---- | ---- | 145.870A | 145.930 | ( .0069) - 0.330 | ---- | ---- | 55 UNCH | 149.800B | 145.170A |
| JUL18 | 145.450 | 145.660B | *144.330A | 144.370 | ( .0069) - 0.930 | ---- | 323 | 585 + 148 | 148.750 | 144.330A |
| TOTAL MICRO INR/USD F | | | | | | 0 | 323 | 640 + 148 | | |

### ADDITIONAL CANADIAN DOLLAR CALLS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CAU OPT | | | | | | | | | | | |
| JUN18 | CAU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 660 | ---- | ---- | ---- | ---- | .09230 NEW | 1.000 | ---- | 1 | 1 + 1 | .09490B | .08840A |
| 670 | ---- | ---- | ---- | ---- | .08230 NEW | 1.000 | ---- | 1 | 1 + 1 | .10030B | .07840A |
| 725 | ---- | ---- | ---- | ---- | .02730- 0.00080 | .999 | ---- | ---- | 2 UNCH | .05660B | .02340A |
| 730 | ---- | ---- | ---- | ---- | .02230- 0.00080 | .996 | ---- | ---- | 1 UNCH | .05170B | .01850A |
| 735 | ---- | ---- | ---- | ---- | .01740- 0.00080 | .985 | ---- | ---- | 2 UNCH | .04670B | .01360A |
| 740 | ---- | ---- | ---- | ---- | .01260- 0.00070 | .953 | ---- | ---- | 1 UNCH | .04170B | .00910A |
| 745 | ---- | ---- | ---- | ---- | .00820- 0.00050 | .856 | ---- | ---- | 2 UNCH | .03680B | .00510A |
| 750 | ---- | ---- | ---- | ---- | .00450- 0.00030 | .638 | ---- | 156 | 1124 + 99 | .03190B | .00220 |
| 755 | ---- | ---- | ---- | ---- | .00210 UNCH | .345 | ---- | 1522 | 2140 + 890 | .02710B | .00070A |
| 760 | ---- | ---- | ---- | ---- | .00080+ 0.00010 | .129 | ---- | 13 | 981 + 1 | .02250B | .00025A |
| 765 | ---- | ---- | ---- | ---- | .00030+ 0.00010 | .039 | ---- | 16 | 433 UNCH | .01810B | .00010A |
| 770 | ---- | ---- | ---- | ---- | .00010+ 0.00005 | .009 | ---- | 22 | 329 + 22 | .01400B | .00010A |
| 775 | ---- | ---- | ---- | ---- | .00005+ 0.00005 | .003 | ---- | ---- | 587 UNCH | .01040B | .00025A |
| 780 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 289 UNCH | .00740B | .00015A |
| 785 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 36 UNCH | .00500B | .00030A |
| 790 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 12 UNCH | .00320B | .00020A |
| 795 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 26 UNCH | .00200B | .00010A |
| 800 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 20 UNCH | .00110B | .00015A |
| 805 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 35 UNCH | .00070B | .00010A |
| 820 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 40 UNCH | .00015B | .00005 |
| 840 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 64 UNCH | .00005 | .00005 |
| 845 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 80 UNCH | .00005 | .00005 |
| 855 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 80 UNCH | .00005 | .00005 |
| 860 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 81 UNCH | .00005 | .00005 |
| 865 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 79 UNCH | .00005 | .00005 |
| TOTAL | | | | | | | | 1731 | 6446 + 1014 | | |
| JUL18 | CAU OPT | (FUTURES SETT. | .75150 - | 8.0 ) | | | | | | | |
| 655 | ---- | ---- | ---- | ---- | .09720- 0.00090 | 1.000 | ---- | ---- | 1 UNCH | .09980B | .09350A |
| 680 | ---- | ---- | ---- | .07310N | .07230- 0.00080 | 1.000 | ---- | ---- | 2 UNCH | .10120B | .06850A |
| 685 | ---- | ---- | ---- | .06810N | .06730- 0.00080 | 1.000 | ---- | ---- | 1 UNCH | .10040B | .06350A |
| 690 | ---- | ---- | ---- | .06310N | .06230- 0.00080 | 1.000 | ---- | ---- | 2 UNCH | .10020B | .05850A |
| 695 | ---- | ---- | ---- | .05810N | .05730- 0.00080 | .999 | ---- | ---- | 1 UNCH | .10030B | .05350A |
| 700 | ---- | ---- | ---- | ---- | .05230- 0.00080 | .998 | ---- | ---- | 1 UNCH | .07900B | .04850A |
| 700 | ---- | ---- | ---- | .05310N | .05230- 0.00080 | .999 | ---- | ---- | 2 UNCH | .09990B | .04850A |
| 705 | ---- | ---- | ---- | ---- | .04730- 0.00080 | .988 | ---- | ---- | 1 UNCH | .05000B | .04340A |
| 705 | ---- | ---- | ---- | .04810N | .04730- 0.00080 | .999 | ---- | ---- | 2 UNCH | .09510B | .04360A |
| 710 | ---- | ---- | ---- | ---- | .04230- 0.00080 | .993 | ---- | 1 | 5 + 1 | .06900B | .03840A |
| 710 | ---- | ---- | ---- | .04310N | .04230- 0.00080 | .999 | ---- | ---- | 1 UNCH | .09010B | .03860A |
| 715 | ---- | ---- | ---- | .03810N | .03730- 0.00080 | .997 | ---- | ---- | 15 UNCH | .08510B | .03340A |
| 715 | ---- | ---- | ---- | ---- | .03740- 0.00080 | .986 | ---- | ---- | 2 UNCH | .06400B | .03350A |
| 720 | ---- | ---- | ---- | ---- | .03250- 0.00070 | .974 | ---- | ---- | 3 UNCH | .05910B | .02860A |
| 720 | ---- | ---- | ---- | .03310N | .03230- 0.00080 | .992 | ---- | ---- | 9 UNCH | .08020B | .02840A |
| 725 | ---- | ---- | ---- | ---- | .02760- 0.00070 | .955 | ---- | ---- | 1 UNCH | .05410B | .02390A |
| 725 | ---- | ---- | ---- | .02820N | .02740- 0.00080 | .978 | ---- | ---- | 8 UNCH | .07520B | .02350A |
| 730 | ---- | ---- | ---- | ---- | .02290- 0.00070 | .925 | ---- | ---- | 1 UNCH | .04910B | .01930A |
| 730 | ---- | ---- | ---- | .02330N | .02260- 0.00070 | .962 | ---- | ---- | 3 UNCH | .07030B | .01870A |
| 735 | ---- | ---- | ---- | .01840N | .01780- 0.00060 | .926 | ---- | ---- | 4 UNCH | .06540B | .01410A |
| 740 | ---- | ---- | ---- | .01380N | .01330- 0.00050 | .857 | ---- | ---- | 8 UNCH | .06040B | .00990A |
| 745 | ---- | ---- | ---- | ---- | .01030- 0.00040 | .696 | ---- | ---- | 2 UNCH | .03450B | .00760A |
| 745 | ---- | ---- | ---- | ---- | .01110- 0.00020 | .672 | ---- | ---- | 1 UNCH | .01280B | .00830A |
| 745 | ---- | ---- | ---- | .00960N | .00920- 0.00040 | .746 | ---- | ---- | 12 UNCH | .05560B | .00630A |
| 750 | ---- | ---- | ---- | .00600N | .00570- 0.00030 | .586 | ---- | 73 | 1020 + 1 | .05070B | .00360A |
| 750 | ---- | ---- | ---- | ---- | .00710- 0.00020 | .567 | ---- | ---- | 33 UNCH | .02980B | .00490A |
| 750 | ---- | ---- | ---- | ---- | .00800 UNCH | .559 | ---- | 2 | 197 UNCH | .00950 | .00560A |
| 750 | ---- | ---- | ---- | ---- | .00840- 0.00010 | .556 | ---- | ---- | 151 UNCH | .00920B | .00620A |

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# CANADIAN DOLLAR CALL OPTIONS



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## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAU OPT | | | | | | | | | | | | | | | |
| | CAU OPT | (FUTURES SETT. | .75150 - | 8.0 ) | | | | | | | | | | | |
| 755 | ---- | ---- | ---- | .00330N | .00330 | UNCH | .403 | ---- | 837 | 1563 | + | 700 | .04600B | .00190 |
| 755 | ---- | ---- | ---- | ---- | .00460 | - 0.00010 | .428 | ---- | 34 | 690 | | UNCH | .02520B | .00300A |
| 755 | ---- | ---- | ---- | ---- | .00550 | - 0.00010 | .439 | ---- | ---- | 605 | | UNCH | .00880B | .00370A |
| 755 | ---- | ---- | ---- | ---- | .00580 | - 0.00010 | .443 | ---- | 150 | 200 | + | 150 | .00640B | .00420A |
| 760 | ---- | ---- | ---- | .00160N | .00170 | - 0.00010 | .240 | ---- | 108 | 1116 | + | 10 | .04130B | .00090A |
| 760 | ---- | ---- | ---- | ---- | .00280 | UNCH | .297 | ---- | 15 | 125 | | UNCH | .02090B | .00180A |
| 760 | ---- | ---- | ---- | ---- | .00350 | + 0.00010 | .322 | ---- | 75 | 173 | + | 75 | .00630B | .00230A |
| 765 | ---- | ---- | ---- | ---- | .00160 | UNCH | .190 | ---- | 15 | 32 | + | 15 | .01690B | .00100A |
| 765 | ---- | ---- | ---- | ---- | .00210 | + 0.00010 | .219 | ---- | 15 | 165 | | UNCH | .00420B | .00140A |
| 765 | ---- | ---- | ---- | .00070N | .00080 | + 0.00010 | .125 | ---- | 126 | 1006 | + | 44 | .03670B | .00040A |
| 770 | ---- | ---- | ---- | ---- | .00090 | UNCH | .115 | ---- | ---- | 304 | | UNCH | .01320B | .00060A |
| 770 | ---- | ---- | ---- | ---- | .00120 | UNCH | .139 | ---- | 3 | 29 | - | 1 | .00270B | .00080 |
| 770 | ---- | ---- | ---- | .00035N | .00040 | + 0.00005 | .064 | ---- | ---- | 1042 | | UNCH | .03220B | .00020A |
| 775 | ---- | ---- | ---- | ---- | .00050 | + 0.00005 | .067 | ---- | ---- | 267 | | UNCH | .01000B | .00030A |
| 775 | ---- | ---- | ---- | ---- | .00070 | UNCH | .086 | ---- | ---- | 9 | | UNCH | .00160B | .00050A |
| 775 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .031 | ---- | ---- | 1791 | | UNCH | .02790B | .00015A |
| 780 | ---- | ---- | ---- | ---- | .00030 | + 0.00005 | .040 | ---- | ---- | 202 | | UNCH | .00730B | .00020A |
| 780 | ---- | ---- | ---- | ---- | .00040 | UNCH | .052 | ---- | 3 | 305 | + | 3 | .00070 | .00030A |
| 780 | ---- | ---- | ---- | .00010N | .00015 | + 0.00005 | .021 | ---- | ---- | 2527 | | UNCH | .02390B | .00010A |
| 785 | ---- | ---- | ---- | .00005N | .00010 | + 0.00005 | .013 | ---- | ---- | 1205 | | UNCH | .02010B | .00010 |
| 785 | ---- | ---- | ---- | ---- | .00020 | + 0.00005 | .026 | ---- | ---- | 16 | | UNCH | .00510B | .00015A |
| 790 | ---- | ---- | ---- | ---- | .00015 | + 0.00005 | .019 | ---- | ---- | 31 | | UNCH | .00350B | .00010 |
| 790 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .006 | ---- | 10 | 1243 | | UNCH | .02030B | .00005A |
| 795 | ---- | ---- | ---- | ---- | .00010 | + 0.00005 | .012 | ---- | ---- | 44 | | UNCH | .00240 | .00035A |
| 795 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .002 | ---- | ---- | 622 | | UNCH | .01910B | .00005 |
| 800 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 674 | | UNCH | .01720B | .00005 |
| 805 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 300 | | UNCH | .01450B | .00015A |
| 810 | ---- | ---- | ---- | ---- | .00005 | UNCH | .001 | ---- | ---- | 1 | | UNCH | .00060B | .00005 |
| 810 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 270 | | UNCH | .01210B | .00005 |
| 815 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 90 | | UNCH | .00040B | .00010 |
| 815 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 337 | | UNCH | .01000B | .00010 |
| 820 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .003 | ---- | ---- | 65 | | UNCH | .00005 | .00005 |
| 820 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 264 | | UNCH | .00820B | .00010 |
| 825 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 322 | | UNCH | .00660B | .00005 |
| 830 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 262 | | UNCH | .00005 | .00005 |
| 830 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 71 | | UNCH | .00540B | .00005 |
| 835 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 138 | | UNCH | .00430B | .00005 |
| 840 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | | UNCH | .00340B | .00015 |
| 845 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 36 | | UNCH | .00270B | .00015 |
| 850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 195 | | UNCH | .00005 | .00005 |
| 850 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 65 | 131 | + | 65 | .00005 | .00005 |
| 850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 189 | | UNCH | .00220B | .00005 |
| 860 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 32 | | UNCH | .00110B | .00005 |
| TOTAL | | | | | | | | | 1532 | 20131 | + | 1063 | | |
| AUG18 | CAU OPT | (FUTURES SETT. | .75190 - | 8.0 ) | | | | | | | | | | |
| 660 | ---- | ---- | ---- | .09300N | .09210 | - 0.00090 | .999 | ---- | ---- | 1 | | UNCH | .10030B | .08830A |
| 665 | ---- | ---- | ---- | .08800N | .08710 | - 0.00090 | .999 | ---- | ---- | 1 | | UNCH | .09690 | .08340A |
| 670 | ---- | ---- | ---- | .08300N | .08210 | - 0.00090 | .999 | ---- | ---- | 2 | | UNCH | .10130B | .07840A |
| 675 | ---- | ---- | ---- | .07800N | .07710 | - 0.00090 | .999 | ---- | ---- | 3 | | UNCH | .10050B | .07340A |
| 680 | ---- | ---- | ---- | .07300N | .07220 | - 0.00080 | .999 | ---- | ---- | 3 | | UNCH | .10090B | .06840A |
| 685 | ---- | ---- | ---- | .06800N | .06720 | - 0.00080 | .998 | ---- | ---- | 4 | | UNCH | .10090B | .06340A |
| 690 | ---- | ---- | ---- | .06300N | .06220 | - 0.00080 | .997 | ---- | ---- | 2 | | UNCH | .10010B | .05830A |
| 700 | ---- | ---- | ---- | .05310N | .05230 | - 0.00080 | .989 | ---- | ---- | 1 | | UNCH | .09990B | .04840A |
| 705 | ---- | ---- | ---- | .04820N | .04740 | - 0.00080 | .983 | ---- | ---- | 2 | | UNCH | .09490B | .04350A |
| 710 | ---- | ---- | ---- | .04330N | .04250 | - 0.00080 | .973 | ---- | ---- | 1 | | UNCH | .09000B | .03860A |
| 715 | ---- | ---- | ---- | .03840N | .03760 | - 0.00080 | .958 | ---- | ---- | 1 | | UNCH | .08500B | .03390A |
| 720 | ---- | ---- | ---- | .03360N | .03290 | - 0.00070 | .933 | ---- | ---- | 1 | | UNCH | .08010B | .02920A |
| 725 | ---- | ---- | ---- | .02890N | .02830 | - 0.00060 | .905 | ---- | ---- | 1 | | UNCH | .07520B | .02480A |
| 730 | ---- | ---- | ---- | .02440N | .02380 | - 0.00060 | .859 | ---- | ---- | 15 | | UNCH | .07030B | .02050A |
| 735 | ---- | ---- | ---- | .02010N | .01960 | - 0.00050 | .806 | ---- | ---- | 2 | | UNCH | .06540B | .01650A |
| 740 | ---- | ---- | ---- | .01610N | .01560 | - 0.00050 | .734 | ---- | ---- | 2 | | UNCH | .06060B | .01280A |
| 745 | ---- | ---- | ---- | .01250N | .01210 | - 0.00040 | .650 | ---- | ---- | 1 | | UNCH | .05580B | .00950A |
| 750 | ---- | ---- | ---- | .00930N | .00900 | - 0.00030 | .552 | ---- | 20 | 80 | + | 20 | .05110B | .00690A |
| 755 | ---- | ---- | ---- | .00660N | .00650 | - 0.00010 | .449 | ---- | 10 | 264 | + | 5 | .04650B | .00480A |
| 760 | ---- | ---- | ---- | .00450N | .00450 | UNCH | .348 | ---- | 23 | 1020 | | UNCH | .04190B | .00320A |
| 765 | ---- | ---- | ---- | .00300N | .00300 | UNCH | .257 | ---- | 107 | 433 | + | 106 | .03750B | .00210 |
| 770 | ---- | ---- | ---- | .00190N | .00190 | UNCH | .180 | ---- | 52 | 1039 | + | 29 | .03320B | .00140 |
| 775 | ---- | ---- | ---- | .00120N | .00120 | UNCH | .122 | ---- | 6 | 622 | + | 4 | .02910B | .00080 |
| 780 | ---- | ---- | ---- | .00070N | .00080 | + 0.00010 | .085 | ---- | 11 | 588 | - | 10 | .02520B | .00060 |
| 785 | ---- | ---- | ---- | .00045N | .00050 | + 0.00005 | .055 | ---- | ---- | 692 | | UNCH | .02160B | .00035A |
| 790 | ---- | ---- | ---- | .00030N | .00030 | UNCH | .035 | ---- | ---- | 272 | | UNCH | .01830B | .00025A |
| 795 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .023 | ---- | ---- | 377 | | UNCH | .01530B | .00015 |
| 800 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .017 | ---- | 2 | 672 | | UNCH | .01260B | .00015 |
| 805 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .011 | ---- | ---- | 395 | | UNCH | .01030B | .00020 |
| 810 | ---- | ---- | ---- | .00005N | .00010 | + 0.00005 | .011 | ---- | ---- | 148 | | UNCH | .00830B | .00015 |
| 815 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .005 | ---- | ---- | 53 | | UNCH | .00670B | .00005 |
| 820 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .003 | ---- | ---- | 52 | | UNCH | .00530B | .00010 |
| 825 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 44 | | UNCH | .00410B | .00020A |
| 830 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .000 | ---- | ---- | 527 | | UNCH | .00320B | .00015A |
| 835 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 231 | | UNCH | .00250B | .00010A |
| 840 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 2 | | UNCH | .00190B | .00015A |
| 845 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 157 | | UNCH | .00140B | .00015A |
| 850 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 13 | | UNCH | .00110B | .00010A |
| 855 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 50 | | UNCH | .00070B | .00015A |
| 865 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | .00045B | .00010A |
| 870 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 32 | | UNCH | .00035B | .00030A |
| TOTAL | | | | | | | | | 231 | 7807 | + | 154 | | |
| SEP18 | CAU OPT | (FUTURES SETT. | .75230 - | 8.5 ) | | | | | | | | | | |
| 655 | ---- | ---- | ---- | .09780N | .09700 | - 0.00080 | .999 | ---- | ---- | 4 | | UNCH | .09940B | .09310A |
| 660 | ---- | ---- | ---- | .09280N | .09200 | - 0.00080 | .998 | ---- | ---- | 22 | | UNCH | .10010B | .08820A |
| 665 | ---- | ---- | ---- | .08780N | .08700 | - 0.00080 | .997 | ---- | ---- | 8 | | UNCH | .09670 | .08320A |
| 670 | ---- | ---- | ---- | .08290N | .08210 | - 0.00080 | .995 | ---- | ---- | 1 | | UNCH | .10110B | .07820A |
| 675 | ---- | ---- | ---- | .07790N | .07710 | - 0.00080 | .991 | ---- | ---- | 56 | | UNCH | .10080B | .07330A |
| 680 | ---- | ---- | ---- | .07290N | .07210 | - 0.00080 | .988 | ---- | ---- | 25 | | UNCH | .10100B | .06830A |
| 685 | ---- | ---- | ---- | .06800N | .06720 | - 0.00080 | .987 | ---- | ---- | 21 | | UNCH | .10080B | .06340A |
| 690 | ---- | ---- | ---- | .06310N | .06230 | - 0.00080 | .983 | ---- | ---- | 31 | | UNCH | .09990B | .05850A |
| 695 | ---- | ---- | ---- | .05820N | .05740 | - 0.00080 | .975 | ---- | ---- | 25 | | UNCH | .10080B | .05370A |
| 700 | ---- | ---- | ---- | .05330N | .05250 | - 0.00080 | .964 | ---- | ---- | 12 | | UNCH | .09970B | .04890A |
| 705 | ---- | ---- | ---- | .04850N | .04770 | - 0.00080 | .953 | ---- | ---- | 7 | | UNCH | .09480B | .04420A |
| 710 | ---- | ---- | ---- | .04380N | .04300 | - 0.00080 | .933 | ---- | ---- | 25 | | UNCH | .08990B | .03960A |
| 715 | ---- | ---- | ---- | .03920N | .03840 | - 0.00080 | .908 | ---- | ---- | 6 | | UNCH | .08500B | .03510A |
| 720 | ---- | ---- | ---- | .03460N | .03400 | - 0.00060 | .878 | ---- | ---- | 18 | | UNCH | .08010B | .03070A |
| 725 | ---- | ---- | ---- | .03020N | .02960 | - 0.00060 | .843 | ---- | ---- | 5 | | UNCH | .07520B | .02650A |
| 735 | ---- | ---- | ---- | .02200N | .02150 | - 0.00050 | .745 | ---- | ---- | 1 | | UNCH | .06570B | .01860A |
| 740 | ---- | ---- | ---- | .01820N | .01780 | - 0.00040 | .685 | ---- | ---- | 35 | | UNCH | .06100B | .01520A |
| 745 | ---- | ---- | ---- | .01480N | .01450 | - 0.00030 | .617 | ---- | ---- | 1 | | UNCH | .05630B | .01200A |
| 750 | ---- | ---- | ---- | .01180N | .01150 | - 0.00030 | .542 | ---- | 4 | 83 | + | 4 | .05170B | .00940A |
| 755 | ---- | ---- | ---- | .00910N | .00890 | - 0.00020 | .464 | ---- | 109 | 405 | + | 9 | .04720B | .00720A |
| 760 | ---- | ---- | ---- | .00690N | .00680 | - 0.00010 | .387 | ---- | ---- | 186 | | UNCH | .04280B | .00540A |
| 765 | ---- | ---- | ---- | .00520N | .00510 | - 0.00010 | .314 | ---- | 143 | 251 | + | 142 | .03860B | .00400A |
| 770 | ---- | ---- | ---- | .00380N | .00370 | - 0.00010 | .248 | ---- | 26 | 534 | + | 26 | .03450B | .00280 |
| 775 | ---- | ---- | ---- | .00270N | .00260 | - 0.00010 | .189 | ---- | 43 | 636 | + | 43 | .03050B | .00210A |
| 780 | ---- | ---- | ---- | .00190N | .00190 | UNCH | .145 | ---- | 65 | 1115 | + | 3 | .03200B | .00150 |
| 785 | ---- | ---- | ---- | .00130N | .00130 | UNCH | .106 | ---- | 28 | 1214 | - | 20 | .03130B | .00100 |
| 790 | ---- | ---- | ---- | .00090N | .00090 | UNCH | .077 | ---- | 1 | 200 | | UNCH | .03380B | .00070A |
| 795 | ---- | ---- | ---- | .00060N | .00060 | UNCH | .054 | ---- | ---- | 391 | | UNCH | .03230B | .00050A |
| 800 | ---- | ---- | ---- | .00045N | .00045 | UNCH | .041 | ---- | 61 | 514 | - | 30 | .02920B | .00035A |
| 805 | ---- | ---- | ---- | .00030N | .00035 | + 0.00005 | .032 | ---- | ---- | 356 | | UNCH | .03190B | .00025A |
| 810 | ---- | ---- | ---- | .00025N | .00025 | UNCH | .023 | ---- | ---- | 409 | | UNCH | .03190B | .00020A |
| 815 | ---- | ---- | ---- | .00015N | .00020 | + 0.00005 | .018 | ---- | ---- | 14 | | UNCH | .03070B | .00015 |
| 820 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .014 | ---- | ---- | 163 | | UNCH | .02980B | .00010 |
| 825 | ---- | ---- | ---- | .00010N | .00015 | + 0.00005 | .013 | ---- | ---- | 528 | | UNCH | .02710B | .00025A |
| 830 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .009 | ---- | ---- | 381 | | UNCH | .02460B | .00020A |
| 835 | ---- | ---- | ---- | .00005N | .00010 | + 0.00005 | .008 | ---- | ---- | 48 | | UNCH | .02240B | .00020A |
| 840 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .004 | ---- | ---- | 409 | | UNCH | .02020B | .00010 |
| 845 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .003 | ---- | ---- | 34 | | UNCH | .01830B | .00020A |
| 850 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .002 | ---- | ---- | 49 | | UNCH | .01650B | .00015A |
| 855 | ---- | ---- | ---- | ---- | .00005 | NEW | .001 | ---- | 15 | 15 | + | 15 | .01380B | .00005 |
| 860 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 95 | | UNCH | .01230B | .00015A |
| 865 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 6 | | UNCH | .01110B | .00010 |
| 870 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 4 | | UNCH | .00960B | .00020A |
| 875 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 90 | | UNCH | .00860B | .00030A |
| 880 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | .00760B | .00015A |
| 885 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 30 | | UNCH | .00670B | .00025A |
| 890 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1750 | | UNCH | .00600B | .00020A |
| 900 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 27 | | UNCH | .00460B | .00005 |
| 910 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH | .00360B | .00030A |
| 915 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH | .00310B | .00005 |
| TOTAL | | | | | | | | | 495 | 10272 | + | 192 | | |
| OCT18 | CAU OPT | (FUTURES SETT. | .75275 - | 8.5 ) | | | | | | | | | | |
| 670 | ---- | ---- | ---- | .08410N | .08320 | - 0.00090 | .989 | ---- | ---- | 31 | | UNCH | .09180B | .07950A |
| 675 | ---- | ---- | ---- | .07920N | .07830 | - 0.00090 | .985 | ---- | ---- | 7 | | UNCH | .10030B | .07460A |
| 680 | ---- | ---- | ---- | .07420N | .07340 | - 0.00080 | .982 | ---- | ---- | 3 | | UNCH | .10090B | .06970A |
| 685 | ---- | ---- | ---- | .06940N | .06860 | - 0.00080 | .975 | ---- | ---- | 3 | | UNCH | .10060B | .06490A |
| 690 | ---- | ---- | ---- | .06450N | .06370 | - 0.00080 | .966 | ---- | ---- | 4 | | UNCH | .09790B | .06010A |
| 695 | ---- | ---- | ---- | .05970N | .05890 | - 0.00080 | .955 | ---- | ---- | 2 | | UNCH | .09300B | .05530A |
| 700 | ---- | ---- | ---- | .05490N | .05410 | - 0.00080 | .943 | ---- | ---- | 5 | | UNCH | .08810B | .05070A |
| 705 | ---- | ---- | ---- | .05020N | .04950 | - 0.00070 | .926 | ---- | ---- | 4 | | UNCH | .08320B | .04610A |
| 710 | ---- | ---- | ---- | .04560N | .04490 | - 0.00070 | .909 | ---- | ---- | 4 | | UNCH | .07830B | .04160A |
| 715 | ---- | ---- | ---- | .04100N | .04040 | - 0.00060 | .883 | ---- | ---- | 1 | | UNCH | .07350B | .03720A |
| 750 | ---- | ---- | ---- | .01420N | .01390 | NEW | .554 | ---- | 30 | 30 | + | 30 | .04110B | .01190A |
| 755 | ---- | ---- | ---- | .01150N | .01130 | - 0.00020 | .488 | ---- | 206 | 646 | + | 201 | .03690B | .00940A |
| 770 | ---- | ---- | ---- | .00550N | .00550 | UNCH | .297 | ---- | ---- | 6 | | UNCH | .02520B | .00450A |
| 775 | ---- | ---- | ---- | .00420N | .00430 | + 0.00010 | .245 | ---- | ---- | 3 | | UNCH | .02190B | .00350A |
| 780 | ---- | ---- | ---- | .00320N | .00330 | + 0.00010 | .198 | ---- | ---- | 82 | | UNCH | .01870B | .00260A |
| 785 | ---- | ---- | ---- | .00240N | .00230 | - 0.00010 | .151 | ---- | 7 | 151 | + | 6 | .01580B | .00200A |
| 790 | ---- | ---- | ---- | .00180N | .00170 | - 0.00010 | .117 | ---- | ---- | 27 | | UNCH | .01310B | .00150A |
| 795 | ---- | ---- | ---- | .00130N | .00130 | UNCH | .092 | ---- | ---- | 57 | | UNCH | .01080B | .00110A |
| 800 | ---- | ---- | ---- | .00090N | .00110 | + 0.00020 | .077 | ---- | ---- | 79 | | UNCH | .00880B | .00080A |
| 805 | ---- | ---- | ---- | .00070N | .00090 | + 0.00020 | .063 | ---- | ---- | 7 | | UNCH | .00710B | .00060A |
| 810 | ---- | ---- | ---- | .00050N | .00070 | + 0.00020 | .050 | ---- | ---- | 6 | | UNCH | .00570B | .00045A |

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# CANADIAN DOLLAR CALL OPTIONS



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## FINAL



CAU OPT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CAU OPT | (FUTURES SETT. .75275 - 8.5 ) | | | | | | | | | | | | |
| 815 | ---- | ---- | ---- | .00035N | .00060+ | 0.00025 | .042 | ---- | 1 | 6 | UNCH | .00450B | .00035A |
| 820 | ---- | ---- | ---- | .00025N | .00050+ | 0.00025 | .035 | ---- | ---- | 3 | UNCH | .00360B | .00045A |
| 830 | ---- | ---- | ---- | .00015N | .00035+ | 0.00020 | .024 | ---- | ---- | 77 | UNCH | .00210B | .00040A |
| 835 | ---- | ---- | ---- | .00010N | .00025+ | 0.00015 | .018 | ---- | ---- | 136 | UNCH | .00160B | .00030A |
| 845 | ---- | ---- | ---- | .00005N | .00020+ | 0.00015 | .014 | ---- | ---- | 60 | UNCH | .00100B | .00025A |
| 850 | ---- | ---- | ---- | .00005N | .00015+ | 0.00010 | .010 | ---- | ---- | 4 | UNCH | .00070B | .00015 |
| 870 | ---- | ---- | ---- | ---- | .00010+ | 0.00010 | .006 | ---- | ---- | 25 | UNCH | .00030B | .00015 |
| TOTAL | | | | | | | | | 244 | 1469 + | 237 | | |
| DEC18 | CAU OPT | (FUTURES SETT. .75355 - 9.0 ) | | | | | | | | | | | | |
| 655 | ---- | ---- | ---- | .09870N | .09780- | 0.00090 | .988 | ---- | ---- | 141 | UNCH | .10020 | .09450A |
| 660 | ---- | ---- | ---- | .09380N | .09300- | 0.00080 | .985 | ---- | ---- | 97 | UNCH | .09990 | .08960A |
| 665 | ---- | ---- | ---- | .08900N | .08810- | 0.00090 | .980 | ---- | ---- | 70 | UNCH | .09640B | .08480A |
| 670 | ---- | ---- | ---- | .08410N | .08320- | 0.00090 | .975 | ---- | ---- | 25 | UNCH | .09150B | .08000A |
| 675 | ---- | ---- | ---- | .07930N | .07840- | 0.00090 | .967 | ---- | ---- | 16 | UNCH | .10030B | .07530A |
| 680 | ---- | ---- | ---- | .07450N | .07370- | 0.00080 | .958 | ---- | ---- | 14 | UNCH | .10070B | .07050A |
| 685 | ---- | ---- | ---- | .06970N | .06900- | 0.00070 | .948 | ---- | ---- | 5 | UNCH | .10060B | .06590A |
| 690 | ---- | ---- | ---- | .06510N | .06430- | 0.00080 | .935 | ---- | ---- | 4 | UNCH | .09770B | .06130A |
| 695 | ---- | ---- | ---- | .06040N | .05970- | 0.00070 | .918 | ---- | ---- | 4 | UNCH | .10040B | .05670A |
| 700 | ---- | ---- | ---- | .05590N | .05520- | 0.00070 | .902 | ---- | ---- | 4 | UNCH | .10030B | .05230A |
| 705 | ---- | ---- | ---- | .05140N | .05070- | 0.00070 | .882 | ---- | ---- | 2 | UNCH | .09580B | .04790A |
| 710 | ---- | ---- | ---- | .04700N | .04640- | 0.00060 | .858 | ---- | ---- | 1 | UNCH | .09110B | .04350A |
| 730 | ---- | ---- | ---- | .03070N | .03020- | 0.00050 | .731 | ---- | ---- | 1 | UNCH | .07240B | .02760A |
| 750 | ---- | ---- | ---- | .01740N | .01710- | 0.00030 | .547 | ---- | ---- | 121 | UNCH | .05460B | .01510A |
| 755 | ---- | ---- | ---- | .01470N | .01450- | 0.00020 | .494 | ---- | ---- | 80 | UNCH | .05040B | .01260A |
| 760 | ---- | ---- | ---- | .01240N | .01220- | 0.00020 | .442 | ---- | ---- | 143 | UNCH | .04620B | .01060A |
| 765 | ---- | ---- | ---- | .01030N | .01020- | 0.00010 | .391 | ---- | ---- | 241 | UNCH | .04220B | .00880A |
| 770 | ---- | ---- | ---- | .00850N | .00840- | 0.00010 | .341 | ---- | ---- | 155 | UNCH | .03840B | .00720A |
| 775 | ---- | ---- | ---- | .00690N | .00690 | UNCH | .295 | ---- | 15 | 100 - | 1 | .03920B | .00590A |
| 780 | ---- | ---- | ---- | .00560N | .00560 | UNCH | .252 | ---- | 1 | 54 | UNCH | .03580B | .00480A |
| 785 | ---- | ---- | ---- | .00450N | .00450 | UNCH | .213 | ---- | ---- | 163 | UNCH | .03480B | .00390A |
| 790 | ---- | ---- | ---- | .00360N | .00360 | UNCH | .178 | ---- | ---- | 72 | UNCH | .03950B | .00310A |
| 795 | ---- | ---- | ---- | .00290N | .00290 | UNCH | .149 | ---- | 50 | 82 + | 50 | .03640B | .00250A |
| 800 | ---- | ---- | ---- | .00230N | .00230 | UNCH | .123 | ---- | ---- | 203 | UNCH | .03310B | .00200A |
| 805 | ---- | ---- | ---- | .00180N | .00180 | UNCH | .100 | ---- | ---- | 1 | UNCH | .03000B | .00160A |
| 810 | ---- | ---- | ---- | .00140N | .00140 | UNCH | .081 | ---- | ---- | 96 | UNCH | .02710B | .00130A |
| 815 | ---- | ---- | ---- | .00110N | .00120+ | 0.00010 | .069 | ---- | ---- | 2 | UNCH | .02430B | .00100A |
| 820 | ---- | ---- | ---- | .00090N | .00090 | UNCH | .054 | ---- | ---- | 21 | UNCH | .02170B | .00080A |
| 825 | ---- | ---- | ---- | .00070N | .00080+ | 0.00010 | .047 | ---- | ---- | 6 | UNCH | .01940B | .00090A |
| 830 | ---- | ---- | ---- | .00050N | .00060+ | 0.00010 | .037 | ---- | ---- | 42 | UNCH | .01720B | .00050A |
| 835 | ---- | ---- | ---- | .00045N | .00045 | UNCH | .029 | ---- | ---- | 21 | UNCH | .01520B | .00045A |
| 840 | ---- | ---- | ---- | .00035N | .00035 | UNCH | .023 | ---- | ---- | 9 | UNCH | .01340B | .00050A |
| 845 | ---- | ---- | ---- | .00025N | .00025 | UNCH | .017 | ---- | ---- | 26 | UNCH | .01180B | .00030 |
| 850 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .013 | ---- | ---- | 117 | UNCH | .01030B | .00045A |
| 855 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .010 | ---- | ---- | 15 | UNCH | .00910B | .00035A |
| 860 | ---- | ---- | ---- | .00015N | .00010- | 0.00005 | .007 | ---- | ---- | 30 | UNCH | .00790B | .00030A |
| 880 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .002 | ---- | ---- | 2 | UNCH | .00460B | .00015A |
| 895 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .00300B | .00015A |
| 900 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 2 | UNCH | .00260 | .00020A |
| TOTAL | | | | | | | | | 66 | 2189 + | 49 | | |
| MAR19 | CAU OPT | (FUTURES SETT. .75505 - 9.0 ) | | | | | | | | | | | | |
| 770 | ---- | ---- | ---- | .01240N | .01220- | 0.00020 | .386 | ---- | ---- | 104 | UNCH | .03160B | .01100A |
| 780 | ---- | ---- | ---- | .00900N | .00900 | UNCH | .309 | ---- | ---- | 1 | UNCH | .03530B | .00800A |
| 790 | ---- | ---- | ---- | .00640N | .00660+ | 0.00020 | .243 | ---- | ---- | 67 | UNCH | .02890B | .00580A |
| 800 | ---- | ---- | ---- | .00460N | .00470+ | 0.00010 | .186 | ---- | ---- | 6 | UNCH | .02330B | .00420A |
| 820 | ---- | ---- | ---- | .00230N | .00240+ | 0.00010 | .105 | ---- | ---- | 3 | UNCH | .01430B | .00220A |
| 830 | ---- | ---- | ---- | .00160N | .00170+ | 0.00010 | .077 | ---- | ---- | 2 | UNCH | .01100B | .00160A |
| 840 | ---- | ---- | ---- | .00120N | .00120 | UNCH | .057 | ---- | ---- | 2 | UNCH | .00830B | .00130 |
| 880 | ---- | ---- | ---- | .00035N | .00035 | UNCH | .017 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 187 | | | |

WCD OPT

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | WCD OPT | (FUTURES SETT. .00) | | | | | | | | | | | |
| 755 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 155 | ---- | 122 | 2.45000B | .00500A |
| 760 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 117 | 1.99000B | .00500 |
| TOTAL | | | | | | | | | 157 | 0 - | 549 | | |
| JUL18 | WCD OPT | (FUTURES SETT. .75150 - 8.0 ) | | | | | | | | | | | |
| 725 | ---- | ---- | ---- | ---- | 2.73000- | 0.08000 | .992 | ---- | ---- | 1 | UNCH | 5.02000B | 2.35000 |
| 750 | ---- | ---- | ---- | ---- | .64000- | 0.06000 | .576 | ---- | ---- | 30 | UNCH | 1.32000B | .47000A |
| 750 | ---- | ---- | ---- | ---- | .51000- | 0.01000 | .604 | ---- | 1 | 78 | UNCH | 2.56000B | .29000A |
| 755 | ---- | ---- | ---- | ---- | .26000+ | 0.01000 | .381 | ---- | 40 | 617 - | 32 | 2.10000B | .11000 |
| 755 | ---- | ---- | ---- | ---- | .39000- | 0.05000 | .417 | ---- | 7 | 52 + | 7 | .96000B | .28000A |
| 760 | ---- | ---- | ---- | ---- | .12000+ | 0.02000 | .199 | ---- | 122 | 622 + | 122 | 1.66000B | .05000A |
| 760 | ---- | ---- | ---- | ---- | .22000- | 0.04000 | .271 | ---- | ---- | 84 | UNCH | .66000B | .16000A |
| 765 | ---- | ---- | ---- | ---- | .11000- | 0.03000 | .155 | ---- | ---- | 135 | UNCH | .43000B | .09000A |
| 770 | ---- | ---- | ---- | ---- | .02000+ | 0.00500 | .034 | ---- | 6 | 233 - | 4 | .91000B | .01500A |
| 775 | ---- | ---- | ---- | ---- | .00500 | UNCH | .008 | ---- | ---- | 152 | UNCH | .62000B | .01000A |
| 775 | ---- | ---- | ---- | ---- | .02500- | 0.01000 | .040 | ---- | ---- | 318 | UNCH | .15000B | .03000A |
| 780 | ---- | ---- | ---- | ---- | .01500- | 0.00500 | .023 | ---- | ---- | 8 | UNCH | .05000 | .02000A |
| TOTAL | | | | | | | | | 176 | 2330 + | 93 | | |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

ADDITIONAL CANADIAN DOLLAR PUTS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CAU OPT | | | | | | | | | | | |
| JUN18 | CAU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 725 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 60 UNCH | .00010B | .00005 |
| 730 | ---- | ---- | ---- | ---- | .00005+ 0.00005 | .003 | ---- | ---- | 7 UNCH | .00020 | .00005A |
| 735 | ---- | ---- | ---- | ---- | .00015+ 0.00010 | .014 | ---- | 156 | 284 + 156 | .00040B | .00005A |
| 740 | ---- | ---- | ---- | ---- | .00035+ 0.00020 | .046 | ---- | 89 | 538 + 89 | .00080B | .00010 |
| 745 | ---- | ---- | ---- | ---- | .00090+ 0.00040 | .143 | ---- | 138 | 952 + 61 | .00180B | .00010A |
| 750 | ---- | ---- | ---- | ---- | .00220+ 0.00060 | .361 | ---- | 783 | 1688 + 293 | .00380B | .00025A |
| 755 | ---- | ---- | ---- | ---- | .00480+ 0.00090 | .654 | ---- | 252 | 395 + 96 | .00720B | .00045A |
| 760 | ---- | ---- | ---- | ---- | .00850+ 0.00090 | .870 | ---- | ---- | 46 UNCH | .01180B | .00090A |
| 765 | ---- | ---- | ---- | ---- | .01300+ 0.00100 | .960 | ---- | ---- | 227 UNCH | .01670B | .00150A |
| 770 | ---- | ---- | ---- | ---- | .01780+ 0.00090 | .990 | ---- | 1 | 288 - 1 | .02160B | .00250A |
| 775 | ---- | ---- | ---- | ---- | .02270+ 0.00090 | .996 | ---- | 1 | 531 + 1 | .02660B | .00390A |
| 780 | ---- | ---- | ---- | ---- | .02770+ 0.00090 | .999 | ---- | ---- | 198 UNCH | .03160B | .00580A |
| 785 | ---- | ---- | ---- | ---- | .03270+ 0.00090 | .999 | ---- | ---- | 4 UNCH | .03660B | .00840A |
| 790 | ---- | ---- | ---- | ---- | .03770+ 0.00090 | 1.000 | ---- | ---- | 4 UNCH | .04160B | .01170A |
| 795 | ---- | ---- | ---- | ---- | .04270+ 0.00090 | 1.000 | ---- | ---- | 1 UNCH | .04660B | .01540A |
| 815 | ---- | ---- | ---- | ---- | .06270+ 0.00090 | 1.000 | ---- | ---- | 2 UNCH | .06660B | .03350A |
| 820 | ---- | ---- | ---- | ---- | .06770+ 0.00090 | 1.000 | ---- | ---- | 2 UNCH | .07160B | .03840A |
| 825 | ---- | ---- | ---- | ---- | .07270+ 0.00090 | 1.000 | ---- | ---- | 1 UNCH | .07660B | .04330A |
| 845 | ---- | ---- | ---- | ---- | .09270+ 0.00090 | 1.000 | ---- | ---- | 1 UNCH | .09660B | .06320A |
| 875 | ---- | ---- | ---- | ---- | .12270+ NEW | 1.000 | ---- | 1 | 1 + 1 | .12660B | .09310A |
| TOTAL | | | | | | | | 1421 | 5230 + 696 | | |
| JUL18 | CAU OPT | (FUTURES SETT. | .75150 - | 8.0 ) | | | | | | | |
| 705 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | 1 | 1 + 1 | .00080B | .00005 |
| 710 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 1 UNCH | .00110B | .00010 |
| 715 | ---- | ---- | ---- | ---- | .00005+ 0.00005 | .002 | ---- | ---- | 2 UNCH | .00140B | .00025A |
| 720 | ---- | ---- | ---- | ---- | .00035+ 0.00015 | .040 | ---- | ---- | 25 UNCH | .00040B | .00020A |
| 720 | ---- | ---- | ---- | ---- | .00005+ 0.00005 | .007 | ---- | 30 | 86 - 14 | .00180B | .00005 |
| 725 | ---- | ---- | ---- | ---- | .00035+ 0.00015 | .044 | ---- | 46 | 74 + 46 | .00045B | .00020A |
| 725 | ---- | ---- | ---- | ---- | .00060+ 0.00020 | .066 | ---- | 30 | 48 + 30 | .00070 | .00035A |
| 725 | ---- | ---- | ---- | .00005N | .00015+ 0.00010 | .021 | ---- | ---- | 2 UNCH | .00240B | .00010A |
| 730 | ---- | ---- | ---- | ---- | .00060+ 0.00020 | .074 | ---- | 100 | 116 + 76 | .00080B | .00015A |
| 730 | ---- | ---- | ---- | ---- | .00090+ 0.00020 | .098 | ---- | 19 | 69 UNCH | .00120B | .00060A |
| 730 | ---- | ---- | ---- | .00015N | .00025+ 0.00010 | .037 | ---- | 660 | 591 + 433 | .00300B | .00010A |
| 735 | ---- | ---- | ---- | ---- | .00110+ NEW | .127 | ---- | 6 | 6 + 6 | .00150B | .00015A |
| 735 | ---- | ---- | ---- | .00030N | .00050+ 0.00020 | .073 | ---- | 126 | 563 - 41 | .00370B | .00010A |
| 740 | ---- | ---- | ---- | ---- | .00180+ 0.00030 | .199 | ---- | 5 | 113 UNCH | .00250B | .00025A |
| 740 | ---- | ---- | ---- | ---- | .00240+ 0.00040 | .229 | ---- | ---- | 5 UNCH | .00320B | .00180A |
| 740 | ---- | ---- | ---- | .00070N | .00100+ 0.00030 | .142 | ---- | 1702 | 1262 + 922 | .00510 | .00015 |
| 745 | ---- | ---- | ---- | ---- | .00300+ 0.00050 | .303 | ---- | ---- | 44 UNCH | .00420B | .00045A |
| 745 | ---- | ---- | ---- | ---- | .00380+ 0.00060 | .327 | ---- | 15 | 59 + 3 | .00490B | .00250 |
| 745 | ---- | ---- | ---- | ---- | .00430+ 0.00070 | .339 | ---- | ---- | 60 UNCH | .00550B | .00340A |
| 745 | ---- | ---- | ---- | .00140N | .00190+ 0.00050 | .253 | ---- | 68 | 381 - 34 | .00580B | .00020 |
| 750 | ---- | ---- | ---- | ---- | .00480+ 0.00060 | .432 | ---- | 50 | 259 + 50 | .00650B | .00080A |
| 750 | ---- | ---- | ---- | ---- | .00570+ 0.00080 | .440 | ---- | 20 | 178 + 14 | .00720B | .00370A |
| 750 | ---- | ---- | ---- | ---- | .00610+ 0.00070 | .443 | ---- | 78 | 206 UNCH | .00780B | .00510A |
| 750 | ---- | ---- | ---- | .00280N | .00350+ 0.00070 | .413 | ---- | 163 | 1128 - 25 | .00720B | .00040 |
| 755 | ---- | ---- | ---- | ---- | .00720+ 0.00070 | .571 | ---- | 148 | 186 + 128 | .00950B | .00130A |
| 755 | ---- | ---- | ---- | ---- | .00820+ 0.00100 | .560 | ---- | 26 | 636 + 26 | .01010B | .00550A |
| 755 | ---- | ---- | ---- | ---- | .00850+ 0.00080 | .556 | ---- | 150 | 185 + 147 | .01070B | .00730A |
| 755 | ---- | ---- | ---- | .00510N | .00600+ 0.00090 | .596 | ---- | 122 | 1253 + 14 | .00880B | .00070A |
| 760 | ---- | ---- | ---- | ---- | .01050+ 0.00080 | .702 | ---- | 1 | 126 UNCH | .01320B | .00190A |
| 760 | ---- | ---- | ---- | ---- | .01120+ 0.00100 | .677 | ---- | ---- | 1 UNCH | .01370B | .00790A |
| 760 | ---- | ---- | ---- | .00850N | .00940+ 0.00090 | .759 | ---- | 24 | 1483 - 1 | .01240B | .00100 |
| 765 | ---- | ---- | ---- | ---- | .01430+ 0.00090 | .809 | ---- | ---- | 77 UNCH | .01750B | .00290A |
| 765 | ---- | ---- | ---- | .01260N | .01350+ 0.00090 | .874 | ---- | ---- | 1572 UNCH | .01690B | .00150 |
| 770 | ---- | ---- | ---- | ---- | .01860+ 0.00090 | .884 | ---- | ---- | 365 UNCH | .02210B | .00420A |
| 770 | ---- | ---- | ---- | .01720N | .01810+ 0.00090 | .935 | ---- | 6 | 1893 UNCH | .02180B | .00200A |
| 775 | ---- | ---- | ---- | ---- | .02320+ 0.00090 | .932 | ---- | ---- | 175 UNCH | .02690B | .00590A |
| 775 | ---- | ---- | ---- | .02200N | .02290+ 0.00090 | .968 | ---- | ---- | 991 UNCH | .02670B | .00260 |
| 780 | ---- | ---- | ---- | ---- | .02800+ 0.00090 | .959 | ---- | ---- | 16 UNCH | .03180B | .00820A |
| 780 | ---- | ---- | ---- | .02690N | .02780+ 0.00090 | .978 | ---- | ---- | 1546 UNCH | .03170B | .00360A |
| 785 | ---- | ---- | ---- | ---- | .03290+ 0.00090 | .973 | ---- | ---- | 2 UNCH | .03670B | .01100A |
| 785 | ---- | ---- | ---- | .03190N | .03280+ 0.00090 | .986 | ---- | ---- | 461 UNCH | .03640B | .00480A |
| 790 | ---- | ---- | ---- | ---- | .03780+ 0.00090 | .980 | ---- | ---- | 1 UNCH | .04170B | .01440A |
| 790 | ---- | ---- | ---- | ---- | .03790+ NEW | .974 | ---- | 1 | 1 + 1 | .04170B | .03510A |
| 790 | ---- | ---- | ---- | .03690N | .03770+ 0.00080 | .993 | ---- | ---- | 281 UNCH | .04140B | .00630A |
| 795 | ---- | ---- | ---- | .04180N | .04270+ 0.00090 | .997 | ---- | ---- | 27 UNCH | .04640B | .00810A |
| 795 | ---- | ---- | ---- | ---- | .04270+ 0.00080 | .987 | ---- | 1 | 2 + 1 | .04640B | .01820A |
| 795 | ---- | ---- | ---- | ---- | .04280+ 0.00090 | .977 | ---- | ---- | 1 UNCH | .04660B | .04000A |
| 800 | ---- | ---- | ---- | .04680N | .04770+ 0.00090 | .999 | ---- | ---- | 26 UNCH | .05140B | .01030A |
| 805 | ---- | ---- | ---- | ---- | .05270+ 0.00090 | .996 | ---- | ---- | 1 UNCH | .05640B | .02680A |
| 805 | ---- | ---- | ---- | .05180N | .05270+ 0.00090 | .999 | ---- | ---- | 4 UNCH | .05640B | .01790A |
| 810 | ---- | ---- | ---- | ---- | .05770+ 0.00090 | .998 | ---- | ---- | 3 UNCH | .06140B | .03140A |
| 810 | ---- | ---- | ---- | .05680N | .05770+ 0.00090 | .999 | ---- | ---- | 5 UNCH | .06140B | .01600A |
| 815 | ---- | ---- | ---- | ---- | .06260+ 0.00080 | .999 | ---- | ---- | 2 UNCH | .06640B | .03620A |
| 815 | ---- | ---- | ---- | .06180N | .06270+ 0.00090 | .999 | ---- | ---- | 4 UNCH | .06640B | .01940A |
| 820 | ---- | ---- | ---- | ---- | .06760+ 0.00080 | .999 | ---- | ---- | 3 UNCH | .07140B | .04100A |
| 820 | ---- | ---- | ---- | .06680N | .06770+ 0.00090 | .999 | ---- | ---- | 5 UNCH | .07140B | .02310A |
| 825 | ---- | ---- | ---- | ---- | .07260+ 0.00080 | .999 | ---- | ---- | 3 UNCH | .07640B | .04590A |
| 825 | ---- | ---- | ---- | .07180N | .07270+ 0.00090 | 1.000 | ---- | ---- | 1 UNCH | .07640B | .02710A |
| 830 | ---- | ---- | ---- | .07680N | .07770+ 0.00090 | 1.000 | ---- | ---- | 5 UNCH | .08140B | .03130A |
| 835 | ---- | ---- | ---- | .08180N | .08270+ 0.00090 | 1.000 | ---- | ---- | 4 UNCH | .08640B | .03570A |
| 840 | ---- | ---- | ---- | .08680N | .08770+ 0.00090 | 1.000 | ---- | ---- | 6 UNCH | .09140B | .04030A |
| 845 | ---- | ---- | ---- | .09180N | .09270+ 0.00090 | 1.000 | ---- | ---- | 3 UNCH | .09640B | .04500A |
| 850 | ---- | ---- | ---- | .09680N | .09770+ 0.00090 | 1.000 | ---- | ---- | 1 UNCH | .10060B | .04980A |
| 855 | ---- | ---- | ---- | .10180N | .10260+ 0.00080 | 1.000 | ---- | ---- | 1 UNCH | .10030B | .05460A |
| 860 | ---- | ---- | ---- | .10680N | .10760+ 0.00080 | 1.000 | ---- | ---- | 1 UNCH | .10030B | .05950A |
| 875 | ---- | ---- | ---- | .12180N | .12260+ 0.00080 | 1.000 | ---- | ---- | 4 UNCH | .10150B | .07430A |
| 885 | ---- | ---- | ---- | .13180N | .13260+ 0.00080 | 1.000 | ---- | ---- | 1 UNCH | .10040B | .08420A |
| 890 | ---- | ---- | ---- | .13680N | .13760+ 0.00080 | 1.000 | ---- | ---- | 1 UNCH | .10050B | .08910A |
| TOTAL | | | | | | | | 3598 | 16644 + 1783 | | |
| AUG18 | CAU OPT | (FUTURES SETT. | .75190 - | 8.0 ) | | | | | | | |
| 680 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 1 UNCH | ---- | ---- |
| 695 | ---- | ---- | ---- | .00005N | .00005 UNCH | .005 | ---- | ---- | 16 UNCH | .00010 | .00010 |
| 705 | ---- | ---- | ---- | .00010N | .00015+ 0.00005 | .016 | ---- | ---- | 30 UNCH | .00020B | .00015A |
| 710 | ---- | ---- | ---- | .00020N | .00025+ 0.00005 | .026 | ---- | ---- | 39 UNCH | .00035 | .00010A |
| 715 | ---- | ---- | ---- | .00035N | .00040+ 0.00005 | .041 | ---- | ---- | 86 UNCH | .00050B | .00010A |
| 720 | ---- | ---- | ---- | .00050N | .00070+ 0.00020 | .066 | ---- | ---- | 456 UNCH | .00080 | .00015 |
| 725 | ---- | ---- | ---- | .00080N | .00100+ 0.00020 | .094 | ---- | 1 | 317 + 1 | .00130B | .00020A |
| 730 | ---- | ---- | ---- | .00130N | .00160+ 0.00030 | .140 | ---- | 61 | 193 + 59 | .00200B | .00030A |
| 735 | ---- | ---- | ---- | .00200N | .00230+ 0.00030 | .193 | ---- | 17 | 728 + 10 | .00300B | .00040A |
| 740 | ---- | ---- | ---- | .00300N | .00340+ 0.00040 | .265 | ---- | 130 | 404 - 35 | .00430B | .00060A |
| 745 | ---- | ---- | ---- | .00430N | .00480+ 0.00050 | .349 | ---- | 12 | 573 - 12 | .00620B | .00080A |
| 750 | ---- | ---- | ---- | .00610N | .00670+ 0.00060 | .447 | ---- | 102 | 1344 + 40 | .00850B | .00110A |
| 755 | ---- | ---- | ---- | .00840N | .00920+ 0.00080 | .550 | ---- | 26 | 640 + 26 | .01150 | .00140A |
| 760 | ---- | ---- | ---- | .01140N | .01220+ 0.00080 | .651 | ---- | 30 | 1092 + 30 | .01470B | .00190A |
| 765 | ---- | ---- | ---- | .01480N | .01570+ 0.00090 | .742 | ---- | ---- | 946 UNCH | .01850B | .00240A |
| 770 | ---- | ---- | ---- | .01870N | .01960+ 0.00090 | .819 | ---- | 1 | 287 UNCH | .02280B | .00310A |
| 775 | ---- | ---- | ---- | .02300N | .02390+ 0.00090 | .877 | ---- | ---- | 106 UNCH | .02730B | .00400A |
| 780 | ---- | ---- | ---- | .02750N | .02840+ 0.00090 | .914 | ---- | ---- | 22 UNCH | .03200B | .00510A |
| 785 | ---- | ---- | ---- | .03230N | .03320+ 0.00090 | .944 | ---- | ---- | 39 UNCH | .03680B | .00640A |
| 790 | ---- | ---- | ---- | .03710N | .03790+ 0.00080 | .964 | ---- | ---- | 7 UNCH | .04170B | .00800A |
| 795 | ---- | ---- | ---- | .04200N | .04280+ 0.00080 | .976 | ---- | ---- | 33 UNCH | .04670B | .00990A |
| 800 | ---- | ---- | ---- | .04690N | .04770+ 0.00080 | .982 | ---- | 2 | 1 - 1 | .05160B | .01210A |
| 805 | ---- | ---- | ---- | .05180N | .05270+ 0.00090 | .988 | ---- | ---- | 2 UNCH | .05660B | .01470A |
| 810 | ---- | ---- | ---- | .05680N | .05770+ 0.00090 | .988 | ---- | ---- | 1 UNCH | .06150B | .01770A |
| 820 | ---- | ---- | ---- | .06680N | .06760+ 0.00080 | .996 | ---- | ---- | 2 UNCH | .07130B | .02450A |
| 830 | ---- | ---- | ---- | .07670N | .07760+ 0.00090 | .999 | ---- | ---- | 1 UNCH | .08120B | .03240A |
| 850 | ---- | ---- | ---- | .09670N | .09750+ 0.00080 | .999 | ---- | ---- | 4 UNCH | .10040B | .05020A |
| 860 | ---- | ---- | ---- | .10660N | .10750+ 0.00090 | .999 | ---- | ---- | 2 UNCH | .10020B | .05970A |
| 865 | ---- | ---- | ---- | .11160N | .11250+ 0.00090 | .999 | ---- | ---- | 1 UNCH | .10030B | .06450A |
| 870 | ---- | ---- | ---- | .11660N | .11750+ 0.00090 | 1.000 | ---- | ---- | 2 UNCH | .10050B | .06940A |
| 875 | ---- | ---- | ---- | .12160N | .12250+ 0.00090 | 1.000 | ---- | ---- | 1 UNCH | .10130B | .07430A |
| TOTAL | | | | | | | | 382 | 7376 + 118 | | |
| SEP18 | CAU OPT | (FUTURES SETT. | .75230 - | 8.5 ) | | | | | | | |
| 650 | ---- | ---- | ---- | ---- | .00005+ 0.00005 | .000 | ---- | 9 | 37 + 9 | .00005 | .00005 |
| 660 | ---- | ---- | ---- | ---- | .00005+ 0.00005 | .001 | ---- | ---- | 33 UNCH | .00040B | .00005 |
| 670 | ---- | ---- | ---- | .00005N | .00005 UNCH | .004 | ---- | ---- | 30 UNCH | .00080 | .00005A |
| 675 | ---- | ---- | ---- | .00005N | .00010+ 0.00005 | .008 | ---- | ---- | 27 UNCH | .00050B | .00005 |
| 680 | ---- | ---- | ---- | .00010N | .00015+ 0.00005 | .011 | ---- | ---- | 205 UNCH | .00140 | .00005 |
| 685 | ---- | ---- | ---- | .00010N | .00015+ 0.00005 | .012 | ---- | ---- | 30 UNCH | .00150 | .00010A |
| 690 | ---- | ---- | ---- | .00015N | .00020+ 0.00005 | .016 | ---- | ---- | 102 UNCH | .00140B | .00010 |
| 695 | ---- | ---- | ---- | .00025N | .00030+ 0.00005 | .024 | ---- | ---- | 226 UNCH | .00280B | .00010A |
| 700 | ---- | ---- | ---- | .00040N | .00045+ 0.00005 | .035 | ---- | 1 | 90 + 1 | .00320B | .00015A |
| 705 | ---- | ---- | ---- | .00060N | .00060 UNCH | .046 | ---- | 20 | 444 + 20 | .00370B | .00015A |
| 710 | ---- | ---- | ---- | .00080N | .00090+ 0.00010 | .066 | ---- | 20 | 250 UNCH | .00430B | .00020A |
| 715 | ---- | ---- | ---- | .00120N | .00130+ 0.00010 | .091 | ---- | 6 | 353 + 1 | .00500B | .00025A |
| 720 | ---- | ---- | ---- | .00160N | .00180+ 0.00020 | .121 | ---- | 1 | 349 UNCH | .00570B | .00035A |
| 725 | ---- | ---- | ---- | .00220N | .00240+ 0.00020 | .156 | ---- | 8 | 340 UNCH | .00650B | .00045A |
| 730 | ---- | ---- | ---- | .00290N | .00330+ 0.00040 | .203 | ---- | 5 | 204 + 5 | .00750B | .00070A |
| 735 | ---- | ---- | ---- | .00390N | .00430+ 0.00040 | .254 | ---- | ---- | 276 UNCH | .00850B | .00090A |
| 740 | ---- | ---- | ---- | .00510N | .00560+ 0.00050 | .314 | ---- | 11 | 558 - 10 | .00960B | .00120A |
| 745 | ---- | ---- | ---- | .00670N | .00720+ 0.00050 | .382 | ---- | 63 | 564 + 50 | .01090B | .00150A |
| 750 | ---- | ---- | ---- | .00860N | .00920+ 0.00060 | .457 | ---- | 3 | 952 - 1 | .01230B | .00190A |
| 755 | ---- | ---- | ---- | .01100N | .01160+ 0.00060 | .535 | ---- | 10 | 535 UNCH | .01380B | .00240A |
| 760 | ---- | ---- | ---- | .01380N | .01450+ 0.00070 | .612 | ---- | ---- | 479 UNCH | .01680B | .00300A |
| 765 | ---- | ---- | ---- | .01700N | .01770+ 0.00070 | .685 | ---- | ---- | 63 UNCH | .02010B | .00370A |
| 770 | ---- | ---- | ---- | .02060N | .02130+ 0.00070 | .751 | ---- | ---- | 513 UNCH | .02400B | .00450 |

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# CANADIAN DOLLAR PUT OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAU OPT | | | | | | | | | | | | | | |
| | CAU OPT | (FUTURES SETT. .75230 - 8.5 ) | | | | | | | | | | | | |
| 775 | ---- | ---- | ---- | .02450N | .02530+ | 0.00080 | .810 | ---- | ---- | 604 | UNCH | .02820B | .00550A | |
| 780 | ---- | ---- | ---- | .02870N | .02950+ | 0.00080 | .854 | ---- | ---- | 192 | UNCH | .03260B | .00660A | |
| 785 | ---- | ---- | ---- | .03310N | .03390+ | 0.00080 | .893 | ---- | ---- | 167 | UNCH | .03710B | .00770A | |
| 790 | ---- | ---- | ---- | .03760N | .03850+ | 0.00090 | .922 | ---- | ---- | 63 | UNCH | .04190B | .00880A | |
| 795 | ---- | ---- | ---- | .04230N | .04320+ | 0.00090 | .945 | ---- | ---- | 56 | UNCH | .04670B | .01020A | |
| 800 | ---- | ---- | ---- | .04710N | .04800+ | 0.00090 | .958 | ---- | ---- | 55 | UNCH | .05150B | .01170A | |
| 805 | ---- | ---- | ---- | .05200N | .05280+ | 0.00080 | .968 | ---- | ---- | 2 | UNCH | .05640B | .01350A | |
| 810 | ---- | ---- | ---- | .05690N | .05770+ | 0.00080 | .976 | ---- | ---- | 11 | UNCH | .06130B | .01550A | |
| 825 | ---- | ---- | ---- | .07170N | .07250+ | 0.00080 | .986 | ---- | ---- | 1 | UNCH | .07610B | .02270A | |
| 835 | ---- | ---- | ---- | .08160N | .08250+ | 0.00090 | .991 | ---- | ---- | 1 | UNCH | .08610B | .02870A | |
| 840 | ---- | ---- | ---- | .08660N | .08740+ | 0.00080 | .995 | ---- | ---- | 5 | UNCH | .09100B | .03210A | |
| 845 | ---- | ---- | ---- | .09150N | .09240+ | 0.00090 | .996 | ---- | ---- | 6 | UNCH | .09600B | .03700A | |
| 850 | ---- | ---- | ---- | .09650N | .09740+ | 0.00090 | .997 | ---- | ---- | 17 | UNCH | .10020B | .05090A | |
| 855 | ---- | ---- | ---- | .10150N | .10240+ | 0.00090 | .998 | ---- | ---- | 2 | UNCH | .10030B | .05550A | |
| 860 | ---- | ---- | ---- | .10640N | .10730+ | 0.00090 | .999 | ---- | ---- | 3 | UNCH | .10020B | .06020A | |
| 865 | ---- | ---- | ---- | .11140N | .11230+ | 0.00090 | .999 | ---- | ---- | 8 | UNCH | .10000B | .06490A | |
| 870 | ---- | ---- | ---- | .11640N | .11730+ | 0.00090 | .999 | ---- | ---- | 9 | UNCH | .10060B | .06960A | |
| 875 | ---- | ---- | ---- | .12140N | .12230+ | 0.00090 | .999 | ---- | ---- | 3 | UNCH | .10120B | .07440A | |
| 880 | ---- | ---- | ---- | .12640N | .12720+ | 0.00080 | .999 | ---- | ---- | 1 | UNCH | .10140B | .07930A | |
| 885 | ---- | ---- | ---- | .13130N | .13220+ | 0.00090 | .999 | ---- | ---- | 2 | UNCH | .10080B | .08410A | |
| TOTAL | | | | | | | | | 157 | 7868 + | 75 | | | |
| OCT18 | CAU OPT | (FUTURES SETT. .75275 - 8.5 ) | | | | | | | | | | | | |
| 670 | ---- | ---- | ---- | .00010N | .00015+ | 0.00005 | .010 | ---- | ---- | 2 | UNCH | .00020 | .00020 | |
| 680 | ---- | ---- | ---- | .00020N | .00025+ | 0.00005 | .017 | ---- | ---- | 21 | UNCH | .00025B | .00020 | |
| 685 | ---- | ---- | ---- | .00030N | .00035+ | 0.00005 | .024 | ---- | ---- | 1 | UNCH | .00040 | .00015A | |
| 690 | ---- | ---- | ---- | .00040N | .00050+ | 0.00010 | .033 | ---- | ---- | 25 | UNCH | .00050B | .00015A | |
| 695 | ---- | ---- | ---- | .00050N | .00070+ | 0.00020 | .044 | ---- | ---- | 3 | UNCH | .00070B | .00020A | |
| 700 | ---- | ---- | ---- | .00070N | .00090+ | 0.00020 | .056 | ---- | ---- | 20 | UNCH | .00100B | .00025A | |
| 710 | ---- | ---- | ---- | .00130N | .00150+ | 0.00020 | .090 | ---- | ---- | 22 | UNCH | .00180B | .00040A | |
| 715 | ---- | ---- | ---- | .00180N | .00200+ | 0.00020 | .116 | ---- | ---- | 35 | UNCH | .00240B | .00050A | |
| 720 | ---- | ---- | ---- | .00240N | .00260+ | 0.00020 | .146 | ---- | ---- | 14 | UNCH | .00310B | .00070A | |
| 725 | ---- | ---- | ---- | .00310N | .00340+ | 0.00030 | .182 | ---- | ---- | 55 | UNCH | .00390B | .00090A | |
| 730 | ---- | ---- | ---- | .00390N | .00430+ | 0.00040 | .223 | ---- | ---- | 23 | UNCH | .00500B | .00110A | |
| 735 | ---- | ---- | ---- | .00500N | .00540+ | 0.00040 | .269 | ---- | ---- | 56 | UNCH | .00630B | .00140A | |
| 740 | ---- | ---- | ---- | .00630N | .00680+ | 0.00050 | .323 | ---- | ---- | 64 | UNCH | .00790B | .00180A | |
| 745 | ---- | ---- | ---- | .00790N | .00840+ | NEW | .381 | ---- | 85 | 85 + | 85 | .00980B | .00230A | |
| 750 | ---- | ---- | ---- | .00980N | .01040+ | 0.00060 | .445 | ---- | 66 | 77 + | 66 | .01210B | .00280A | |
| 755 | ---- | ---- | ---- | .01200N | .01280+ | 0.00080 | .511 | ---- | 17 | 80 + | 17 | .01470B | .00350A | |
| 765 | ---- | ---- | ---- | .01770N | .01850+ | 0.00080 | .642 | ---- | ---- | 1 | UNCH | .02090B | .00550A | |
| 775 | ---- | ---- | ---- | .02470N | .02570+ | 0.00100 | .754 | ---- | ---- | 60 | UNCH | .02800B | .00830A | |
| 810 | ---- | ---- | ---- | .05580N | .05690+ | 0.00110 | .949 | ---- | ---- | 2 | UNCH | .06010B | .02700A | |
| 815 | ---- | ---- | ---- | .06060N | .06170+ | 0.00110 | .957 | ---- | ---- | 5 | UNCH | .06490B | .03080A | |
| 820 | ---- | ---- | ---- | .06550N | .06660+ | 0.00110 | .964 | ---- | ---- | 3 | UNCH | .06980B | .03480A | |
| 825 | ---- | ---- | ---- | .07040N | .07150+ | 0.00110 | .971 | ---- | ---- | 5 | UNCH | .07470B | .03890A | |
| 830 | ---- | ---- | ---- | .07530N | .07640+ | 0.00110 | .975 | ---- | ---- | 4 | UNCH | .07970B | .04330A | |
| 860 | ---- | ---- | ---- | .10500N | .10600+ | 0.00100 | .992 | ---- | ---- | 5 | UNCH | .10010B | .07120A | |
| TOTAL | | | | | | | | | 168 | 668 + | 168 | | | |
| DEC18 | CAU OPT | (FUTURES SETT. .75355 - 9.0 ) | | | | | | | | | | | | |
| 650 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .008 | ---- | ---- | 300 | UNCH | .00020 | .00015A | |
| 655 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .011 | ---- | ---- | 322 | UNCH | .00025 | .00010A | |
| 660 | ---- | ---- | ---- | .00025N | .00025 | UNCH | .014 | ---- | ---- | 113 | UNCH | .00030 | .00010A | |
| 665 | ---- | ---- | ---- | .00030N | .00035+ | 0.00005 | .019 | ---- | ---- | 157 | UNCH | .00040B | .00015A | |
| 670 | ---- | ---- | ---- | .00040N | .00045+ | 0.00005 | .024 | ---- | ---- | 110 | UNCH | .00050B | .00020A | |
| 675 | ---- | ---- | ---- | .00060N | .00060 | UNCH | .032 | ---- | ---- | 91 | UNCH | .00070 | .00020A | |
| 680 | ---- | ---- | ---- | .00070N | .00080+ | 0.00010 | .041 | ---- | ---- | 10 | UNCH | .00090B | .00025A | |
| 685 | ---- | ---- | ---- | .00090N | .00100+ | 0.00010 | .051 | ---- | 8 | 92 + | 8 | .00120B | .00035A | |
| 690 | ---- | ---- | ---- | .00120N | .00130+ | 0.00010 | .064 | ---- | ---- | 200 | UNCH | .00150B | .00045A | |
| 695 | ---- | ---- | ---- | .00150N | .00170+ | 0.00020 | .081 | ---- | ---- | 346 | UNCH | .00190B | .00060A | |
| 700 | ---- | ---- | ---- | .00190N | .00210+ | 0.00020 | .097 | ---- | 24 | 262 + | 16 | .00340B | .00080A | |
| 705 | ---- | ---- | ---- | .00240N | .00260+ | 0.00020 | .118 | ---- | 10 | 24 + | 1 | .00380B | .00080A | |
| 710 | ---- | ---- | ---- | .00290N | .00320+ | 0.00030 | .141 | ---- | ---- | 151 | UNCH | .00440B | .00110A | |
| 715 | ---- | ---- | ---- | .00360N | .00390+ | 0.00030 | .167 | ---- | ---- | 38 | UNCH | .00500B | .00120A | |
| 720 | ---- | ---- | ---- | .00440N | .00470+ | 0.00030 | .196 | ---- | ---- | 20 | UNCH | .00580B | .00160A | |
| 725 | ---- | ---- | ---- | .00540N | .00570+ | 0.00030 | .230 | ---- | ---- | 328 | UNCH | .00660B | .00190 | |
| 730 | ---- | ---- | ---- | .00650N | .00690+ | 0.00040 | .268 | ---- | ---- | 116 | UNCH | .00780B | .00210A | |
| 735 | ---- | ---- | ---- | .00780N | .00820+ | 0.00040 | .309 | ---- | ---- | 47 | UNCH | .00930B | .00250A | |
| 740 | ---- | ---- | ---- | .00920N | .00970+ | 0.00050 | .353 | ---- | ---- | 127 | UNCH | .01100B | .00300A | |
| 745 | ---- | ---- | ---- | .01100N | .01150+ | 0.00050 | .402 | ---- | ---- | 23 | UNCH | .01300B | .00350A | |
| 750 | ---- | ---- | ---- | .01300N | .01360+ | 0.00060 | .452 | ---- | 2 | 239 + | 1 | .01530B | .00410A | |
| 755 | ---- | ---- | ---- | .01530N | .01590+ | 0.00060 | .505 | ---- | ---- | 67 | UNCH | .01780B | .00480A | |
| 760 | ---- | ---- | ---- | .01790N | .01860+ | 0.00070 | .557 | ---- | ---- | 84 | UNCH | .02060B | .00570A | |
| 765 | ---- | ---- | ---- | .02070N | .02150+ | 0.00080 | .608 | ---- | ---- | 112 | UNCH | .02370B | .00660A | |
| 770 | ---- | ---- | ---- | .02390N | .02470+ | 0.00080 | .658 | ---- | ---- | 72 | UNCH | .02680B | .00740A | |
| 775 | ---- | ---- | ---- | .02730N | .02810+ | 0.00080 | .704 | ---- | ---- | 52 | UNCH | .03020B | .00840A | |
| 780 | ---- | ---- | ---- | .03090N | .03180+ | 0.00090 | .747 | ---- | ---- | 42 | UNCH | .03400B | .00940A | |
| 785 | ---- | ---- | ---- | .03480N | .03570+ | 0.00090 | .786 | ---- | ---- | 59 | UNCH | .03800B | .01060A | |
| 795 | ---- | ---- | ---- | .04300N | .04390+ | 0.00090 | .850 | ---- | ---- | 16 | UNCH | .04640B | .01340A | |
| 800 | ---- | ---- | ---- | .04740N | .04830+ | 0.00090 | .876 | ---- | ---- | 41 | UNCH | .05080B | .01500A | |
| 805 | ---- | ---- | ---- | .05190N | .05280+ | 0.00090 | .899 | ---- | ---- | 12 | UNCH | .05540B | .01680A | |
| 810 | ---- | ---- | ---- | .05650N | .05740+ | 0.00090 | .918 | ---- | ---- | 3 | UNCH | .06010B | .01890A | |
| 815 | ---- | ---- | ---- | .06110N | .06210+ | 0.00100 | .930 | ---- | ---- | 1 | UNCH | .06470B | .02100A | |
| 820 | ---- | ---- | ---- | .06580N | .06680+ | 0.00100 | .945 | ---- | ---- | 40 | UNCH | .06950B | .02340A | |
| 830 | ---- | ---- | ---- | .07540N | .07640+ | 0.00100 | .962 | ---- | ---- | 1 | UNCH | .07920B | .02880A | |
| 840 | ---- | ---- | ---- | .08510N | .08600+ | 0.00090 | .976 | ---- | ---- | 8 | UNCH | .08890B | .03490A | |
| 845 | ---- | ---- | ---- | .09000N | .09090+ | 0.00090 | .982 | ---- | ---- | 2 | UNCH | .09380B | .03820A | |
| 850 | ---- | ---- | ---- | .09490N | .09580+ | 0.00090 | .986 | ---- | ---- | 8 | UNCH | .09870B | .05190A | |
| 870 | ---- | ---- | ---- | .11460N | .11550+ | 0.00090 | .996 | ---- | ---- | 2 | UNCH | .10030B | .06950A | |
| 875 | ---- | ---- | ---- | .11950N | .12040+ | 0.00090 | .997 | ---- | ---- | 18 | UNCH | .10050B | .07410A | |
| 880 | ---- | ---- | ---- | .12450N | .12530+ | 0.00080 | .997 | ---- | ---- | 16 | UNCH | .10100B | .07880A | |
| 885 | ---- | ---- | ---- | .12940N | .13030+ | 0.00090 | .998 | ---- | ---- | 9 | UNCH | .10100B | .08350A | |
| TOTAL | | | | | | | | | 44 | 3781 + | 26 | | | |
| MAR19 | CAU OPT | (FUTURES SETT. .75505 - 9.0 ) | | | | | | | | | | | | |
| 710 | ---- | ---- | ---- | .00510N | .00530+ | 0.00020 | .179 | ---- | ---- | 1 | UNCH | .00600B | .00290A | |
| 720 | ---- | ---- | ---- | .00690N | .00720+ | 0.00030 | .231 | ---- | ---- | 2 | UNCH | .00770B | .00330A | |
| 730 | ---- | ---- | ---- | .00920N | .00960+ | 0.00040 | .293 | ---- | ---- | 24 | UNCH | .01040B | .00400A | |
| 740 | ---- | ---- | ---- | .01220N | .01270+ | 0.00050 | .365 | ---- | ---- | 1 | UNCH | .01360B | .00520A | |
| 755 | ---- | ---- | ---- | .01820N | .01880+ | 0.00060 | .487 | ---- | ---- | 1 | UNCH | .02040B | .00730A | |
| 760 | ---- | ---- | ---- | .02060N | .02130+ | 0.00070 | .529 | ---- | ---- | 5 | UNCH | .02310B | .00820A | |
| 785 | ---- | ---- | ---- | .03620N | .03720+ | 0.00100 | .724 | ---- | ---- | 35 | UNCH | .03910B | .01490A | |
| 790 | ---- | ---- | ---- | .04000N | .04100+ | 0.00100 | .756 | ---- | ---- | 4 | UNCH | .04290B | .01670A | |
| TOTAL | | | | | | | | | 0 | 73 | | | | |
| WCD OPT | | | | | | | | | | | | | | |
| JUN18 | WCD OPT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 750 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 80 | ---- | 306 | .32000B | .00500 | |
| TOTAL | | | | | | | | | 80 | 0 - | 1019 | | | |
| JUL18 | WCD OPT | (FUTURES SETT. .75150 - 8.0 ) | | | | | | | | | | | | |
| 725 | ---- | ---- | ---- | ---- | .00500+ | NEW | .007 | ---- | 120 | 120 + | 120 | .01000B | .00500 | |
| 730 | ---- | ---- | ---- | ---- | .01000+ | 0.00500 | .015 | ---- | ---- | 200 | UNCH | .02500B | .01000A | |
| 740 | ---- | ---- | ---- | ---- | .06000+ | 0.03000 | .099 | ---- | ---- | 1 | UNCH | .10000B | .01000A | |
| 745 | ---- | ---- | ---- | ---- | .24000+ | 0.01000 | .280 | ---- | ---- | 138 | UNCH | .38000B | .15000A | |
| 745 | ---- | ---- | ---- | ---- | .30000+ | NEW | .304 | ---- | 3 | 3 + | 3 | .45000B | .25000A | |
| 745 | ---- | ---- | ---- | ---- | .13000+ | 0.05000 | .209 | ---- | 288 | 344 + | 174 | .23000B | .02000A | |
| 750 | ---- | ---- | ---- | ---- | .41000+ | 0.02000 | .423 | ---- | ---- | 237 | UNCH | .61000B | .24000A | |
| 750 | ---- | ---- | ---- | ---- | .28000+ | 0.08000 | .395 | ---- | 104 | 209 + | 102 | .44000B | .03000A | |
| 755 | ---- | ---- | ---- | ---- | .66000+ | 0.04000 | .582 | ---- | ---- | 240 | UNCH | .92000B | .38000A | |
| 755 | ---- | ---- | ---- | ---- | .53000+ | 0.10000 | .618 | ---- | ---- | 110 | UNCH | .76000B | .06000A | |
| 760 | ---- | ---- | ---- | ---- | .89000+ | 0.11000 | .800 | ---- | ---- | 3 | UNCH | 1.20000B | .11000A | |
| 760 | ---- | ---- | ---- | ---- | .99000+ | 0.05000 | .728 | ---- | ---- | 226 | UNCH | 1.30000B | .58000 | |
| 765 | ---- | ---- | ---- | ---- | 1.38000+ | 0.06000 | .844 | ---- | ---- | 1 | UNCH | 1.73000B | .84000A | |
| 765 | ---- | ---- | ---- | ---- | 1.32000+ | 0.10000 | .912 | ---- | ---- | 204 | UNCH | 1.67000B | .20000A | |
| 770 | ---- | ---- | ---- | ---- | 1.82000+ | 0.07000 | .921 | ---- | ---- | 1 | UNCH | 2.20000B | 1.17000 | |
| 770 | ---- | ---- | ---- | ---- | 1.79000+ | 0.09000 | .965 | ---- | ---- | 105 | UNCH | 2.17000B | .35000A | |
| 775 | ---- | ---- | ---- | ---- | 2.28000+ | 0.09000 | .991 | ---- | ---- | 45 | UNCH | 2.66000B | .58000A | |
| TOTAL | | | | | | | | | 515 | 2187 + | 399 | | | |

** Option prices quoted per Daily Information Bulletin convention. For example, a Canadian Dollar options price of 1.58 on this page is equivalent to 1.58 x 0.01 = 0.0158 when the price is quoted in full. The cash price of the option is 0.0158 x 100,000 (contract size) = $1,580.00.**

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# FX CALL OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



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EXPIRATION:

## FX OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 |
|---|---|---|---|---|---|---|
| RB1 | JUN18 | 1350-1670 | 1350-1670 | | 1370-1670 | 1370-1670 |
| | JUL18 | 1370-1670 | 1370-1670 | 1380-1670 | | |
| RE1 | JUN18 | 1130-1420 | 1130-1420 | | 1120-1420 | 1120-1420 |
| | JUL18 | 1120-1420 | 1120-1420 | 1130-1420 | | |
| KR1 | JUN18 | 830-990 | 830-990 | 830-990 | 835-990 | 835-990 |
| | JUL18 | 835-990 | 835-990 | 835-995 | | |

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D# | 409-524 | 423-526 | 423-526 | 423-526 | 425-529 | | 425-529 | | | 428-525 | | | 431-494 |
| E# | 357-420 | 360-419 | 360-419 | 360-419 | 359-419 | | 359-419 | | | 359-418 | | | 358-411 |
| V# | 336-432 | 330-435 | 330-435 | 330-435 | 332-438 | | 332-438 | | | 334-433 | | | 336-401 |
| W# | 288-353 | 281-350 | 281-350 | 281-350 | 280-348 | | 280-348 | | | 279-345 | | | 278-335 |
| I# | 238-326 | 241-326 | 241-326 | 241-326 | 242-327 | | 242-327 | | | 243-324 | | | 244-303 |
| T# | 204-264 | 203-263 | 203-263 | 203-263 | 203-261 | | 203-261 | | | 202-260 | | | 201-253 |
| RBO | 1350-1670 | 1370-1670 | 1380-1670 | 1390-1660 | 1390-1660 | 1390-1660 | 1400-1660 | 1420-1660 | 1410-1650 | 1410-1650 | 1410-1650 | 1410-1630 | 1400-1650 |
| REO | 1130-1430 | 1120-1420 | 1130-1420 | 1130-1410 | 1140-1400 | 1130-1400 | 1130-1390 | 1130-1390 | 1130-1380 | 1120-1380 | 1150-1370 | 1170-1370 | 1170-1360 |
| KRO | 830-990 | 835-990 | 835-995 | 835-995 | 845-995 | 855-995 | 855-995 | 855-1000 | 855-1000 | 855-1000 | 860-995 | 860-990 | 860-960 |

## FX FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | RTH VOLUME | ETH VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| POLISH (US) F | | | | | | | | | |
| SEP18 | 0.2653 | )0.2695B | *0.2653A | 0.2658 ( 3.7622) - 302 | ---- | 1 | 9 UNCH | .2782B | .2653A |
| TOTAL POLISH (US) F | | | | | 0 | 1 | 9 | | |
| WON/USD FUT | | | | | | | | | |
| JUL18 | 0.0008923 | )0.0008962B | )0.0008887A | 0.0008888 (1125.113) - 0 | ---- | 6 | 299 UNCH | .0009426B | .0008887A |
| AUG18 | ---- | )0.0008969B | )0.0008894A | 0.0008894 (1124.353) - 0 | ---- | ---- | 6 UNCH | .0009453B | .0008894A |
| SEP18 | ---- | ---- | ---- | 0.0008905 (1122.965) - 0 | ---- | ---- | 31 UNCH | ---- | .0009200A |
| TOTAL WON/USD FUT | | | | | 0 | 6 | 336 | | |

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| CHP FUT | | | | | | | | | |
| JUL18 | ---- | ---- | ---- | ---- )00125 | ---- | 7 | 100 UNCH | | |
| AUG18 | ---- | ---- | ---- | ---- )00126 | ---- | 7 | 254 + 7 | | |
| TOTAL CHP FUT | | | | | 0 | 14 | 354 + 7 | | |
| CNH FUT | | | | | | | | | |
| JUL18 | 6.6044 | #6.6288B | 6.5826A | 6.6224 ( .1510) +).0335 | ---- | 30 | 85 + 6 | 6.6288B | 6.2686A |
| AUG18 | 6.5968 | #6.6365B | 6.5902A | 6.6310 ( .1508) +).0346 | ---- | 74 | 45 + 30 | 6.6365B | 6.2837A |
| SEP18 | 6.6000 | 6.6471B | 6.5998A | 6.6414 ( .1506) +).0363 | ---- | 183 | 477 + 23 | 6.8368B | 6.2877A |
| DEC18 | ---- | 6.6606B | 6.6247A | 6.6642 ( .1501) +).0376 | ---- | ---- | 47 UNCH | 7.1742B | 6.3105A |
| MAR19 | ---- | 6.6815B | 6.6459A | 6.6852 ( .1496) +).0378 | ---- | ---- | 6 UNCH | 6.8428B | 6.3306A |
| SEP19 | ---- | 6.7263B | ---- | 6.7253 ( .1487) +).0369 | ---- | ---- | 1 UNCH | 7.1300B | 6.3798A |
| TOTAL CNH FUT | | | | | 0 | 287 | 661 + 59 | | |
| INR/USD FUT | | | | | | | | | |
| JUN18 | 146.110 | 146.250B | 145.860A | 145.930 ( .0069) -0.330 | ---- | 116 | 750 - 14 | 149.790B | 145.180 |
| JUL18 | 145.600 | 145.640B | *144.320A | 144.370 ( .0069) -0.930 | ---- | 4624 | 1080 + 493 | 148.750 | 144.320A |
| AUG18 | 143.710 | !143.710 | *143.710 | 143.690 ( .0070) NEW | ---- | 1 | 1 + 1 | 143.710 | 143.710 |
| TOTAL INR/USD FUT | | | | | 0 | 4741 | 1831 + 480 | | |
| MICRO INR/USD F | | | | | | | | | |
| JUN18 | ---- | ---- | 145.870A | 145.930 ( .0069) -0.330 | ---- | ---- | 55 UNCH | 149.800B | 145.170A |
| JUL18 | 145.450 | 145.660B | *144.330A | 144.370 ( .0069) -0.930 | ---- | 323 | 585 + 148 | 148.750 | 144.330A |
| TOTAL MICRO INR/USD F | | | | | 0 | 323 | 640 + 148 | | |

## FX CALLS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADDITIONAL FX CALLS **SETT. PRICE**** | | | | | | | | | | | |
| WAD OPT | | | | | | | | | | | |
| JUN18 | WAD OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 645 | ---- | ---- | ---- | ---- | 9.04000 - 0.42000 | 1.000 | 1 | ---- | ---- 1 | 10.03000 | 8.97000 |
| 650 | ---- | ---- | ---- | ---- | 8.54000 - 0.42000 | 1.000 | 1 | ---- | ---- 1 | 9.54000 | 8.47000 |
| 725 | ---- | ---- | ---- | ---- | 1.04000 - 0.42000 | 1.000 | 2 | ---- | ---- 2 | 4.31000 | 1.05000 |
| 740 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | 52 | ---- 25 | 2.84000 | .00500 |
| 745 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | 20 | ---- 200 | 2.36000 | .00500 |
| 750 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- 119 | 1.90000 | .01500 |
| 760 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- 10 | 1.07000 | .02500 |
| 765 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- 5 | .73000 | .01500 |
| TOTAL | | | | | | | | 72 | 0 - 363 | | |
| JUL18 | WAD OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 710 | ---- | ---- | ---- | ---- | 2.57000 - 0.41000 | .958 | ---- | ---- | 1 UNCH | 3.57000 | 2.32000 |
| 715 | ---- | ---- | ---- | ---- | 2.05000 NEW | .976 | ---- | 1 | 1 + 1 | 4.76000 | 1.79000 |
| 715 | ---- | ---- | ---- | ---- | 2.13000 - 0.39000 | .896 | ---- | ---- | 1 UNCH | 2.97000 | 1.90000 |
| 720 | ---- | ---- | ---- | ---- | 1.57000 - 0.40000 | .948 | ---- | ---- | 1 UNCH | 4.26000 | 1.31000 |
| 740 | ---- | ---- | ---- | ---- | .31000 - 0.17000 | .357 | ---- | ---- | 3 UNCH | .78000 | .23000 |
| 740 | ---- | ---- | ---- | ---- | .14000 - 0.18000 | .268 | ---- | ---- | 39 UNCH | 2.35000 | .09000 |
| 745 | ---- | ---- | ---- | ---- | .16000 - 0.11000 | .216 | ---- | ---- | 30 UNCH | .64000 | .12000 |
| 745 | ---- | ---- | ---- | ---- | .05000 - 0.08000 | .105 | ---- | 6 | 81 UNCH | 1.90000 | .03000 |
| 750 | ---- | ---- | ---- | ---- | .08000 - 0.06000 | .119 | ---- | 9 | 25 + 9 | .29000 | .06000 |
| 750 | ---- | ---- | ---- | ---- | .01500 - 0.03000 | .032 | ---- | 23 | 53 - 13 | 1.48000 | .01000 |
| 755 | ---- | ---- | ---- | ---- | .00500 - 0.01000 | .010 | ---- | 12 | 79 - 1 | 1.10000 | .00500 |
| 760 | ---- | ---- | ---- | ---- | CAB ---- | .001 | ---- | ---- | 34 UNCH | .77000 | .01500 |
| 765 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 31 UNCH | .53000 | .03000 |
| 775 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 30 UNCH | .20000 | .02500 |
| 780 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 50 UNCH | .09000 | .01500 |
| TOTAL | | | | | | | | 51 | 459 - 4 | | |
| WEC OPT | | | | | | | | | | | |
| JUL18 | WEC OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1090 | ---- | ---- | ---- | ---- | .07280 - 0.00950 | .999 | ---- | ---- | 1 UNCH | .10050 | .06850 |
| 1095 | ---- | ---- | ---- | ---- | .06780 - 0.00940 | .992 | ---- | ---- | 1 UNCH | .08350 | .06360 |
| 1100 | ---- | ---- | ---- | ---- | .06290 - 0.00940 | .984 | ---- | ---- | 1 UNCH | .07850 | .06150 |
| 1110 | ---- | ---- | ---- | ---- | .05280 - 0.00950 | .998 | ---- | ---- | 1 UNCH | .08110 | .04860 |
| 1115 | ---- | ---- | ---- | ---- | .04780 - 0.00950 | .995 | ---- | ---- | 1 UNCH | .07610 | .04370 |
| 1120 | ---- | ---- | ---- | ---- | .04290 - 0.00940 | .991 | ---- | ---- | 2 UNCH | .07110 | .03880 |
| 1125 | ---- | ---- | ---- | ---- | .03830 - 0.00920 | .949 | ---- | ---- | 1 UNCH | .05410 | .03470 |
| 1130 | ---- | ---- | ---- | ---- | .03300 - 0.00940 | .979 | ---- | 1 | 1 UNCH | .06300 | .02930 |
| 1140 | ---- | ---- | ---- | ---- | .02330 NEW | .935 | ---- | 1 | 1 + 1 | .05310 | .02030 |
| 1145 | ---- | ---- | ---- | ---- | .02000 - 0.00820 | .817 | ---- | ---- | 1 UNCH | .03460 | .01760 |

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# FX CALL OPTIONS



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*CME Group, Inc.*
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## FINAL



| WEC OPT | WEC OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1145 | ---- | ---- | ---- | ---- | .01870 | - 0.00890 | .898 | ---- | ---- | 1 | UNCH | .04820 | .01610 |
| 1150 | ---- | ---- | ---- | ---- | .01430 | - 0.00850 | .831 | ---- | ---- | 2 | UNCH | .04330 | .01230 |
| 1155 | ---- | ---- | ---- | ---- | .01020 | - 0.00790 | .733 | ---- | ---- | 9 | UNCH | .03840 | .00890 |
| 1160 | ---- | ---- | ---- | ---- | .00670 | - 0.00700 | .594 | ---- | ---- | 43 | UNCH | .03360 | .00590 |
| 1165 | ---- | ---- | ---- | ---- | .00630 | - 0.00540 | .453 | ---- | 89 | 139 | + 89 | .01690 | .00570 |
| 1165 | ---- | ---- | ---- | ---- | .00400 | - 0.00570 | .427 | ---- | 90 | 413 | + 87 | .02890 | .00350 |
| 1170 | ---- | ---- | ---- | ---- | .00420 | - 0.00440 | .343 | ---- | 152 | 206 | + 152 | .01310 | .00380 |
| 1170 | ---- | ---- | ---- | ---- | .00220 | - 0.00410 | .268 | ---- | 377 | 627 | + 278 | .02440 | .00190 |
| 1175 | ---- | ---- | ---- | ---- | .00270 | - 0.00330 | .244 | ---- | 425 | 515 | + 376 | .00980 | .00250 |
| 1175 | ---- | ---- | ---- | ---- | .00110 | - 0.00270 | .147 | ---- | 44 | 530 | + 44 | .02010 | .00100 |
| 1175 | ---- | ---- | ---- | ---- | .00370 | - 0.00350 | .280 | ---- | ---- | 51 | UNCH | .01100 | .00340 |
| 1180 | ---- | ---- | ---- | ---- | .00170 | - 0.00230 | .166 | ---- | ---- | 87 | UNCH | .00700 | .00160 |
| 1180 | ---- | ---- | ---- | ---- | .00060 | - 0.00150 | .080 | ---- | 9 | 870 | + 5 | .01600 | .00060 |
| 1180 | ---- | ---- | ---- | ---- | .00250 | - 0.00260 | .205 | ---- | ---- | 50 | UNCH | .00840 | .00230 |
| 1185 | ---- | ---- | ---- | ---- | .00030 | - 0.00080 | .040 | ---- | 1 | 281 | + 1 | .01260 | .00030 |
| 1190 | ---- | ---- | ---- | ---- | .00070 | - 0.00090 | .073 | ---- | ---- | 200 | UNCH | .00320 | .00070 |
| 1190 | ---- | ---- | ---- | ---- | .00015 | - 0.00045 | .019 | ---- | 9 | 155 | - 7 | .00980 | .00020 |
| 1195 | ---- | ---- | ---- | ---- | .00010 | - 0.00020 | .011 | ---- | ---- | 110 | UNCH | .00740 | .00015 |
| 1200 | ---- | ---- | ---- | ---- | .00030 | - 0.00030 | .032 | ---- | ---- | 10 | UNCH | .00120 | .00035 |
| 1205 | ---- | ---- | ---- | ---- | .00005 | - 0.00005 | .002 | ---- | ---- | 33 | UNCH | .00400 | .00005 |
| 1210 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 26 | UNCH | .00280 | .00010 |
| 1230 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 8 | UNCH | .00070 | .00015 |
| TOTAL | | | | | | | | | 1198 | 4377 | + 1026 | | |

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUES: POLISH ZLOTY = $5.00, EURO/POLISH ZLOTY = E5.007, HUNGARIAN FORINT = $3.00, EURO?HUNGARIAN FORINT = E3.00, CZECH KORUNA = $4.00, EURO/CZECH KORUNA = E4.00. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### FX PUTS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADDITIONAL FX PUTS **SETT. PRICE**** | | | | | | | | | | | |
| WAD OPT | | | | | | | | | | | |
| JUN18 | WAD OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 700 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .01000 | .01000 |
| 730 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .22000 | .01000 |
| 735 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | 27 | ---- | .42000 | .00500 |
| 740 | ---- | ---- | ---- | ---- | .46000 + 0.30000 | 1.000 | 12 | 3 | ---- | .72000 | .04000 |
| 745 | ---- | ---- | ---- | ---- | .96000 + 0.40000 | 1.000 | 2 | ---- | ---- | 1.11000 | .07000 |
| 750 | ---- | ---- | ---- | ---- | 1.46000 + 0.42000 | 1.000 | 27 | ---- | ---- | 1.56000 | .10000 |
| TOTAL | | | | | | | | 30 | 0 - 149 | | |
| JUL18 | WAD OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 715 | ---- | ---- | ---- | ---- | .09000 NEW | .103 | ---- | 29 | 29 + 29 | .12000 | .05000 |
| 715 | ---- | ---- | ---- | ---- | .05000 + 0.01500 | .069 | ---- | ---- | 278 UNCH | .11000 | .03000 |
| 720 | ---- | ---- | ---- | ---- | .03000 + 0.01500 | .051 | ---- | 66 | 89 + 66 | .10000 | .01500 |
| 725 | ---- | ---- | ---- | ---- | .06000 + 0.03000 | .110 | ---- | ---- | 51 UNCH | .18000 | .02000 |
| 730 | ---- | ---- | ---- | ---- | .13000 + 0.06000 | .240 | ---- | ---- | 77 UNCH | .32000 | .03000 |
| 735 | ---- | ---- | ---- | ---- | .29000 + 0.13000 | .475 | ---- | 220 | 341 + 117 | .52000 | .04000 |
| 735 | ---- | ---- | ---- | ---- | .49000 + 0.18000 | .483 | ---- | ---- | 32 UNCH | .64000 | .22000 |
| 740 | ---- | ---- | ---- | ---- | .60000 + 0.24000 | .731 | ---- | 16 | 102 + 16 | .81000 | .07000 |
| 740 | ---- | ---- | ---- | ---- | .77000 + 0.25000 | .642 | ---- | ---- | 110 UNCH | .94000 | .36000 |
| 745 | ---- | ---- | ---- | ---- | 1.01000 + 0.34000 | .894 | ---- | ---- | 9 UNCH | 1.25000 | .11000 |
| 750 | ---- | ---- | ---- | ---- | 1.48000 + 0.39000 | .967 | ---- | ---- | 36 UNCH | 1.73000 | .17000 |
| 755 | ---- | ---- | ---- | ---- | 1.96000 + 0.41000 | .989 | ---- | ---- | 38 UNCH | 2.23000 | .30000 |
| 760 | ---- | ---- | ---- | ---- | 2.46000 + 0.42000 | .998 | ---- | ---- | 15 UNCH | 2.72000 | .47000 |
| 765 | ---- | ---- | ---- | ---- | 2.96000 + 0.42000 | .999 | ---- | ---- | 16 UNCH | 3.22000 | .71000 |
| TOTAL | | | | | | | | 331 | 1223 + 228 | | |
| WEC OPT | | | | | | | | | | | |
| JUN18 | WEC OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1135 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .00100 | .00005 |
| 1140 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .00140 | .00005 |
| 1145 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .00200 | .00005 |
| 1150 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .00280 | .00005 |
| 1155 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .00380 | .00010 |
| 1160 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | ---- | .00580 | .00005 |
| 1165 | ---- | ---- | ---- | ---- | .00220 + 0.00185 | 1.000 | 491 | 163 | ---- | .00880 | .00020 |
| 1170 | ---- | ---- | ---- | ---- | .00720 + 0.00590 | 1.000 | 575 | 66 | ---- | .01270 | .00060 |
| 1175 | ---- | ---- | ---- | ---- | .01220 + 0.00830 | 1.000 | 165 | 54 | ---- | .01710 | .00150 |
| 1180 | ---- | ---- | ---- | ---- | .01720 + 0.00920 | 1.000 | 75 | ---- | ---- | .02180 | .00240 |
| 1185 | ---- | ---- | ---- | ---- | .02220 + 0.00950 | 1.000 | 44 | 2 | ---- | .02670 | .00360 |
| 1190 | ---- | ---- | ---- | ---- | .02720 + 0.00950 | 1.000 | 2 | 1 | ---- | .03160 | .00540 |
| 1195 | ---- | ---- | ---- | ---- | .03220 + 0.00950 | 1.000 | ---- | 1 | ---- | .03660 | .00780 |
| 1200 | ---- | ---- | ---- | ---- | .03720 + 0.00950 | 1.000 | 1 | ---- | ---- | .04160 | .01080 |
| 1205 | ---- | ---- | ---- | ---- | .04220 + 0.00950 | 1.000 | 1 | ---- | ---- | .04650 | .01440 |
| 1210 | ---- | ---- | ---- | ---- | .04720 + 0.00950 | 1.000 | 1 | ---- | ---- | .05150 | .01840 |
| 1215 | ---- | ---- | ---- | ---- | .05220 + 0.00950 | 1.000 | 4 | ---- | ---- | .05650 | .02290 |
| 1220 | ---- | ---- | ---- | ---- | .05720 + 0.00950 | 1.000 | 3 | ---- | ---- | .06150 | .02750 |
| 1225 | ---- | ---- | ---- | ---- | .06220 + 0.00950 | 1.000 | 2 | ---- | ---- | .06650 | .03230 |
| 1230 | ---- | ---- | ---- | ---- | .06720 + 0.00950 | 1.000 | 1 | ---- | ---- | .07150 | .03720 |
| 1250 | ---- | ---- | ---- | ---- | .08720 + 0.00950 | 1.000 | 1 | ---- | ---- | .09150 | .05730 |
| 1260 | ---- | ---- | ---- | ---- | .09720 + 0.00950 | 1.000 | 1 | ---- | ---- | .10140 | .06720 |
| 1315 | ---- | ---- | ---- | ---- | .15220 + 0.00950 | 1.000 | 2 | ---- | ---- | .15640 | .13640 |
| TOTAL | | | | | | | | 287 | 0 - 3439 | | |
| JUL18 | WEC OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1125 | ---- | ---- | ---- | ---- | .00015 + 0.00010 | .014 | ---- | ---- | 20 UNCH | .00060 | .00010 |
| 1125 | ---- | ---- | ---- | ---- | .00060 + 0.00040 | .050 | ---- | ---- | 4 UNCH | .00130 | .00025 |
| 1130 | ---- | ---- | ---- | ---- | .00020 + 0.00010 | .020 | ---- | ---- | 3 UNCH | .00090 | .00015 |
| 1135 | ---- | ---- | ---- | ---- | .00035 + 0.00025 | .037 | ---- | ---- | 20 UNCH | .00130 | .00010 |
| 1135 | ---- | ---- | ---- | ---- | .00110 + 0.00065 | .094 | ---- | ---- | 104 UNCH | .00230 | .00040 |
| 1140 | ---- | ---- | ---- | ---- | .00060 + 0.00040 | .064 | ---- | 5 | 29 + 5 | .00190 | .00015 |
| 1140 | ---- | ---- | ---- | ---- | .00160 + 0.00090 | .134 | ---- | ---- | 201 UNCH | .00310 | .00060 |
| 1145 | ---- | ---- | ---- | ---- | .00090 + 0.00060 | .101 | ---- | 20 | 78 + 14 | .00270 | .00025 |
| 1145 | ---- | ---- | ---- | ---- | .00220 + 0.00120 | .182 | ---- | ---- | 139 UNCH | .00410 | .00080 |
| 1150 | ---- | ---- | ---- | ---- | .00150 + 0.00100 | .168 | ---- | 12 | 580 - 2 | .00380 | .00035 |
| 1150 | ---- | ---- | ---- | ---- | .00310 + 0.00170 | .249 | ---- | ---- | 150 UNCH | .00550 | .00110 |
| 1155 | ---- | ---- | ---- | ---- | .00240 + 0.00160 | .266 | ---- | ---- | 463 UNCH | .00540 | .00060 |
| 1160 | ---- | ---- | ---- | ---- | .00390 + 0.00250 | .405 | ---- | 175 | 188 + 108 | .00760 | .00080 |
| 1160 | ---- | ---- | ---- | ---- | .00610 + 0.00300 | .435 | ---- | ---- | 98 UNCH | .00960 | .00210 |
| 1165 | ---- | ---- | ---- | ---- | .00620 + 0.00380 | .572 | ---- | 410 | 652 + 351 | .01050 | .00110 |
| 1165 | ---- | ---- | ---- | ---- | .00850 + 0.00410 | .546 | ---- | ---- | 135 UNCH | .01230 | .00300 |
| 1170 | ---- | ---- | ---- | ---- | .00940 + 0.00540 | .731 | ---- | 21 | 957 + 2 | .01400 | .00160 |
| 1170 | ---- | ---- | ---- | ---- | .01140 + 0.00510 | .656 | ---- | ---- | 75 UNCH | .01560 | .00430 |
| 1175 | ---- | ---- | ---- | ---- | .01330 + 0.00680 | .852 | ---- | 2 | 428 + 1 | .01800 | .00220 |
| 1175 | ---- | ---- | ---- | ---- | .01490 + 0.00620 | .755 | ---- | ---- | 22 UNCH | .01930 | .00600 |
| 1180 | ---- | ---- | ---- | ---- | .01780 + 0.00800 | .919 | ---- | ---- | 39 UNCH | .02240 | .00320 |
| 1180 | ---- | ---- | ---- | ---- | .01890 + 0.00720 | .833 | ---- | ---- | 6 UNCH | .02340 | .00820 |
| 1185 | ---- | ---- | ---- | ---- | .02250 + 0.00870 | .959 | ---- | ---- | 5 UNCH | .02700 | .00460 |
| 1190 | ---- | ---- | ---- | ---- | .02740 + 0.00910 | .980 | ---- | ---- | 14 UNCH | .03180 | .00640 |
| 1200 | ---- | ---- | ---- | ---- | .03720 + 0.00940 | .994 | ---- | ---- | 2 UNCH | .04160 | .01170 |
| 1205 | ---- | ---- | ---- | ---- | .04220 + 0.00940 | .997 | ---- | ---- | 1 UNCH | .04660 | .01520 |
| 1210 | ---- | ---- | ---- | ---- | .04720 + 0.00950 | .999 | ---- | ---- | 2 UNCH | .05160 | .01910 |
| 1220 | ---- | ---- | ---- | ---- | .05720 + 0.00950 | .999 | ---- | ---- | 1 UNCH | .06150 | .02780 |
| 1220 | ---- | ---- | ---- | ---- | .05720 + 0.00940 | .990 | ---- | ---- | 2 UNCH | .06160 | .04160 |
| 1225 | ---- | ---- | ---- | ---- | .06220 + 0.00950 | .999 | ---- | ---- | 1 UNCH | .06650 | .03250 |
| 1230 | ---- | ---- | ---- | ---- | .06720 + 0.00950 | 1.000 | ---- | ---- | 1 UNCH | .07150 | .03730 |
| 1230 | ---- | ---- | ---- | ---- | .06720 NEW | .997 | ---- | 1 | 1 + 1 | .06860 | .05160 |
| 1235 | ---- | ---- | ---- | ---- | .07220 + 0.00950 | .998 | ---- | ---- | 1 UNCH | .07650 | .05650 |
| 1245 | ---- | ---- | ---- | ---- | .08220 + 0.00950 | 1.000 | ---- | ---- | 1 UNCH | .08650 | .05210 |
| 1250 | ---- | ---- | ---- | ---- | .08720 + 0.00950 | 1.000 | ---- | ---- | 2 UNCH | .09150 | .05700 |
| 1255 | ---- | ---- | ---- | ---- | .09220 + 0.00950 | 1.000 | ---- | ---- | 3 UNCH | .09650 | .06200 |
| 1260 | ---- | ---- | ---- | ---- | .09720 + 0.00950 | 1.000 | ---- | ---- | 1 UNCH | .10030 | .06880 |
| 1260 | ---- | ---- | ---- | ---- | .09710 + 0.00950 | .999 | ---- | ---- | 1 UNCH | .10020 | .08140 |
| 1265 | ---- | ---- | ---- | ---- | .10220 + 0.00950 | 1.000 | ---- | ---- | 2 UNCH | .10080 | .07380 |
| 1275 | ---- | ---- | ---- | ---- | .11210 + 0.00950 | 1.000 | ---- | ---- | 1 UNCH | .11000 | .09640 |
| TOTAL | | | | | | | | 646 | 4433 + 480 | | |

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# JAPANESE YEN CALL OPTIONS



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*CME Group, Inc.*
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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### JAPANESE YEN AMERICAN & EURO CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUL18 | AUG18 | SEP18 | OCT18 | DEC18 | MAR19 |
|---|---|---|---|---|---|---|
| JAPAN YEN FUT | 07/16 | 08/13 | 09/17 | 10/15 | 12/17 | 03/18 |

### JAPANESE YEN AMERICAN & EURO OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 |
|---|---|---|---|---|---|---|
| 1H | JUN18 | 1110-1495 | | 1130-1495 | 1130-1495 | 1130-1495 |
| | JUL18 | | 1130-1495 | 1130-1495 | 1130-1495 | |

### JAPANESE YEN FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| JAPAN YEN FUT | | | | | | | | | |
| JUL18 | 0.0090935 | .0091255 | .0090720A | .0090860 ( 110.06) - 8 | ---- | 542 | 464 + 22 | .009635 | .009016 |
| AUG18 | 0.0091270 | .0091380B | .0090865 | .0091035 ( 109.85) - 7 | ---- | 854 | 545 + 75 | .009424B | .009038A |
| SEP18 | 0.0091395 | .0091695 | .0091010 | .0091250 ( 109.59) - 8 | 158 | 171501 | 154336 + 2593 | .009670B | .008892A |
| OCT18 | ---- | ---- | ---- | .0091455 ( 109.34) - 8 | ---- | 570 | 50 + 7 | .009261B | .009266A |
| DEC18 | 0.0092000 | .0092280B | .0091685A | .0091875 ( 108.84) - 8 | ---- | 25 | 831 + 8 | .009723 | .008951A |
| MAR19 | ---- | ---- | ---- | .0092580 ( 108.01) - 9 | ---- | ---- | 42 UNCH | .009783 | .009013A |
| SEP19 | 0.0094795 | .0094795 | *.0093790 | .0094055 ( 106.32) - 9 | ---- | 2 | 3 UNCH | .009901B | .009379 |
| TOTAL JAPAN YEN FUT | | | | | 158 | 173494 | 156271 + 2705 | | |
| EC/JY CROSS RT | | | | | | | | | |
| SEP18 | 128.250 | 128.400B | 127.330A | 127.430 ( .0078) - 93 | 390 | 3207 | 27145 + 435 | 134.940 | 124.760A |
| TOTAL EC/JY CROSS RT | | | | | 390 | 3207 | 27145 + 435 | | |

JAP YEN (EU) FIXING PRICE: Oct18 0.0091080

### ADDITIONAL JAPANESE YEN CALL Options **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JPU OPT - 2JY | | | | | | | | | | | |
| JUL18 | JPU OPT - 2JY | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 905 | ---- | ---- | ---- | ---- | .000101- 0000050 | .712 | ---- | ---- | 56 UNCH | .000192B | .000077 |
| 910 | ---- | ---- | ---- | ---- | .000070- 0000040 | .575 | ---- | ---- | 158 UNCH | .000155B | .000053 |
| 915 | ---- | ---- | ---- | ---- | .000047- 0000030 | .433 | ---- | 20 | 338 + 20 | .000123B | .000036 |
| 920 | ---- | ---- | ---- | ---- | .000032- 0000010 | .313 | ---- | 2 | 227 UNCH | .000096B | .000025 |
| 925 | ---- | ---- | ---- | ---- | .000022- 0000010 | .223 | ---- | ---- | 418 UNCH | .000074B | .000017 |
| 930 | ---- | ---- | ---- | ---- | .000015 UNCH | .155 | ---- | ---- | 88 UNCH | .000058B | .000012 |
| 935 | ---- | ---- | ---- | ---- | .000011 UNCH | .112 | ---- | ---- | 251 UNCH | .000044B | .000008 |
| 940 | ---- | ---- | ---- | ---- | .000008 UNCH | .081 | ---- | ---- | 25 UNCH | .000033B | .000006 |
| 945 | ---- | ---- | ---- | ---- | .000006+ 0000010 | .060 | ---- | ---- | 20 UNCH | .000025B | .000004 |
| 950 | ---- | ---- | ---- | ---- | .000004 UNCH | .040 | ---- | ---- | 65 UNCH | .000019B | .000003 |
| 960 | ---- | ---- | ---- | ---- | .000002- 0000005 | .020 | ---- | ---- | 200 UNCH | .000011B | .000002 |
| 965 | ---- | ---- | ---- | ---- | .0000015 UNCH | .014 | ---- | ---- | 20 UNCH | .000009B | .000002 |
| 970 | ---- | ---- | ---- | ---- | .000001- 0000005 | .009 | ---- | ---- | 20 UNCH | .000007B | .000001 |
| 980 | ---- | ---- | ---- | ---- | .0000005- 0000005 | .004 | ---- | ---- | 20 UNCH | .0000045I | .000001 |
| 985 | ---- | ---- | ---- | ---- | .0000005 UNCH | .002 | ---- | ---- | 16 UNCH | .0000035I | .000001 |
| 990 | ---- | ---- | ---- | ---- | .0000005 UNCH | .001 | ---- | ---- | 16 UNCH | .000003B | .000001 |
| 1030 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 103 UNCH | .0000005 | .000000 |
| TOTAL | | | | | | | | 22 | 2041 + 20 | | |
| JPU OPT - 3JY | | | | | | | | | | | |
| JUL18 | JPU OPT - 3JY | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 910 | ---- | ---- | ---- | ---- | .000080- 0000040 | .564 | ---- | ---- | 359 UNCH | .000127B | .000062 |
| 915 | ---- | ---- | ---- | ---- | .000058- 0000030 | .445 | ---- | ---- | 28 UNCH | .000098B | .000045 |
| 920 | ---- | ---- | ---- | ---- | .000041- 0000020 | .340 | ---- | ---- | 161 UNCH | .000075B | .000032 |
| 925 | ---- | ---- | ---- | ---- | .000029- 0000020 | .253 | ---- | 30 | 35 + 19 | .000057B | .000024 |
| 930 | ---- | ---- | ---- | ---- | .000021- 0000010 | .188 | ---- | ---- | 69 UNCH | .000044 | .000017 |
| 935 | ---- | ---- | ---- | ---- | .000015- 0000010 | .138 | ---- | 154 | 89 + 84 | .000032B | .000012 |
| 940 | ---- | ---- | ---- | ---- | .000011- 0000010 | .102 | ---- | ---- | 2 UNCH | .000025B | .000009 |
| 945 | ---- | ---- | ---- | ---- | .000009 UNCH | .081 | ---- | ---- | 27 UNCH | .000020 | .000007 |
| 955 | ---- | ---- | ---- | ---- | .000005 UNCH | .045 | ---- | ---- | 15 UNCH | .000012B | .000004 |
| 975 | ---- | ---- | ---- | ---- | .000002 UNCH | .017 | ---- | ---- | 22 UNCH | .0000045I | .000002 |
| 980 | ---- | ---- | ---- | ---- | .0000015 UNCH | .012 | ---- | ---- | 20 UNCH | .0000035I | .000002 |
| 1025 | ---- | ---- | ---- | ---- | .0000005 UNCH | .000 | ---- | ---- | 68 UNCH | .0000005 | .000000 |
| 1040 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 33 UNCH | .0000005 | .000000 |
| 1080 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 68 UNCH | .0000005 | .000000 |
| TOTAL | | | | | | | | 184 | 996 + 103 | | |
| JPU OPT - 4JY | | | | | | | | | | | |
| JUL18 | JPU OPT - 4JY | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 915 | ---- | ---- | ---- | ---- | .000066 NEW | .452 | ---- | 127 | 127 + 127 | .000085B | .000057 |
| 920 | ---- | ---- | ---- | ---- | .000049- 0000020 | .357 | ---- | ---- | 90 UNCH | .000079B | .000042 |
| 925 | ---- | ---- | ---- | ---- | .000036 NEW | .277 | ---- | 51 | 51 + 51 | .000047B | .000031 |
| 930 | ---- | ---- | ---- | ---- | .000027- 0000010 | .214 | ---- | 24 | 137 + 24 | .000046B | .000023 |
| 935 | ---- | ---- | ---- | ---- | .000020- 0000010 | .163 | ---- | ---- | 25 UNCH | .000035B | .000017 |
| 1000 | ---- | ---- | ---- | ---- | .0000015 UNCH | .010 | ---- | ---- | 26 UNCH | .0000015 | .000001 |
| 1070 | ---- | ---- | ---- | ---- | .0000005+ 0000005 | .000 | ---- | 33 | 67 + 33 | .0000005 | .000000 |
| TOTAL | | | | | | | | 235 | 523 + 235 | | |
| JPU OPT - 5JY | | | | | | | | | | | |
| JUN18 | JPU OPT - 5JY | (FUTURES SETT. | .00) | | | | | | | | |
| 785 | ---- | ---- | ---- | ---- | .001275 NEW | 1.000 | ---- | 2 | 2 + 2 | .001345B | .001253 |
| 790 | ---- | ---- | ---- | ---- | .001225 NEW | 1.000 | ---- | 2 | 2 + 2 | .001295B | .001203 |
| 880 | ---- | ---- | ---- | ---- | .000325 NEW | 1.000 | ---- | 1 | 1 + 1 | .000491B | .000277 |
| 885 | ---- | ---- | ---- | ---- | .000275 NEW | 1.000 | ---- | 1 | 1 + 1 | .000441B | .000228 |
| 910 | ---- | ---- | ---- | ---- | .000038- 0000090 | .700 | ---- | 20 | 122 + 10 | .000208B | .000025 |
| 915 | ---- | ---- | ---- | ---- | .000015- 0000060 | .317 | ---- | 21 | 359 + 4 | .000169B | .000009 |
| 920 | ---- | ---- | ---- | ---- | .000006- 0000020 | .107 | ---- | 78 | 1325 + 49 | .000134B | .000003 |
| 925 | ---- | ---- | ---- | ---- | .0000025- 0000010 | .034 | ---- | 3 | 1586 UNCH | .000126B | .000001 |
| 930 | ---- | ---- | ---- | ---- | .000001- 0000005 | .009 | ---- | ---- | 729 UNCH | .000080B | .000001 |
| 935 | ---- | ---- | ---- | ---- | .0000005- 0000005 | .003 | ---- | ---- | 182 UNCH | .000076B | .000000 |
| 940 | ---- | ---- | ---- | ---- | .0000005 UNCH | .000 | ---- | ---- | 94 UNCH | .000059B | .000001 |
| 945 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 15 UNCH | .000035B | .000000 |
| 950 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 42 UNCH | .000026B | .000000 |
| 955 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 7 UNCH | .000020B | .000001 |
| 960 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 20 UNCH | .000015B | .000000 |
| 965 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 3 UNCH | .000011B | .000000 |
| 970 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 10 UNCH | .000012 | .000001 |
| 980 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 17 UNCH | .000002B | .000001 |
| 985 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 20 UNCH | .000004B | .000001 |
| 1020 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 14 UNCH | .000001 | .000001 |
| 1030 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 34 UNCH | .0000005 | .000000 |
| 1080 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 125 UNCH | .0000005 | .000000 |
| 1085 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 43 UNCH | .0000005 | .000000 |
| TOTAL | | | | | | | | 128 | 4753 + 69 | | |
| JPU OPT - JPU | | | | | | | | | | | |
| JUL18 | JPU OPT - JPU | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 825 | ---- | ---- | ---- | .000883N | .000875- 0000080 | 1.000 | ---- | ---- | 1 UNCH | .001007B | .000802 |
| 850 | ---- | ---- | ---- | .000633N | .000625- 0000080 | 1.000 | ---- | ---- | 225 UNCH | .001102B | .000554 |
| 875 | ---- | ---- | ---- | .000383N | .000375- 0000080 | .999 | ---- | ---- | 2 UNCH | .000917B | .000313 |
| 880 | ---- | ---- | ---- | .000333N | .000325- 0000080 | .997 | ---- | ---- | 2 UNCH | .000868B | .000267 |
| 885 | ---- | ---- | ---- | .000283N | .000275- 0000080 | .991 | ---- | ---- | 1 UNCH | .000821B | .000224 |
| 890 | ---- | ---- | ---- | .000234N | .000226- 0000080 | .975 | ---- | ---- | 12 UNCH | .000773B | .000184 |
| 895 | ---- | ---- | ---- | .000185N | .000178- 0000070 | .948 | ---- | ---- | 2 UNCH | .000724B | .000141 |
| 900 | ---- | ---- | ---- | .000139N | .000132- 0000070 | .885 | ---- | ---- | 83 UNCH | .000676B | .000101 |
| 905 | ---- | ---- | ---- | .000097N | .000090- 0000070 | .773 | ---- | 15 | 76 + 13 | .000629B | .000068 |
| 910 | ---- | ---- | ---- | .000063N | .000057- 0000060 | .597 | ---- | 12 | 478 - 3 | .000583B | .000043 |
| 915 | ---- | ---- | ---- | .000038N | .000034- 0000040 | .410 | ---- | 337 | 1398 + 151 | .000537B | .000026 |

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## FINAL



JPU OPT - JPU

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JPU OPT - JPU | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | | | | |
| 920 | ---- | ---- | ---- | .000022N | .000020- | 0000020 | .260 | ---- | 261 | 2694 | - | 27 | .000493B | .000016 |
| 925 | ---- | ---- | ---- | .000013N | .000012- | 0000010 | .159 | ---- | 547 | 2279 | + | 44 | .000450B | .000010 |
| 930 | .000007 | #.000007 | *.000007 | .000007 | .000008 | UNCH | .102 | ---- | 962 | 2507 | - | 744 | .000409B | .000006 |
| 935 | ---- | ---- | ---- | .000005N | .000005 | UNCH | .063 | ---- | 20 | 1854 | | UNCH | .000370B | .000004 |
| 940 | ---- | ---- | ---- | .0000035N | .0000035 | UNCH | .042 | ---- | 155 | 2634 | + | 70 | .000333B | .000002 |
| 945 | ---- | ---- | ---- | .0000025N | .0000025 | UNCH | .028 | ---- | 5 | 1601 | + | 5 | .000301B | .000002 |
| 950 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .017 | ---- | 64 | 720 | | UNCH | .000273B | .000001 |
| 955 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .010 | ---- | 6 | 504 | - | 6 | .000246B | .000001 |
| 960 | ---- | ---- | ---- | .000001N | .0000005- | 0000005 | .005 | ---- | ---- | 152 | | UNCH | .000224B | .000001 |
| 965 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .002 | ---- | ---- | 333 | | UNCH | .000203B | .000001 |
| 970 | ---- | ---- | ---- | .0000005N | CAB | ---- | .001 | ---- | ---- | 599 | | UNCH | .000184B | .000000 |
| 975 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 315 | | UNCH | .000167B | .000000 |
| 980 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 373 | | UNCH | .000152B | .000000 |
| 985 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 116 | | UNCH | .000138B | .000000 |
| 990 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 147 | | UNCH | .000125B | .000000 |
| 995 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 92 | | UNCH | .000114B | .000000 |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 167 | | UNCH | .000104B | .000000 |
| 1005 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 57 | | UNCH | .000095B | .000001 |
| 1010 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 45 | | UNCH | .000087B | .000000 |
| 1015 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 59 | | UNCH | .000079B | .000001 |
| 1020 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 59 | | UNCH | .000073B | .000000 |
| 1025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 42 | | UNCH | .000067B | .000000 |
| 1030 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 174 | | UNCH | .000062B | .000000 |
| 1035 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 209 | | UNCH | .000057B | .000000 |
| 1040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 67 | | UNCH | .000053B | .000001 |
| 1045 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 21 | | UNCH | .000049B | .000000 |
| 1050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 35 | | UNCH | .000046B | .000001 |
| 1055 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 24 | | UNCH | .000042B | .000001 |
| 1060 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 45 | | UNCH | .000039B | .000003 |
| 1065 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 19 | | UNCH | .000037B | .000001 |
| 1070 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 8 | | UNCH | .000034B | .000002 |
| 1075 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | | UNCH | .000032B | .000000 |
| 1080 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 34 | | UNCH | .000029B | .000000 |
| 1090 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 9 | | UNCH | .000025B | .000001 |
| 1095 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | | UNCH | .000023B | .000001 |
| TOTAL | | | | | | | | | 2384 | 20292 | - | 497 | | |
| AUG18 | JPU OPT - JPU | (FUTURES SETT. | .009104 - | 7.5 ) | | | | | | | | | | |
| 825 | ---- | ---- | ---- | .000882N | .000873- | 0000090 | .999 | ---- | ---- | 1 | | UNCH | .001007B | .000802 |
| 850 | ---- | ---- | ---- | .000633N | .000625- | 0000080 | .990 | ---- | ---- | 1 | | UNCH | .000971B | .000557 |
| 870 | ---- | ---- | ---- | .000435N | .000427- | 0000080 | .969 | ---- | ---- | 1 | | UNCH | .000779B | .000368 |
| 875 | ---- | ---- | ---- | .000386N | .000378- | 0000080 | .958 | ---- | ---- | 2 | | UNCH | .000730B | .000324 |
| 880 | ---- | ---- | ---- | .000338N | .000330- | 0000080 | .939 | ---- | ---- | 1 | | UNCH | .000682B | .000282 |
| 895 | ---- | ---- | ---- | .000204N | .000197- | 0000070 | .811 | ---- | ---- | 15 | | UNCH | .000542B | .000166 |
| 900 | ---- | ---- | ---- | .000166N | .000159- | 0000070 | .732 | ---- | ---- | 6 | | UNCH | .000497B | .000133 |
| 905 | ---- | ---- | ---- | .000132N | .000127- | 0000050 | .644 | ---- | ---- | 409 | | UNCH | .000453B | .000104 |
| 910 | ---- | ---- | ---- | .000103N | .000099- | 0000040 | .551 | ---- | 76 | 680 | + | 2 | .000410B | .000081 |
| 915 | ---- | ---- | ---- | .000080N | .000077- | 0000030 | .459 | ---- | 16 | 609 | + | 5 | .000370B | .000062 |
| 920 | ---- | ---- | ---- | .000061N | .000059- | 0000020 | .375 | ---- | 171 | 1272 | + | 38 | .000332B | .000048 |
| 925 | ---- | ---- | ---- | .000047N | .000046- | 0000010 | .303 | ---- | 66 | 1221 | + | 22 | .000296B | .000037 |
| 930 | ---- | ---- | ---- | .000036N | .000035- | 0000010 | .241 | ---- | 125 | 1018 | - | 34 | .000264B | .000029 |
| 935 | ---- | ---- | ---- | .000028N | .000027- | 0000010 | .191 | ---- | 2171 | 1439 | + | 477 | .000233B | .000023 |
| 940 | ---- | ---- | ---- | .000022N | .000022 | UNCH | .155 | ---- | 37 | 1812 | + | 31 | .000205B | .000018 |
| 945 | ---- | ---- | ---- | .000018N | .000017- | 0000010 | .122 | ---- | 181 | 532 | + | 15 | .000179B | .000014 |
| 950 | ---- | ---- | ---- | .000014N | .000014 | UNCH | .100 | ---- | 51 | 607 | | UNCH | .000156B | .000011 |
| 955 | ---- | ---- | ---- | .000011N | .000011 | UNCH | .079 | ---- | 122 | 567 | + | 11 | .000136B | .000009 |
| 960 | ---- | ---- | ---- | .000009N | .000009 | UNCH | .065 | ---- | 33 | 144 | + | 15 | .000119B | .000007 |
| 965 | ---- | ---- | ---- | .000008N | .000007- | 0000010 | .051 | ---- | 4 | 141 | - | 4 | .000103B | .000006 |
| 970 | ---- | ---- | ---- | .000006N | .000006 | UNCH | .043 | ---- | 26 | 198 | + | 26 | .000090B | .000005 |
| 975 | ---- | ---- | ---- | .000005N | .0000045- | 0000005 | .033 | ---- | 130 | 178 | - | 39 | .000078B | .000004 |
| 980 | ---- | ---- | ---- | .0000045N | .000004- | 0000005 | .028 | ---- | 7 | 122 | - | 1 | .000068B | .000003 |
| 985 | ---- | ---- | ---- | .0000035N | .000003- | 0000005 | .021 | ---- | 19 | 45 | - | 19 | .000057B | .000003 |
| 990 | ---- | ---- | ---- | .000003N | .0000025- | 0000005 | .018 | ---- | ---- | 5 | | UNCH | .000050B | .000002 |
| 995 | ---- | ---- | ---- | .0000025N | .000002- | 0000005 | .014 | ---- | ---- | 14 | | UNCH | .000043B | .000002 |
| 1000 | ---- | ---- | ---- | .000002N | .000002 | UNCH | .013 | ---- | ---- | 64 | | UNCH | .000038B | .000001 |
| 1005 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .010 | ---- | ---- | 47 | | UNCH | .000033B | .000002 |
| 1010 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .010 | ---- | ---- | 36 | | UNCH | .000029B | .000001 |
| 1015 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .007 | ---- | ---- | 4 | | UNCH | .000025B | .000001 |
| 1020 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .006 | ---- | ---- | 5 | | UNCH | .000022B | .000001 |
| 1025 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .006 | ---- | ---- | 32 | | UNCH | .000019B | .000001 |
| 1030 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .003 | ---- | ---- | 20 | | UNCH | .000017B | .000001 |
| 1035 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .002 | ---- | ---- | 91 | | UNCH | .000009 | .000002 |
| 1040 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .001 | ---- | ---- | 6 | | UNCH | .000013B | .000001 |
| 1045 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .001 | ---- | ---- | 1 | | UNCH | .0000035I | .000001 |
| 1050 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .000 | ---- | ---- | 2 | | UNCH | .000010 | .000001 |
| 1065 | ---- | ---- | ---- | ---- | .0000005+ | 0000005 | .000 | ---- | ---- | 1 | | UNCH | .000002B | .000002 |
| 1070 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 12 | | UNCH | .0000015I | .000001 |
| 1080 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | ---- | .000002 |
| 1105 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 17 | | UNCH | .0000015 | .000001 |
| TOTAL | | | | | | | | | 3235 | 11379 | + | 545 | | |
| SEP18 | JPU OPT - JPU | (FUTURES SETT. | .009125 - | 8.0 ) | | | | | | | | | | |
| 740 | ---- | ---- | ---- | .001726N | .001718- | 0000080 | 1.000 | ---- | ---- | 19 | | UNCH | .001841 | .001840 |
| 830 | ---- | ---- | ---- | .000831N | .000823- | 0000080 | .989 | ---- | ---- | 4 | | UNCH | .001314B | .000753 |
| 835 | ---- | ---- | ---- | .000782N | .000774- | 0000080 | .988 | ---- | ---- | 4 | | UNCH | .001266B | .000704 |
| 840 | ---- | ---- | ---- | .000732N | .000724- | 0000080 | .984 | ---- | ---- | 1 | | UNCH | .001217B | .000656 |
| 845 | ---- | ---- | ---- | .000683N | .000675- | 0000080 | .981 | ---- | ---- | 2 | | UNCH | .001169B | .000608 |
| 850 | ---- | ---- | ---- | .000634N | .000626- | 0000080 | .976 | ---- | ---- | 1 | | UNCH | .001120B | .000560 |
| 855 | ---- | ---- | ---- | .000585N | .000577- | 0000080 | .969 | ---- | ---- | 3 | | UNCH | .001112B | .000514 |
| 860 | ---- | ---- | ---- | .000536N | .000528- | 0000080 | .961 | ---- | ---- | 5 | | UNCH | .001063B | .000468 |
| 865 | ---- | ---- | ---- | .000488N | .000480- | 0000080 | .947 | ---- | ---- | 4 | | UNCH | .001015B | .000423 |
| 880 | ---- | ---- | ---- | .000349N | .000342- | 0000070 | .877 | ---- | ---- | 3 | | UNCH | .000872B | .000299 |
| 890 | ---- | ---- | ---- | .000266N | .000259- | 0000070 | .790 | ---- | 20 | 38 | + | 20 | .000778B | .000226 |
| 895 | ---- | ---- | ---- | .000228N | .000222- | 0000060 | .734 | ---- | ---- | 47 | | UNCH | .000731B | .000192 |
| 900 | ---- | ---- | ---- | .000195N | .000189- | 0000060 | .673 | ---- | 1 | 155 | + | 1 | .000686B | .000161 |
| 905 | ---- | ---- | ---- | .000164N | .000160- | 0000040 | .606 | ---- | ---- | 72 | | UNCH | .000641B | .000135 |
| 910 | ---- | ---- | ---- | .000138N | .000134- | 0000040 | .539 | ---- | 31 | 197 | + | 10 | .000598B | .000112 |
| 915 | ---- | ---- | ---- | .000115N | .000112- | 0000030 | .474 | ---- | 23 | 802 | + | 22 | .000556B | .000093 |
| 920 | ---- | ---- | ---- | .000096N | .000093- | 0000030 | .412 | ---- | ---- | 288 | | UNCH | .000515B | .000077 |
| 925 | ---- | ---- | ---- | .000080N | .000078- | 0000020 | .357 | ---- | ---- | 247 | | UNCH | .000476B | .000064 |
| 930 | ---- | ---- | ---- | .000066N | .000065- | 0000010 | .307 | ---- | 55 | 773 | + | 6 | .000439B | .000053 |
| 935 | ---- | ---- | ---- | .000055N | .000054- | 0000010 | .262 | ---- | 28 | 516 | - | 6 | .000404B | .000045 |
| 940 | ---- | ---- | ---- | .000046N | .000045- | 0000010 | .224 | ---- | 36 | 701 | - | 7 | .000371B | .000037 |
| 945 | ---- | ---- | ---- | .000039N | .000038- | 0000010 | .191 | ---- | ---- | 369 | | UNCH | .000340B | .000031 |
| 950 | ---- | ---- | ---- | .000033N | .000032- | 0000010 | .163 | ---- | ---- | 308 | | UNCH | .000311B | .000026 |
| 955 | ---- | ---- | ---- | .000028N | .000027- | 0000010 | .139 | ---- | 20 | 219 | + | 20 | .000286B | .000022 |
| 960 | ---- | ---- | ---- | .000024N | .000023- | 0000010 | .120 | ---- | 40 | 879 | - | 5 | .000263B | .000019 |
| 965 | ---- | ---- | ---- | .000020N | .000020 | UNCH | .104 | ---- | ---- | 183 | | UNCH | .000245B | .000016 |
| 970 | ---- | ---- | ---- | .000017N | .000017 | UNCH | .089 | ---- | 10 | 570 | | UNCH | .000225B | .000014 |
| 975 | ---- | ---- | ---- | .000015N | .000015 | UNCH | .078 | ---- | 2 | 337 | - | 2 | .000207B | .000012 |
| 980 | ---- | ---- | ---- | .000013N | .000013 | UNCH | .067 | ---- | 60 | 730 | - | 20 | .000190B | .000010 |
| 985 | ---- | ---- | ---- | .000011N | .000011 | UNCH | .057 | ---- | 65 | 186 | - | 5 | .000175B | .000009 |
| 990 | ---- | ---- | ---- | .000010N | .000010 | UNCH | .051 | ---- | 203 | 669 | - | 99 | .000160B | .000008 |
| 995 | ---- | ---- | ---- | .000009N | .000008- | 0000010 | .042 | ---- | ---- | 67 | | UNCH | .000149B | .000007 |
| 1000 | ---- | ---- | ---- | .000007N | .000007 | UNCH | .037 | ---- | ---- | 253 | | UNCH | .000138B | .000006 |
| 1005 | ---- | ---- | ---- | .000007N | .000007 | UNCH | .035 | ---- | ---- | 113 | | UNCH | .000136 | .000006 |
| 1010 | ---- | ---- | ---- | .000006N | .000006 | UNCH | .030 | ---- | ---- | 1510 | | UNCH | .000114B | .000004 |
| 1015 | ---- | ---- | ---- | .000005N | .000005 | UNCH | .026 | ---- | ---- | 77 | | UNCH | .000112B | .000004 |
| 1020 | ---- | ---- | ---- | .0000045N | .0000045 | UNCH | .023 | ---- | ---- | 460 | | UNCH | .000099B | .000004 |
| 1025 | ---- | ---- | ---- | .000004N | .000004 | UNCH | .020 | ---- | ---- | 73 | | UNCH | .000092B | .000003 |
| 1030 | ---- | ---- | ---- | .0000035N | .0000035 | UNCH | .018 | ---- | ---- | 69 | | UNCH | .000091 | .000003 |
| 1035 | ---- | ---- | ---- | .000003N | .000003 | UNCH | .015 | ---- | ---- | 93 | | UNCH | .000081B | .000003 |
| 1040 | ---- | ---- | ---- | .0000025N | .0000025 | UNCH | .013 | ---- | ---- | 20 | | UNCH | .000075B | .000002 |
| 1045 | ---- | ---- | ---- | .0000025N | .0000025 | UNCH | .012 | ---- | ---- | 38 | | UNCH | .000071B | .000002 |
| 1050 | ---- | ---- | ---- | .000002N | .000002 | UNCH | .010 | ---- | ---- | 407 | | UNCH | .000066B | .000002 |
| 1055 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .008 | ---- | ---- | 13 | | UNCH | .000062B | .000002 |
| 1060 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .007 | ---- | ---- | 10 | | UNCH | .000059B | .000001 |
| 1065 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .007 | ---- | ---- | 329 | | UNCH | .000055B | .000001 |
| 1070 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .005 | ---- | ---- | 17 | | UNCH | .000052B | .000001 |
| 1075 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .005 | ---- | ---- | 53 | | UNCH | .000049B | .000001 |
| 1080 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .005 | ---- | ---- | 32 | | UNCH | .000046B | .000002 |
| 1085 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .005 | ---- | ---- | 33 | | UNCH | .000043B | .000002 |
| 1090 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .004 | ---- | ---- | 23 | | UNCH | .000041B | .000002 |
| 1095 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .004 | ---- | 5 | 15 | + | 5 | .000038B | .000001 |
| 1100 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .004 | ---- | ---- | 16 | | UNCH | .000031B | .000001 |
| 1110 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .004 | ---- | ---- | 24 | | UNCH | .000027B | .000003 |
| TOTAL | | | | | | | | | 599 | 12077 | - | 60 | | |
| OCT18 | JPU OPT - JPU | (FUTURES SETT. | .009146 - | 8.0 ) | | | | | | | | | | |
| 835 | ---- | ---- | ---- | .000844N | .000836- | 0000080 | .981 | ---- | 1 | 2 | + | 1 | .001006B | .000769 |
| 840 | ---- | ---- | ---- | .000795N | .000787 | NEW | .978 | ---- | 1 | 1 | + | 1 | .000978B | .000720 |
| 845 | ---- | ---- | ---- | .000746N | .000738- | 0000080 | .972 | ---- | ---- | 1 | | UNCH | .000929B | .000673 |
| 855 | ---- | ---- | ---- | .000649N | .000641- | 0000080 | .957 | ---- | ---- | 2 | | UNCH | .000832B | .000579 |
| 860 | ---- | ---- | ---- | .000600N | .000593 | NEW | .950 | ---- | 1 | 1 | + | 1 | .000783B | .000534 |
| 895 | ---- | ---- | ---- | .000295N | .000289- | 0000060 | .758 | ---- | ---- | 1 | | UNCH | .000462B | .000256 |

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## FINAL



JPU OPT - JPU

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JPU OPT - JPU | (FUTURES SETT. | .009146 - | 8.0 ) | | | | | | | | | | |
| 905 | ---- | ---- | ---- | .000226N | .000222- | 0000040 | .656 | ---- | ---- | 25 | UNCH | .000382B | .000194 | |
| 910 | ---- | ---- | ---- | .000196N | .000193- | 0000030 | .603 | ---- | ---- | 69 | UNCH | .000346B | .000167 | |
| 915 | ---- | ---- | ---- | .000170N | .000166- | 0000040 | .548 | ---- | ---- | 180 | UNCH | .000311B | .000144 | |
| 920 | ---- | ---- | ---- | .000146N | .000143- | 0000030 | .494 | ---- | ---- | 85 | UNCH | .000278B | .000124 | |
| 925 | ---- | ---- | ---- | .000126N | .000123- | 0000030 | .442 | ---- | ---- | 52 | UNCH | .000248B | .000107 | |
| 930 | ---- | ---- | ---- | .000109N | .000106- | 0000030 | .394 | ---- | ---- | 295 | UNCH | .000222B | .000092 | |
| 935 | ---- | ---- | ---- | .000093N | .000092- | 0000010 | .350 | ---- | 8 | 65 + | 8 | .000197B | .000079 | |
| 940 | ---- | ---- | ---- | .000081N | .000079- | 0000020 | .309 | ---- | ---- | 16 | UNCH | .000174B | .000068 | |
| 945 | ---- | ---- | ---- | .000070N | .000069- | 0000010 | .273 | ---- | ---- | 15 | UNCH | .000155B | .000059 | |
| 950 | ---- | ---- | ---- | .000061N | .000060- | 0000010 | .241 | ---- | ---- | 11 | UNCH | .000137B | .000051 | |
| 955 | ---- | ---- | ---- | .000053N | .000052- | 0000010 | .213 | ---- | ---- | 93 | UNCH | .000122B | .000044 | |
| 960 | ---- | ---- | ---- | .000046N | .000046 | UNCH | .189 | ---- | 37 | 91 + | 37 | .000108B | .000039 | |
| 965 | ---- | ---- | ---- | .000040N | .000040 | UNCH | .166 | ---- | ---- | 43 | UNCH | .000097 | .000034 | |
| 970 | ---- | ---- | ---- | .000035N | .000035 | UNCH | .147 | ---- | ---- | 105 | UNCH | .000086B | .000029 | |
| 975 | ---- | ---- | ---- | .000031N | .000031 | UNCH | .130 | ---- | ---- | 219 | UNCH | .000076B | .000026 | |
| 980 | ---- | ---- | ---- | .000027N | .000027 | UNCH | .115 | ---- | 1 | 35 + | 1 | .000067B | .000023 | |
| 985 | ---- | ---- | ---- | .000024N | .000024 | UNCH | .102 | ---- | 11 | 17 + | 11 | .000060B | .000021 | |
| 990 | ---- | ---- | ---- | .000021N | .000021 | UNCH | .090 | ---- | ---- | 13 | UNCH | .000053B | .000017 | |
| 995 | ---- | ---- | ---- | .000019N | .000019 | UNCH | .081 | ---- | ---- | 10 | UNCH | .000048B | .000015 | |
| 1000 | ---- | ---- | ---- | .000017N | .000016- | 0000010 | .069 | ---- | ---- | 53 | UNCH | .000043B | .000013 | |
| 1005 | ---- | ---- | ---- | .000015N | .000015 | UNCH | .064 | ---- | ---- | 10 | UNCH | .000038B | .000013 | |
| 1010 | ---- | ---- | ---- | .000013N | .000013 | UNCH | .056 | ---- | ---- | 8 | UNCH | .000033B | .000010 | |
| 1015 | ---- | ---- | ---- | .000012N | .000012 | UNCH | .051 | ---- | ---- | 116 | UNCH | .000030B | .000009 | |
| 1020 | ---- | ---- | ---- | .000011N | .000010- | 0000010 | .043 | ---- | ---- | 16 | UNCH | .000027B | .000009 | |
| 1025 | ---- | ---- | ---- | .000009N | .000009 | UNCH | .039 | ---- | 3 | 6 + | 3 | .000024B | .000008 | |
| 1030 | ---- | ---- | ---- | .000008N | .000008 | UNCH | .035 | ---- | ---- | 6 | UNCH | .000022B | .000007 | |
| 1035 | ---- | ---- | ---- | .000008N | .000008 | UNCH | .034 | ---- | ---- | 17 | UNCH | .000019B | .000007 | |
| 1040 | ---- | ---- | ---- | .000007N | .000007 | UNCH | .030 | ---- | ---- | 6 | UNCH | .000017B | .000006 | |
| 1045 | ---- | ---- | ---- | .000006N | .000006 | UNCH | .026 | ---- | ---- | 13 | UNCH | .000015B | .000005 | |
| 1050 | ---- | ---- | ---- | .000006N | .000006 | UNCH | .025 | ---- | ---- | 107 | UNCH | .000014B | .000004 | |
| 1060 | ---- | ---- | ---- | .0000045N | .0000045 | UNCH | .019 | ---- | ---- | 83 | UNCH | .000011B | .000004 | |
| 1065 | ---- | ---- | ---- | .000004N | .000004 | UNCH | .017 | ---- | ---- | 6 | UNCH | .000010B | .000003 | |
| TOTAL | | | | | | | | | | 63 | 1894 + | 63 | | |
| DEC18 | JPU OPT - JPU | (FUTURES SETT. | .009188 - | 8.5 ) | | | | | | | | | | |
| 850 | ---- | ---- | ---- | .000703N | .000695- | 0000080 | .935 | ---- | ---- | 4 | UNCH | .000999B | .000637 | |
| 855 | ---- | ---- | ---- | .000657N | .000649- | 0000080 | .922 | ---- | ---- | 1 | UNCH | .000969B | .000593 | |
| 865 | ---- | ---- | ---- | .000566N | .000559- | 0000070 | .888 | ---- | ---- | 2 | UNCH | .000874B | .000509 | |
| 895 | ---- | ---- | ---- | .000330N | .000325- | 0000050 | .705 | ---- | ---- | 39 | UNCH | .000604B | .000295 | |
| 900 | ---- | ---- | ---- | .000298N | .000293- | 0000050 | .666 | ---- | ---- | 17 | UNCH | .000563B | .000264 | |
| 905 | ---- | ---- | ---- | .000268N | .000263- | 0000050 | .625 | ---- | ---- | 2 | UNCH | .000523B | .000237 | |
| 910 | ---- | ---- | ---- | .000240N | .000236- | 0000040 | .583 | ---- | ---- | 110 | UNCH | .000486B | .000212 | |
| 915 | ---- | ---- | ---- | .000215N | .000212- | 0000030 | .541 | ---- | ---- | 34 | UNCH | .000457B | .000189 | |
| 920 | ---- | ---- | ---- | .000192N | .000189- | 0000030 | .500 | ---- | ---- | 62 | UNCH | .000474B | .000169 | |
| 925 | ---- | ---- | ---- | .000172N | .000169- | 0000030 | .460 | ---- | ---- | 112 | UNCH | .000477B | .000150 | |
| 930 | ---- | ---- | ---- | .000154N | .000151- | 0000030 | .422 | ---- | ---- | 120 | UNCH | .000511B | .000134 | |
| 935 | ---- | ---- | ---- | .000138N | .000135- | 0000030 | .386 | ---- | 7 | 87 | UNCH | .000479B | .000120 | |
| 940 | ---- | ---- | ---- | .000123N | .000121- | 0000020 | .353 | ---- | ---- | 7 | UNCH | .000447B | .000108 | |
| 945 | ---- | ---- | ---- | .000110N | .000109- | 0000010 | .323 | ---- | ---- | 57 | UNCH | .000432B | .000096 | |
| 950 | ---- | ---- | ---- | .000099N | .000098- | 0000010 | .294 | ---- | 4 | 1840 | UNCH | .000402B | .000087 | |
| 955 | ---- | ---- | ---- | .000089N | .000088- | 0000010 | .268 | ---- | ---- | 6 | UNCH | .000373B | .000078 | |
| 960 | ---- | ---- | ---- | .000081N | .000079- | 0000020 | .244 | ---- | ---- | 261 | UNCH | .000346B | .000070 | |
| 970 | ---- | ---- | ---- | .000066N | .000065- | 0000010 | .203 | ---- | 25 | 430 + | 25 | .000300B | .000057 | |
| 975 | ---- | ---- | ---- | .000060N | .000059- | 0000010 | .186 | ---- | 5 | 23 + | 5 | .000289B | .000051 | |
| 980 | ---- | ---- | ---- | .000054N | .000053- | 0000010 | .169 | ---- | ---- | 138 | UNCH | .000270B | .000048 | |
| 985 | ---- | ---- | ---- | .000049N | .000048- | 0000010 | .154 | ---- | ---- | 31 | UNCH | .000253B | .000042 | |
| 990 | ---- | ---- | ---- | .000045N | .000044- | 0000010 | .141 | ---- | 7 | 120 | UNCH | .000232B | .000039 | |
| 995 | ---- | ---- | ---- | .000041N | .000040- | 0000010 | .129 | ---- | ---- | 207 | UNCH | .000218B | .000035 | |
| 1000 | ---- | ---- | ---- | .000037N | .000036- | 0000010 | .117 | ---- | ---- | 37 | UNCH | .000204B | .000032 | |
| 1005 | ---- | ---- | ---- | .000034N | .000033- | 0000010 | .107 | ---- | ---- | 4 | UNCH | .000192B | .000029 | |
| 1010 | ---- | ---- | ---- | .000031N | .000030- | 0000010 | .098 | ---- | ---- | 17 | UNCH | .000181B | .000026 | |
| 1015 | ---- | ---- | ---- | .000028N | .000027- | 0000010 | .089 | ---- | ---- | 37 | UNCH | .000157B | .000024 | |
| 1020 | ---- | ---- | ---- | .000026N | .000025- | 0000010 | .082 | ---- | 1 | 37 + | 1 | .000148B | .000022 | |
| 1025 | ---- | ---- | ---- | .000024N | .000023- | 0000010 | .076 | ---- | ---- | 11 | UNCH | .000140B | .000020 | |
| 1030 | ---- | ---- | ---- | .000022N | .000021- | 0000010 | .069 | ---- | ---- | 46 | UNCH | .000132B | .000018 | |
| 1035 | ---- | ---- | ---- | .000020N | .000019- | 0000010 | .063 | ---- | ---- | 58 | UNCH | .000125B | .000016 | |
| 1040 | ---- | ---- | ---- | .000018N | .000018 | UNCH | .059 | ---- | ---- | 77 | UNCH | .000118B | .000016 | |
| 1045 | ---- | ---- | ---- | .000017N | .000016- | 0000010 | .053 | ---- | ---- | 58 | UNCH | .000112B | .000014 | |
| 1050 | ---- | ---- | ---- | .000015N | .000015 | UNCH | .049 | ---- | ---- | 33 | UNCH | .000106B | .000014 | |
| 1055 | ---- | ---- | ---- | .000014N | .000014 | UNCH | .046 | ---- | ---- | 3 | UNCH | .000100B | .000012 | |
| 1065 | ---- | ---- | ---- | .000012N | .000012 | UNCH | .039 | ---- | ---- | 4 | UNCH | .000085B | .000011 | |
| 1070 | ---- | ---- | ---- | .000011N | .000011 | UNCH | .036 | ---- | ---- | 91 | UNCH | .000080B | .000008 | |
| 1080 | ---- | ---- | ---- | .000009N | .000009 | UNCH | .030 | ---- | ---- | 46 | UNCH | .000064B | .000008 | |
| 1085 | ---- | ---- | ---- | .000009N | .000009 | UNCH | .029 | ---- | ---- | 8 | UNCH | .000059B | .000008 | |
| 1110 | ---- | ---- | ---- | .000006N | .000006 | UNCH | .019 | ---- | ---- | 114 | UNCH | .000045B | .000004 | |
| 1115 | ---- | ---- | ---- | .000005N | .000005 | UNCH | .017 | ---- | ---- | 23 | UNCH | .000011B | .000004 | |
| 1120 | ---- | ---- | ---- | .000005N | .000005 | UNCH | .016 | ---- | ---- | 45 | UNCH | .000010B | .000004 | |
| TOTAL | | | | | | | | | | 49 | 4459 + | 31 | | |
| MAR19 | JPU OPT - JPU | (FUTURES SETT. | .009258 - | 9.0 ) | | | | | | | | | | |
| 900 | ---- | ---- | ---- | .000390N | .000385- | 0000050 | .679 | ---- | ---- | 3 | UNCH | .000471B | .000357 | |
| 905 | ---- | ---- | ---- | .000359N | .000355- | 0000040 | .647 | ---- | ---- | 2 | UNCH | .000463B | .000328 | |
| 910 | ---- | ---- | ---- | .000331N | .000326- | 0000050 | .615 | ---- | ---- | 1 | UNCH | .000468B | .000301 | |
| 920 | ---- | ---- | ---- | .000279N | .000275- | 0000040 | .550 | ---- | ---- | 1 | UNCH | .000404B | .000253 | |
| 935 | ---- | ---- | ---- | .000215N | .000212- | 0000030 | .456 | ---- | ---- | 1 | UNCH | .000534B | .000195 | |
| 945 | ---- | ---- | ---- | .000181N | .000180- | 0000010 | .399 | ---- | ---- | 50 | UNCH | .000522B | .000165 | |
| 950 | ---- | ---- | ---- | .000167N | .000166- | 0000010 | .373 | ---- | ---- | 11 | UNCH | .000493B | .000152 | |
| 960 | ---- | ---- | ---- | .000142N | .000141- | 0000010 | .325 | ---- | ---- | 1 | UNCH | .000435B | .000129 | |
| 970 | ---- | ---- | ---- | .000121N | .000120- | 0000010 | .283 | ---- | ---- | 1 | UNCH | .000384B | .000111 | |
| 985 | ---- | ---- | ---- | .000096N | .000095- | 0000010 | .229 | ---- | ---- | 6 | UNCH | .000318B | .000088 | |
| 995 | ---- | ---- | ---- | .000083N | .000082- | 0000010 | .200 | ---- | ---- | 23 | UNCH | .000280B | .000076 | |
| 1000 | ---- | ---- | ---- | .000077N | .000077 | UNCH | .188 | ---- | ---- | 1 | UNCH | .000263B | .000070 | |
| 1010 | ---- | ---- | ---- | .000067N | .000067 | UNCH | .164 | ---- | ---- | 5 | UNCH | .000233B | .000064 | |
| 1025 | ---- | ---- | ---- | .000054N | .000054 | UNCH | .134 | ---- | ---- | 1 | UNCH | .000195B | .000052 | |
| 1030 | ---- | ---- | ---- | .000050N | .000050 | UNCH | .125 | ---- | ---- | 10 | UNCH | .000184B | .000049 | |
| 1050 | ---- | ---- | ---- | .000037N | .000038+ | 0000010 | .096 | ---- | ---- | 1 | UNCH | .000147B | .000037 | |
| 1075 | ---- | ---- | ---- | .000027N | .000027 | UNCH | .069 | ---- | ---- | 23 | UNCH | .000111B | .000026 | |
| TOTAL | | | | | | | | | | 0 | 141 | | | |
| JUN19 | JPU OPT - JPU | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 905 | ---- | ---- | ---- | .000441N | .000435- | 0000060 | .669 | ---- | ---- | 2 | UNCH | .000483B | .000413 | |
| 910 | ---- | ---- | ---- | .000411N | .000405- | 0000060 | .642 | ---- | ---- | 1 | UNCH | .000453B | .000385 | |
| 935 | ---- | ---- | ---- | .000286N | .000281- | 0000050 | .504 | ---- | ---- | 1 | UNCH | .000320B | .000269 | |
| 1060 | ---- | ---- | ---- | .000063N | .000061- | 0000020 | .127 | ---- | ---- | 1 | UNCH | .000070B | .000060 | |
| TOTAL | | | | | | | | | | 0 | 5 | | | |

WJY OPT - WJ1

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | WJY OPT - WJ1 | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | | | | |
| 910 | ---- | ---- | ---- | ---- | .460000- | 0800000 | .629 | ---- | 1 | 22 | UNCH | 1.440000I | .340000 | |
| 915 | ---- | ---- | ---- | ---- | .240000- | 0400000 | .381 | ---- | 270 | 269 + | 192 | 1.110000I | .170000 | |
| 920 | ---- | ---- | ---- | ---- | .120000- | 0200000 | .201 | ---- | 54 | 392 | UNCH | .830000B | .090000 | |
| 925 | ---- | ---- | ---- | ---- | .070000 | UNCH | .110 | ---- | 2 | 100 | UNCH | .610000B | .050000 | |
| 930 | ---- | ---- | ---- | ---- | .040000 | UNCH | .059 | ---- | ---- | 300 | UNCH | .440000B | .030000 | |
| 935 | ---- | ---- | ---- | ---- | .025000 | UNCH | .034 | ---- | 63 | 96 - | 28 | .320000B | .020000 | |
| 940 | ---- | ---- | ---- | ---- | .015000 | UNCH | .019 | ---- | ---- | 36 | UNCH | .230000B | .020000 | |
| 945 | ---- | ---- | ---- | ---- | .005000- | 0050000 | .006 | ---- | ---- | 280 | UNCH | .160000B | .015000 | |
| 955 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 19 | UNCH | .090000B | .010000 | |
| 975 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 22 | UNCH | .030000B | .005000 | |
| TOTAL | | | | | | | | | 390 | 1536 + | 164 | | | |

WJY OPT - WJ2

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | WJY OPT - WJ2 | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | | | | |
| 915 | ---- | ---- | ---- | ---- | .430000- | 0200000 | .427 | ---- | ---- | 5 | UNCH | .860000B | .330000 | |
| 920 | ---- | ---- | ---- | ---- | .280000- | 0100000 | .299 | ---- | 192 | 192 + | 188 | .620000B | .210000 | |
| 925 | ---- | ---- | ---- | ---- | .180000- | 0100000 | .201 | ---- | 100 | 104 + | 100 | .450000B | .140000 | |
| 940 | ---- | ---- | ---- | ---- | .060000 | UNCH | .066 | ---- | ---- | 46 | UNCH | .160000B | .045000 | |
| TOTAL | | | | | | | | | 292 | 347 + | 288 | | | |

WJY OPT - WJ4

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | WJY OPT - WJ4 | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 890 | ---- | ---- | ---- | ---- | .000225- | 0000080 | 1.000 | 2 | ---- | ---- | 2 | .000321B | .000179 | |
| 895 | ---- | ---- | ---- | ---- | .000175 | NEW | 1.000 | 2 | 2 | ---- | UNCH | .000272B | .000133 | |
| 905 | ---- | ---- | ---- | ---- | .000075 | NEW | 1.000 | 2 | 2 | ---- | UNCH | .000180B | .000051 | |
| 910 | ---- | ---- | ---- | ---- | .000025- | 0000120 | 1.000 | 1002 | ---- | ---- | 1002 | .000139B | .000008 | |
| 915 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 1 | ---- | 97 | .000104B | .000000 | |
| 920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 436 | .000076B | .000000 | |
| 925 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 520 | .000054B | .000001 | |
| 930 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 324 | .000067 | .000000 | |
| 940 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 14 | .000018B | .000000 | |
| TOTAL | | | | | | | | | 5 | 0 - | 2395 | | | |

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# JAPANESE YEN PUT OPTIONS



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**FINAL**



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

ADDITIONAL JAPANESE YEN PUT Options **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JPU OPT - 2JY | | | | | | | | | | | |
| JUL18 | JPU OPT - 2JY | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 875 | ---- | ---- | ---- | ---- | 0000005 + 0000005 | .007 | ---- | ---- | 13 UNCH | .0000025I | .0000015/ |
| 885 | ---- | ---- | ---- | ---- | .000002 + 0000005 | .029 | ---- | ---- | 11 UNCH | .000007B | .0000025/ |
| 890 | ---- | ---- | ---- | ---- | 0000035 + 0000005 | .051 | ---- | ---- | 121 UNCH | .000012B | .000002A |
| 895 | ---- | ---- | ---- | ---- | .000007 + 0000010 | .096 | ---- | ---- | 401 UNCH | .000022 | .0000035/ |
| 900 | ---- | ---- | ---- | ---- | .000014 + 0000020 | .175 | ---- | ---- | 217 UNCH | .000035 | .000007 |
| 905 | ---- | ---- | ---- | ---- | .000026 + 0000030 | .287 | ---- | 1 | 136 UNCH | .000055B | .000013A |
| 910 | ---- | ---- | ---- | ---- | .000045 + 0000040 | .425 | ---- | 2 | 101 + 2 | .000082B | .000024A |
| 915 | ---- | ---- | ---- | ---- | .000072 + 0000050 | .566 | ---- | 2 | 306 UNCH | .000114B | .000041A |
| 920 | ---- | ---- | ---- | ---- | .000107 + 0000070 | .686 | ---- | ---- | 106 UNCH | .000151B | .000065A |
| 925 | ---- | ---- | ---- | ---- | .000147 + 0000080 | .777 | ---- | ---- | 1 UNCH | .000193B | .000097A |
| 960 | ---- | ---- | ---- | ---- | .000477 + 0000080 | .979 | ---- | ---- | 1 UNCH | .000525B | .000393A |
| 1020 | ---- | ---- | ---- | ---- | .001074 + 0000080 | .999 | ---- | ---- | 1 UNCH | .001007 | .000980A |
| TOTAL | | | | | | | | 5 | 1415 + 2 | | |
| JPU OPT - 3JY | | | | | | | | | | | |
| JUL18 | JPU OPT - 3JY | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 875 | ---- | ---- | ---- | ---- | 0000015 + 0000005 | .019 | ---- | ---- | 12 UNCH | ---- | .000002A |
| 880 | ---- | ---- | ---- | ---- | .000002 UNCH | .026 | ---- | ---- | 15 UNCH | .000003B | .0000015 |
| 885 | ---- | ---- | ---- | ---- | 0000035 + 0000005 | .045 | ---- | 14 | 24 + 14 | .000006B | .0000025/ |
| 895 | ---- | ---- | ---- | ---- | .000011 + 0000010 | .129 | ---- | ---- | 39 UNCH | .000019B | .000006A |
| 900 | ---- | ---- | ---- | ---- | .000020 + 0000020 | .210 | ---- | ---- | 7 UNCH | .000032B | .000010A |
| 905 | ---- | ---- | ---- | ---- | .000034 + 0000020 | .315 | ---- | 25 | 193 + 25 | .000052 | .000019 |
| 910 | ---- | ---- | ---- | ---- | .000055 + 0000040 | .435 | ---- | ---- | 511 UNCH | .000077B | .000032A |
| 915 | ---- | ---- | ---- | ---- | .000083 + 0000050 | .554 | ---- | ---- | 56 UNCH | .000110B | .000051A |
| 920 | ---- | ---- | ---- | ---- | .000116 + 0000060 | .659 | ---- | ---- | 116 UNCH | .000147B | .000075A |
| TOTAL | | | | | | | | 39 | 973 + 39 | | |
| JPU OPT - 4JY | | | | | | | | | | | |
| JUL18 | JPU OPT - 4JY | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 880 | ---- | ---- | ---- | ---- | 0000035 UNCH | .041 | ---- | 13 | 13 + 13 | .0000035 | .0000025/ |
| 895 | ---- | ---- | ---- | ---- | .000016 NEW | .160 | ---- | 9 | 9 + 9 | .000018 | .000011A |
| 900 | ---- | ---- | ---- | ---- | .000026 + 0000010 | .237 | ---- | ---- | 18 UNCH | .000031B | .000018A |
| 905 | ---- | ---- | ---- | ---- | .000042 + 0000030 | .335 | ---- | 8 | 246 + 8 | .000049B | .000025A |
| 910 | ---- | ---- | ---- | ---- | .000063 + 0000030 | .442 | ---- | ---- | 267 UNCH | .000073B | .000039A |
| 915 | ---- | ---- | ---- | ---- | .000091 + 0000050 | .547 | ---- | 88 | 101 + 83 | .000101B | .000059A |
| 920 | ---- | ---- | ---- | ---- | .000124 + 0000060 | .642 | ---- | 8 | 78 UNCH | .000136B | .000096A |
| 950 | ---- | ---- | ---- | ---- | .000384 + 0000080 | .919 | ---- | ---- | 1 UNCH | .000402B | .000344A |
| TOTAL | | | | | | | | 126 | 733 + 113 | | |
| JPU OPT - 5JY | | | | | | | | | | | |
| JUN18 | JPU OPT - 5JY | (FUTURES SETT. | .00) | | | | | | | | |
| 875 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 1 UNCH | .000001B | .000001A |
| 880 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 4 UNCH | .0000015I | .000001A |
| 885 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 20 UNCH | .0000025I | .0000015/ |
| 890 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 40 UNCH | .000005 | .0000005/ |
| 895 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 415 UNCH | .000010 | .0000005 |
| 900 | ---- | ---- | ---- | ---- | 0000005 - 0000010 | .006 | ---- | ---- | 184 UNCH | .000019B | .0000005/ |
| 905 | ---- | ---- | ---- | ---- | .000003 - 0000010 | .061 | ---- | 97 | 983 + 1 | .000035B | .0000015 |
| 910 | ---- | ---- | ---- | ---- | .000013 - 0000010 | .299 | ---- | 155 | 649 + 70 | .000062B | .000005 |
| 915 | ---- | ---- | ---- | ---- | .000040 + 0000020 | .682 | ---- | 150 | 466 UNCH | .000095B | .000015 |
| 920 | ---- | ---- | ---- | ---- | .000081 + 0000060 | .892 | ---- | ---- | 339 UNCH | .000136B | .000037A |
| 925 | ---- | ---- | ---- | ---- | .000127 + 0000070 | .965 | ---- | ---- | 314 UNCH | .000181B | .000058A |
| 930 | ---- | ---- | ---- | ---- | .000176 + 0000070 | .990 | ---- | ---- | 6 UNCH | .000228B | .000081A |
| 940 | ---- | ---- | ---- | ---- | .000275 + 0000080 | .999 | ---- | ---- | 20 UNCH | .000325B | .000157A |
| 960 | ---- | ---- | ---- | ---- | .000475 NEW | 1.000 | ---- | 2 | 2 + 2 | .000524B | .000324A |
| 975 | ---- | ---- | ---- | ---- | .000625 NEW | 1.000 | ---- | 1 | 1 + 1 | .000673B | .000466A |
| 980 | ---- | ---- | ---- | ---- | .000675 NEW | 1.000 | ---- | 1 | 1 + 1 | .000723B | .000514A |
| 1100 | ---- | ---- | ---- | ---- | .001875 NEW | 1.000 | ---- | 2 | 2 + 2 | .001896B | .001804A |
| 1105 | ---- | ---- | ---- | ---- | .001925 NEW | 1.000 | ---- | 2 | 2 + 2 | .001946B | .001854A |
| TOTAL | | | | | | | | 410 | 3449 + 79 | | |
| JPU OPT - JPU | | | | | | | | | | | |
| JUL18 | JPU OPT - JPU | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | |
| 745 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 23 UNCH | .000001 | .000001 |
| 780 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 20 UNCH | ---- | ---- |
| 790 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 31 UNCH | ---- | ---- |
| 795 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 13 UNCH | .0000005 | .0000005 |
| 820 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 77 UNCH | ---- | .0000025/ |
| 825 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 14 UNCH | .0000035I | .000002A |
| 840 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 10 UNCH | .000002B | .000001A |
| 850 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 245 UNCH | .000007B | .000001 |
| 855 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 76 UNCH | .000008B | .000001 |
| 860 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 61 UNCH | .000006B | .000002A |
| 865 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 273 UNCH | .000011B | .000001 |
| 870 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 151 UNCH | .000014B | .000001A |
| 875 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 306 UNCH | .000016B | .0000005 |
| 880 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | 4 | 531 - 4 | .000020B | .0000005 |
| 885 | ---- | ---- | ---- | .0000005N | .0000005 UNCH | .008 | ---- | 30 | 492 + 30 | .000026B | .000001A |
| 890 | ---- | ---- | ---- | .000001N | 0000015 + 0000005 | .024 | ---- | 98 | 1854 - 49 | .000033B | .000001 |
| 895 | ---- | ---- | ---- | .0000025N | .000003 + 0000005 | .051 | ---- | 53 | 2011 UNCH | .000045B | .000001 |
| 900 | ---- | ---- | ---- | .000006N | .000007 + 0000010 | .114 | ---- | 205 | 2492 - 4 | .000064B | .000002 |
| 905 | ---- | ---- | ---- | .000014N | .000015 + 0000010 | .226 | ---- | 446 | 2622 + 46 | .000087B | .000006A |
| 910 | ---- | ---- | ---- | .000030N | .000032 + 0000020 | .402 | ---- | 598 | 1926 - 22 | .000116B | .000014 |
| 915 | ---- | ---- | ---- | .000055N | .000059 + 0000040 | .589 | ---- | 13 | 1945 - 7 | .000148B | .000022A |
| 920 | ---- | ---- | ---- | .000089N | .000095 + 0000060 | .739 | ---- | 5 | 1761 UNCH | .000185B | .000027A |
| 925 | ---- | ---- | ---- | .000130N | .000137 + 0000070 | .840 | ---- | ---- | 615 UNCH | .000225B | .000035A |
| 930 | ---- | ---- | ---- | .000175N | .000183 + 0000080 | .897 | ---- | ---- | 575 UNCH | .000267B | .000045A |
| 935 | ---- | ---- | ---- | .000222N | .000230 + 0000080 | .936 | ---- | ---- | 672 UNCH | .000312B | .000056A |
| 940 | ---- | ---- | ---- | .000270N | .000278 + 0000080 | .957 | ---- | ---- | 105 UNCH | .000358B | .000067A |
| 945 | ---- | ---- | ---- | .000319N | .000327 + 0000080 | .971 | ---- | ---- | 79 UNCH | .000404B | .000082A |
| 950 | ---- | ---- | ---- | .000369N | .000376 + 0000070 | .982 | ---- | ---- | 61 UNCH | .000452B | .000100A |
| 955 | ---- | ---- | ---- | .000418N | .000426 + 0000080 | .989 | ---- | ---- | 58 UNCH | .000500B | .000120A |
| 960 | ---- | ---- | ---- | .000468N | .000475 + 0000070 | .994 | ---- | ---- | 87 UNCH | .000549B | .000144A |
| 965 | ---- | ---- | ---- | .000517N | .000525 + 0000080 | .997 | ---- | ---- | 69 UNCH | .000598B | .000169A |
| 970 | ---- | ---- | ---- | .000567N | .000575 + 0000080 | .998 | ---- | ---- | 2 UNCH | .000647B | .000198A |
| 980 | ---- | ---- | ---- | .000667N | .000675 + 0000080 | .999 | ---- | ---- | 22 UNCH | .000746B | .000260A |
| 990 | ---- | ---- | ---- | .000767N | .000775 + 0000080 | .999 | ---- | ---- | 1 UNCH | .000845B | .000331A |
| 995 | ---- | ---- | ---- | .000817N | .000825 + 0000080 | .999 | ---- | ---- | 1 UNCH | .000895B | .000369A |
| 1000 | ---- | ---- | ---- | .000867N | .000875 + 0000080 | 1.000 | ---- | ---- | 1 UNCH | .000945B | .000408A |
| 1005 | ---- | ---- | ---- | .000917N | .000925 + 0000080 | 1.000 | ---- | ---- | 1 UNCH | .000994B | .000449A |
| 1025 | ---- | ---- | ---- | .001116N | .001124 + 0000080 | 1.000 | ---- | ---- | 1 UNCH | .001009B | .000621A |
| 1045 | ---- | ---- | ---- | .001316N | .001324 + 0000080 | 1.000 | ---- | ---- | 1 UNCH | .001059B | .000803A |
| 1065 | ---- | ---- | ---- | .001516N | .001524 + 0000080 | 1.000 | ---- | ---- | 2 UNCH | .001248B | .000992A |
| 1070 | ---- | ---- | ---- | .001566N | .001574 + 0000080 | 1.000 | ---- | ---- | 1 UNCH | .001296B | .001040A |
| 1075 | ---- | ---- | ---- | .001616N | .001624 + 0000080 | 1.000 | ---- | ---- | 4 UNCH | .001344B | .001088A |
| 1080 | ---- | ---- | ---- | .001666N | .001674 + 0000080 | 1.000 | ---- | ---- | 4 UNCH | .001393B | .001136A |
| 1085 | ---- | ---- | ---- | .001716N | .001724 + 0000080 | 1.000 | ---- | ---- | 6 UNCH | .001441B | .001184A |
| 1090 | ---- | ---- | ---- | .001766N | .001774 + 0000080 | 1.000 | ---- | ---- | 6 UNCH | .001489B | .001233A |
| TOTAL | | | | | | | | 1452 | 19308 - 10 | | |
| AUG18 | JPU OPT - JPU | (FUTURES SETT. | .009104 - | 7.5 ) | | | | | | | |
| 805 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 70 UNCH | .0000005 | .0000005 |
| 835 | ---- | ---- | ---- | .0000005N | .0000005 UNCH | .001 | ---- | ---- | 215 UNCH | .0000035I | .0000025/ |
| 840 | ---- | ---- | ---- | .0000005N | .0000005 UNCH | .002 | ---- | ---- | 68 UNCH | .0000045 | .000002A |
| 845 | ---- | ---- | ---- | .0000005N | .0000005 UNCH | .005 | ---- | ---- | 28 UNCH | .000005B | .000001 |
| 850 | ---- | ---- | ---- | .000001N | .000001 UNCH | .009 | ---- | ---- | 59 UNCH | .000005B | .0000015/ |
| 855 | ---- | ---- | ---- | .000001N | .000001 UNCH | .010 | ---- | ---- | 11 UNCH | .000006B | .000002A |
| 860 | ---- | ---- | ---- | .0000015N | .0000015 UNCH | .015 | ---- | 19 | 99 UNCH | .000009B | .000001 |
| 865 | ---- | ---- | ---- | .000002N | .000002 UNCH | .020 | ---- | 33 | 124 + 33 | .000011B | .0000015 |
| 870 | ---- | ---- | ---- | .0000025N | .000003 + 0000005 | .030 | ---- | ---- | 189 UNCH | .000015B | .000002 |
| 875 | ---- | ---- | ---- | .0000035N | .000004 + 0000005 | .041 | ---- | 1 | 527 UNCH | .000021 | .0000025 |
| 880 | ---- | ---- | ---- | .000005N | .000006 + 0000010 | .060 | ---- | 219 | 350 + 110 | .000029B | .0000035/ |
| 885 | ---- | ---- | ---- | .000009N | .000009 UNCH | .088 | ---- | 44 | 425 - 41 | .000039B | .000006A |
| 890 | ---- | ---- | ---- | .000014N | .000014 UNCH | .129 | ---- | 24 | 796 + 3 | .000052 | .000008 |
| 895 | ---- | ---- | ---- | .000021N | .000022 + 0000010 | .188 | ---- | 186 | 1044 + 58 | .000069B | .000013A |
| 900 | ---- | ---- | ---- | .000033N | .000035 + 0000020 | .267 | ---- | 259 | 1052 - 71 | .000090B | .000020A |
| 905 | ---- | ---- | ---- | .000049N | .000052 + 0000030 | .355 | ---- | 17 | 1373 + 1 | .000114B | .000026A |
| 910 | ---- | ---- | ---- | .000070N | .000074 + 0000040 | .448 | ---- | 106 | 648 - 19 | .000142B | .000033A |
| 915 | ---- | ---- | ---- | .000097N | .000102 + 0000050 | .540 | ---- | 5 | 1012 + 2 | .000174B | .000043A |
| 920 | ---- | ---- | ---- | .000128N | .000134 + 0000060 | .624 | ---- | 103 | 213 + 32 | .000208B | .000055A |
| 925 | ---- | ---- | ---- | .000164N | .000170 + 0000060 | .696 | ---- | ---- | 108 UNCH | .000246B | .000069A |
| 930 | ---- | ---- | ---- | .000203N | .000210 + 0000070 | .758 | ---- | ---- | 74 UNCH | .000286B | .000085A |
| 935 | ---- | ---- | ---- | .000245N | .000252 + 0000070 | .808 | ---- | ---- | 75 UNCH | .000328B | .000104A |
| 940 | ---- | ---- | ---- | .000289N | .000296 + 0000070 | .844 | ---- | ---- | 1 UNCH | .000371B | .000126A |
| 950 | ---- | ---- | ---- | .000380N | .000388 + 0000080 | .899 | ---- | ---- | 6 UNCH | .000461B | .000179A |

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# JAPANESE YEN PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



JPU OPT - JPU

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JPU OPT - JPU | (FUTURES SETT. | .009104 - | 7.5 ) | | | | | | | | | | | |
| 955 | ---- | ---- | ---- | .000428N | .000435 | + 0000070 | .920 | ---- | ---- | 5 | UNCH | .000508B | .000209A |
| 960 | ---- | ---- | ---- | .000475N | .000483 | + 0000080 | .934 | ---- | ---- | 1 | UNCH | .000555B | .000241A |
| 965 | ---- | ---- | ---- | .000524N | .000531 | + 0000070 | .948 | ---- | ---- | 1 | UNCH | .000603B | .000276A |
| 985 | ---- | ---- | ---- | .000719N | .000727 | + 0000080 | .978 | ---- | ---- | 1 | UNCH | .000797B | .000431A |
| 990 | ---- | ---- | ---- | .000768N | .000776 | + 0000080 | .981 | ---- | ---- | 4 | UNCH | .000846B | .000474A |
| 1000 | ---- | ---- | ---- | .000867N | .000875 | + 0000080 | .986 | ---- | ---- | 2 | UNCH | .000944B | .000560A |
| 1010 | ---- | ---- | ---- | .000966N | .000974 | + 0000080 | .989 | ---- | ---- | 1 | UNCH | .001003B | .000650A |
| 1015 | ---- | ---- | ---- | .001016N | .001024 | + 0000080 | .992 | ---- | ---- | 1 | UNCH | .001037B | .000696A |
| 1025 | ---- | ---- | ---- | .001116N | .001124 | + 0000080 | .993 | ---- | ---- | 1 | UNCH | .001136B | .000788A |
| 1030 | ---- | ---- | ---- | .001165N | .001173 | + 0000080 | .996 | ---- | ---- | 1 | UNCH | .001186B | .000835A |
| 1045 | ---- | ---- | ---- | .001315N | .001323 | + 0000080 | .998 | ---- | ---- | 1 | UNCH | .001218B | .000978A |
| 1055 | ---- | ---- | ---- | .001414N | .001423 | + 0000090 | .999 | ---- | ---- | 2 | UNCH | .001268B | .001074A |
| TOTAL | | | | | | | | | 1016 | 8588 | + 108 | | |
| SEP18 | JPU OPT - JPU | (FUTURES SETT. | .009125 - | 8.0 ) | | | | | | | | | |
| 740 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 280 | UNCH | .000006 | .0000005 |
| 745 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 248 | UNCH | .000007B | .000002 |
| 750 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 135 | UNCH | .000009B | .000002 |
| 760 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 21 | UNCH | .000015B | .0000025/ |
| 770 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 22 | UNCH | .000019B | .0000035/ |
| 780 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 101 | UNCH | .000025B | .000004A |
| 785 | ---- | ---- | ---- | ---- | 0000005 | + 0000005 | .000 | ---- | ---- | 100 | UNCH | .000029B | .0000015 |
| 790 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .000 | ---- | ---- | 75 | UNCH | .000033B | .0000005 |
| 795 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .000 | ---- | 5 | 74 | + 5 | .000037B | .0000005 |
| 800 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .001 | ---- | ---- | 237 | UNCH | .000042B | .000001 |
| 805 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .002 | ---- | ---- | 39 | UNCH | .000047B | .000001A |
| 810 | ---- | ---- | ---- | .0000005N | .0000005 | UNCH | .003 | ---- | ---- | 144 | UNCH | .000054B | .000001A |
| 815 | ---- | ---- | ---- | .0000005N | .000001 | + 0000005 | .006 | ---- | ---- | 100 | UNCH | .000060B | .000001 |
| 820 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .007 | ---- | ---- | 64 | UNCH | .000068B | .0000025/ |
| 825 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .007 | ---- | ---- | 191 | UNCH | .000076B | .000001A |
| 830 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .010 | ---- | ---- | 16 | UNCH | .000085B | .000001 |
| 835 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .011 | ---- | ---- | 105 | UNCH | .000095B | .0000015/ |
| 840 | ---- | ---- | ---- | .000002N | .000002 | UNCH | .015 | ---- | ---- | 12 | UNCH | .000106B | .000002A |
| 845 | ---- | ---- | ---- | .0000025N | .0000025 | UNCH | .018 | ---- | ---- | 28 | UNCH | .000119B | .0000045/ |
| 850 | ---- | ---- | ---- | .000003N | .000003 | UNCH | .023 | ---- | ---- | 177 | UNCH | .000134B | .0000035/ |
| 855 | ---- | ---- | ---- | .000004N | .000004 | UNCH | .030 | ---- | ---- | 441 | UNCH | .000149B | .0000035/ |
| 860 | ---- | ---- | ---- | .000005N | .000005 | UNCH | .038 | ---- | ---- | 121 | UNCH | .000166B | .0000045/ |
| 865 | ---- | ---- | ---- | .000007N | .000007 | UNCH | .052 | ---- | ---- | 163 | UNCH | .000185B | .000006A |
| 870 | ---- | ---- | ---- | .000009N | .000009 | UNCH | .066 | ---- | 44 | 1213 | + 10 | .000205B | .000006 |
| 875 | ---- | ---- | ---- | .000012N | .000013 | + 0000010 | .092 | ---- | 1 | 301 | UNCH | .000227B | .000009A |
| 880 | ---- | ---- | ---- | .000017N | .000018 | + 0000010 | .122 | ---- | 4 | 692 | + 2 | .000250B | .000013 |
| 885 | ---- | ---- | ---- | .000024N | .000025 | + 0000010 | .160 | ---- | 35 | 478 | + 25 | .000275B | .000015 |
| 890 | ---- | ---- | ---- | .000034N | .000035 | + 0000010 | .209 | ---- | ---- | 894 | UNCH | .000301B | .000019A |
| 895 | ---- | ---- | ---- | .000046N | .000048 | + 0000020 | .265 | ---- | ---- | 615 | UNCH | .000329B | .000022A |
| 900 | ---- | ---- | ---- | .000062N | .000064 | + 0000020 | .326 | ---- | 10 | 1129 | UNCH | .000357B | .000023 |
| 905 | ---- | ---- | ---- | .000082N | .000085 | + 0000030 | .393 | ---- | ---- | 656 | UNCH | .000379B | .000032A |
| 910 | ---- | ---- | ---- | .000105N | .000109 | + 0000040 | .460 | ---- | 5 | 901 | UNCH | .000408B | .000036 |
| 915 | ---- | ---- | ---- | .000132N | .000137 | + 0000050 | .525 | ---- | 23 | 996 | - 21 | .000430B | .000047A |
| 920 | ---- | ---- | ---- | .000162N | .000168 | + 0000060 | .587 | ---- | ---- | 303 | UNCH | .000466B | .000056A |
| 925 | ---- | ---- | ---- | .000196N | .000202 | + 0000060 | .642 | ---- | ---- | 162 | UNCH | .000454B | .000067A |
| 930 | ---- | ---- | ---- | .000233N | .000239 | + 0000060 | .692 | ---- | ---- | 201 | UNCH | .000509B | .000072 |
| 935 | ---- | ---- | ---- | .000272N | .000278 | + 0000060 | .737 | ---- | ---- | 20 | UNCH | .000499B | .000094A |
| 940 | ---- | ---- | ---- | .000312N | .000319 | + 0000070 | .775 | ---- | ---- | 27 | UNCH | .000509B | .000108A |
| 945 | ---- | ---- | ---- | .000355N | .000362 | + 0000070 | .808 | ---- | ---- | 153 | UNCH | .000528B | .000126A |
| 950 | ---- | ---- | ---- | .000399N | .000406 | + 0000070 | .836 | ---- | ---- | 26 | UNCH | .000485B | .000146A |
| 960 | ---- | ---- | ---- | .000489N | .000496 | + 0000070 | .879 | ---- | ---- | 50 | UNCH | .000565B | .000193A |
| 965 | ---- | ---- | ---- | .000535N | .000543 | + 0000080 | .895 | ---- | ---- | 22 | UNCH | .000612B | .000219A |
| 970 | ---- | ---- | ---- | .000582N | .000590 | + 0000080 | .910 | ---- | ---- | 15 | UNCH | .000658B | .000248A |
| 980 | ---- | ---- | ---- | .000677N | .000685 | + 0000080 | .932 | ---- | ---- | 3 | UNCH | .000753B | .000311A |
| 985 | ---- | ---- | ---- | .000725N | .000733 | + 0000080 | .942 | ---- | ---- | 1 | UNCH | .000801B | .000344A |
| 990 | ---- | ---- | ---- | .000774N | .000782 | + 0000080 | .948 | ---- | ---- | 20 | UNCH | .000849B | .000380A |
| 995 | ---- | ---- | ---- | .000822N | .000830 | + 0000080 | .957 | ---- | ---- | 21 | UNCH | .000897B | .000417A |
| 1000 | ---- | ---- | ---- | .000871N | .000879 | + 0000080 | .962 | ---- | ---- | 20 | UNCH | .000946B | .000453A |
| 1005 | ---- | ---- | ---- | .000920N | .000928 | + 0000080 | .964 | ---- | ---- | 20 | UNCH | .000995B | .000492A |
| 1010 | ---- | ---- | ---- | .000969N | .000977 | + 0000080 | .969 | ---- | ---- | 22 | UNCH | .001043B | .000533A |
| 1015 | ---- | ---- | ---- | .001018N | .001026 | + 0000080 | .973 | ---- | ---- | 10 | UNCH | .001092B | .000572A |
| 1020 | ---- | ---- | ---- | .001067N | .001075 | + 0000080 | .976 | ---- | ---- | 15 | UNCH | .001141B | .000615A |
| 1025 | ---- | ---- | ---- | .001117N | .001125 | + 0000080 | .979 | ---- | ---- | 6 | UNCH | .001190B | .000656A |
| 1030 | ---- | ---- | ---- | .001166N | .001174 | + 0000080 | .981 | ---- | ---- | 2 | UNCH | .001239B | .000699A |
| 1035 | ---- | ---- | ---- | .001215N | .001223 | + 0000080 | .984 | ---- | ---- | 10 | UNCH | .001234B | .000742A |
| 1040 | ---- | ---- | ---- | .001265N | .001273 | + 0000080 | .986 | ---- | ---- | 4 | UNCH | .001283B | .000786A |
| 1045 | ---- | ---- | ---- | .001314N | .001322 | + 0000080 | .987 | ---- | ---- | 3 | UNCH | .001332B | .000831A |
| 1050 | ---- | ---- | ---- | .001364N | .001372 | + 0000080 | .989 | ---- | ---- | 3 | UNCH | .001382B | .000876A |
| 1115 | ---- | ---- | ---- | .002010N | .002018 | + 0000080 | .995 | ---- | ---- | 10 | UNCH | .001884 | .001549A |
| TOTAL | | | | | | | | | 127 | 11918 | + 21 | | |
| OCT18 | JPU OPT - JPU | (FUTURES SETT. | .009146 - | 8.0 ) | | | | | | | | | |
| 800 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .005 | ---- | ---- | 9 | UNCH | ---- | .000001A |
| 820 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .009 | ---- | ---- | 35 | UNCH | .0000035I | .0000015 |
| 835 | ---- | ---- | ---- | .0000025N | .000003 | + 0000005 | .018 | ---- | ---- | 31 | UNCH | .000005B | .0000035/ |
| 840 | ---- | ---- | ---- | .000003N | .0000035 | + 0000005 | .021 | ---- | ---- | 11 | UNCH | .000006 | .0000035/ |
| 845 | ---- | ---- | ---- | .000004N | .0000045 | + 0000005 | .027 | ---- | ---- | 29 | UNCH | .000010B | .0000035 |
| 850 | ---- | ---- | ---- | .000005N | .000006 | + 0000010 | .035 | ---- | ---- | 79 | UNCH | .000012B | .000004A |
| 855 | ---- | ---- | ---- | .000006N | .000007 | + 0000010 | .042 | ---- | ---- | 40 | UNCH | .000015B | .000005A |
| 860 | ---- | ---- | ---- | .000008N | .000008 | UNCH | .049 | ---- | ---- | 60 | UNCH | .000019B | .000007A |
| 865 | ---- | ---- | ---- | .000010N | .000011 | + 0000010 | .065 | ---- | ---- | 45 | UNCH | .000024B | .000008A |
| 870 | ---- | ---- | ---- | .000013N | .000014 | + 0000010 | .081 | ---- | ---- | 18 | UNCH | .000030B | .000010 |
| 875 | ---- | ---- | ---- | .000017N | .000018 | + 0000010 | .102 | ---- | ---- | 6 | UNCH | .000038B | .000013 |
| 880 | ---- | ---- | ---- | .000022N | .000023 | + 0000010 | .126 | ---- | ---- | 5 | UNCH | .000048B | .000018A |
| 885 | ---- | ---- | ---- | .000030N | .000031 | + 0000010 | .160 | ---- | ---- | 16 | UNCH | .000060B | .000023A |
| 890 | ---- | ---- | ---- | .000039N | .000040 | + 0000010 | .197 | ---- | ---- | 21 | UNCH | .000074B | .000028A |
| 895 | ---- | ---- | ---- | .000050N | .000052 | + 0000020 | .241 | ---- | ---- | 112 | UNCH | .000091B | .000035A |
| 900 | ---- | ---- | ---- | .000064N | .000067 | + 0000030 | .290 | ---- | ---- | 328 | UNCH | .000110B | .000044A |
| 905 | ---- | ---- | ---- | .000081N | .000085 | + 0000040 | .343 | ---- | ---- | 340 | UNCH | .000132B | .000055A |
| 910 | ---- | ---- | ---- | .000101N | .000105 | + 0000040 | .396 | ---- | ---- | 19 | UNCH | .000157B | .000067A |
| 915 | ---- | ---- | ---- | .000124N | .000129 | + 0000050 | .451 | ---- | ---- | 32 | UNCH | .000184B | .000082A |
| 920 | ---- | ---- | ---- | .000150N | .000156 | + 0000060 | .505 | ---- | ---- | 62 | UNCH | .000214B | .000099A |
| 925 | ---- | ---- | ---- | .000180N | .000186 | + 0000060 | .557 | ---- | ---- | 153 | UNCH | .000245B | .000118A |
| 930 | ---- | ---- | ---- | .000212N | .000218 | + 0000060 | .605 | ---- | ---- | 35 | UNCH | .000279B | .000141A |
| 935 | ---- | ---- | ---- | .000247N | .000253 | + 0000060 | .649 | ---- | ---- | 42 | UNCH | .000316B | .000166A |
| 940 | ---- | ---- | ---- | .000284N | .000291 | + 0000070 | .690 | ---- | ---- | 10 | UNCH | .000354B | .000193A |
| 950 | ---- | ---- | ---- | .000363N | .000371 | + 0000080 | .758 | ---- | ---- | 1 | UNCH | .000435B | .000255A |
| 980 | ---- | ---- | ---- | .000628N | .000636 | + 0000080 | .884 | ---- | ---- | 1 | UNCH | .000701B | .000482A |
| 995 | ---- | ---- | ---- | .000769N | .000777 | + 0000080 | .918 | ---- | ---- | 1 | UNCH | .000842B | .000611A |
| 1010 | ---- | ---- | ---- | .000912N | .000921 | + 0000090 | .943 | ---- | ---- | 1 | UNCH | .000985B | .000747A |
| 1015 | ---- | ---- | ---- | .000961N | .000969 | + 0000080 | .948 | ---- | ---- | 8 | UNCH | .001030B | .000793A |
| 1020 | ---- | ---- | ---- | .001009N | .001018 | + 0000090 | .956 | ---- | ---- | 1 | UNCH | .001079B | .000839A |
| 1025 | ---- | ---- | ---- | .001058N | .001066 | + 0000080 | .960 | ---- | ---- | 1 | UNCH | .001127B | .000886A |
| 1030 | ---- | ---- | ---- | .001107N | .001115 | + 0000080 | .964 | ---- | ---- | 8 | UNCH | .001176B | .000933A |
| 1040 | ---- | ---- | ---- | .001204N | .001213 | + 0000090 | .969 | ---- | ---- | 1 | UNCH | .001274B | .001028A |
| 1045 | ---- | ---- | ---- | .001253N | .001262 | + 0000090 | .973 | ---- | ---- | 1 | UNCH | .001322B | .001076A |
| 1070 | ---- | ---- | ---- | .001499N | .001508 | + 0000090 | .984 | ---- | ---- | 2 | UNCH | .001568B | .001317A |
| 1075 | ---- | ---- | ---- | .001549N | .001557 | + 0000080 | .986 | ---- | ---- | 1 | UNCH | .001562B | .001366A |
| 1080 | ---- | ---- | ---- | .001598N | .001607 | + 0000090 | .987 | ---- | ---- | 1 | UNCH | .001611B | .001414A |
| TOTAL | | | | | | | | | 0 | 1566 | | | |
| DEC18 | JPU OPT - JPU | (FUTURES SETT. | .009188 - | 8.5 ) | | | | | | | | | |
| 750 | ---- | ---- | ---- | .000001N | 0000005 | - 0000005 | .002 | ---- | ---- | 205 | UNCH | .000002 | .000002 |
| 760 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .004 | ---- | ---- | 148 | UNCH | .000002 | .000001A |
| 770 | ---- | ---- | ---- | .000001N | .000001 | UNCH | .004 | ---- | ---- | 45 | UNCH | .000003B | .000003 |
| 780 | ---- | ---- | ---- | .0000015N | .0000015 | UNCH | .007 | ---- | ---- | 45 | UNCH | .0000035I | .0000015/ |
| 795 | ---- | ---- | ---- | .000002N | 0000025 | + 0000005 | .011 | ---- | ---- | 45 | UNCH | .000005B | .000002A |
| 800 | ---- | ---- | ---- | .0000025N | .0000025 | UNCH | .012 | ---- | ---- | 45 | UNCH | .000005B | .000004 |
| 805 | ---- | ---- | ---- | .0000025N | .000003 | + 0000005 | .014 | ---- | ---- | 17 | UNCH | .000006B | .0000025/ |
| 810 | ---- | ---- | ---- | .000003N | 0000035 | + 0000005 | .016 | ---- | ---- | 88 | UNCH | .000007B | .000003A |
| 815 | ---- | ---- | ---- | .000004N | 0000045 | + 0000005 | .021 | ---- | ---- | 118 | UNCH | .000008B | .0000035/ |
| 820 | ---- | ---- | ---- | .0000045N | .000005 | + 0000005 | .023 | ---- | ---- | 74 | UNCH | .000009B | .0000045 |
| 825 | ---- | ---- | ---- | .000005N | .000006 | + 0000010 | .028 | ---- | ---- | 41 | UNCH | .000010B | .000006A |
| 830 | ---- | ---- | ---- | .000007N | .000007 | UNCH | .033 | ---- | ---- | 141 | UNCH | .000030B | .000007A |
| 835 | ---- | ---- | ---- | .000008N | .000008 | UNCH | .038 | ---- | ---- | 130 | UNCH | .000053B | .000010A |
| 840 | ---- | ---- | ---- | .000009N | .000010 | + 0000010 | .046 | ---- | ---- | 197 | UNCH | .000064B | .000008 |
| 850 | ---- | ---- | ---- | .000013N | .000014 | + 0000010 | .064 | ---- | ---- | 75 | UNCH | .000092B | .000012A |
| 855 | ---- | ---- | ---- | .000017N | .000017 | UNCH | .077 | ---- | ---- | 6 | UNCH | .000107B | .000015A |
| 860 | ---- | ---- | ---- | .000020N | .000021 | + 0000010 | .093 | ---- | ---- | 1226 | UNCH | .000121B | .000018A |
| 865 | ---- | ---- | ---- | .000025N | .000026 | + 0000010 | .111 | ---- | 1 | 11 | UNCH | .000137B | .000021A |
| 870 | ---- | ---- | ---- | .000031N | .000033 | + 0000020 | .135 | ---- | ---- | 12 | UNCH | .000153B | .000025A |
| 875 | ---- | ---- | ---- | .000039N | .000041 | + 0000020 | .161 | ---- | ---- | 19 | UNCH | .000171B | .000026A |
| 880 | ---- | ---- | ---- | .000048N | .000050 | + 0000020 | .189 | ---- | ---- | 28 | UNCH | .000191B | .000028 |
| 885 | ---- | ---- | ---- | .000059N | .000061 | + 0000020 | .221 | ---- | ---- | 39 | UNCH | .000213B | .000033A |
| 890 | ---- | ---- | ---- | .000072N | .000074 | + 0000020 | .256 | ---- | ---- | 994 | UNCH | .000236B | .000038A |
| 895 | ---- | ---- | ---- | .000086N | .000090 | + 0000040 | .294 | ---- | ---- | 260 | UNCH | .000262 | .000042A |
| 900 | ---- | ---- | ---- | .000104N | .000107 | + 0000030 | .333 | ---- | 2 | 411 | UNCH | .000286 | .000049A |
| 905 | ---- | ---- | ---- | .000123N | .000127 | + 0000040 | .374 | ---- | ---- | 204 | UNCH | .000313B | .000055A |
| 910 | ---- | ---- | ---- | .000145N | .000150 | + 0000050 | .416 | ---- | ---- | 315 | UNCH | .000341B | .000063A |

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# JAPANESE YEN PUT OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



JPU OPT - JPU

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JPU OPT - JPU | (FUTURES SETT. | .009188 - | 8.5 ) | | | | | | | | | | |
| 915 | ---- | ---- | ---- | .000169N | .000174 | +0000050 | .458 | ---- | ---- | 108 | UNCH | .000346B | .000072A |
| 920 | ---- | ---- | ---- | .000196N | .000202 | +0000060 | .499 | ---- | ---- | 147 | UNCH | .000386B | .000083A |
| 925 | ---- | ---- | ---- | .000225N | .000231 | +0000060 | .539 | ---- | ---- | 159 | UNCH | .000420B | .000094A |
| 930 | ---- | ---- | ---- | .000257N | .000263 | +0000060 | .577 | ---- | ---- | 198 | UNCH | .000427B | .000107A |
| 935 | ---- | ---- | ---- | .000290N | .000296 | +0000060 | .613 | ---- | ---- | 393 | UNCH | .000455B | .000121A |
| 940 | ---- | ---- | ---- | .000325N | .000332 | +0000070 | .646 | ---- | ---- | 21 | UNCH | .000421B | .000137A |
| 950 | ---- | ---- | ---- | .000400N | .000407 | +0000070 | .705 | ---- | ---- | 203 | UNCH | .000467B | .000174A |
| 955 | ---- | ---- | ---- | .000440N | .000447 | +0000070 | .731 | ---- | ---- | 26 | UNCH | .000507B | .000195A |
| 960 | ---- | ---- | ---- | .000481N | .000488 | +0000070 | .755 | ---- | ---- | 10 | UNCH | .000549B | .000217A |
| 965 | ---- | ---- | ---- | .000523N | .000530 | +0000070 | .776 | ---- | ---- | 20 | UNCH | .000591B | .000242A |
| 975 | ---- | ---- | ---- | .000609N | .000616 | +0000070 | .813 | ---- | ---- | 5 | UNCH | .000677B | .000295A |
| 1000 | ---- | ---- | ---- | .000834N | .000842 | +0000080 | .882 | ---- | ---- | 4 | UNCH | .000904B | .000578A |
| 1005 | ---- | ---- | ---- | .000880N | .000888 | +0000080 | .892 | ---- | ---- | 1 | UNCH | .000950B | .000619A |
| 1015 | ---- | ---- | ---- | .000974N | .000981 | +0000070 | .910 | ---- | ---- | 4 | UNCH | .001040B | .000703A |
| 1020 | ---- | ---- | ---- | .001021N | .001029 | +0000080 | .917 | ---- | ---- | 1 | UNCH | .001087B | .000746A |
| 1035 | ---- | ---- | ---- | .001163N | .001171 | +0000080 | .936 | ---- | ---- | 1 | UNCH | .001230B | .000877A |
| 1065 | ---- | ---- | ---- | .001453N | .001461 | +0000080 | .960 | ---- | ---- | 1 | UNCH | .001519B | .001278A |
| 1075 | ---- | ---- | ---- | .001550N | .001559 | +0000090 | .966 | ---- | ---- | 1 | UNCH | .001616B | .001373A |
| 1080 | ---- | ---- | ---- | .001599N | .001608 | +0000090 | .969 | ---- | ---- | 1 | UNCH | .001664B | .001421A |
| 1100 | ---- | ---- | ---- | .001795N | .001803 | +0000080 | .976 | ---- | ---- | 1 | UNCH | .001859B | .001613A |
| 1110 | ---- | ---- | ---- | .001893N | .001901 | +0000080 | .980 | ---- | ---- | 2 | UNCH | .001957B | .001394A |
| TOTAL | | | | | | | | | 3 | 6246 | | | |
| MAR19 | JPU OPT - JPU | (FUTURES SETT. | .009258 - | 9.0 ) | | | | | | | | | |
| 805 | ---- | ---- | ---- | .000007N | .000008 | +0000010 | .028 | ---- | ---- | 45 | UNCH | .000007 | .000007 |
| 860 | ---- | ---- | ---- | .000036N | .000037 | +0000010 | .120 | ---- | ---- | 25 | UNCH | .000054B | .000031A |
| 870 | ---- | ---- | ---- | .000050N | .000052 | +0000020 | .159 | ---- | ---- | 95 | UNCH | .000073B | .000035A |
| 880 | ---- | ---- | ---- | .000070N | .000072 | +0000020 | .206 | ---- | ---- | 10 | UNCH | .000097B | .000040A |
| 885 | ---- | ---- | ---- | .000082N | .000084 | +0000020 | .232 | ---- | ---- | 4 | UNCH | .000111B | .000046A |
| 890 | ---- | ---- | ---- | .000095N | .000098 | +0000030 | .260 | ---- | ---- | 1 | UNCH | .000127B | .000050A |
| 910 | ---- | ---- | ---- | .000166N | .000171 | +0000050 | .384 | ---- | ---- | 146 | UNCH | .000210B | .000080A |
| 915 | ---- | ---- | ---- | .000188N | .000193 | +0000050 | .416 | ---- | ---- | 42 | UNCH | .000235B | .000089A |
| 920 | ---- | ---- | ---- | .000213N | .000218 | +0000050 | .449 | ---- | ---- | 1 | UNCH | .000262B | .000100A |
| 925 | ---- | ---- | ---- | .000239N | .000244 | +0000050 | .481 | ---- | ---- | 30 | UNCH | .000291B | .000112A |
| 930 | ---- | ---- | ---- | .000267N | .000273 | +0000060 | .513 | ---- | ---- | 14 | UNCH | .000321B | .000125A |
| 935 | ---- | ---- | ---- | .000297N | .000303 | +0000060 | .543 | ---- | ---- | 279 | UNCH | .000353B | .000139A |
| 945 | ---- | ---- | ---- | .000362N | .000369 | +0000070 | .600 | ---- | ---- | 2 | UNCH | .000396B | .000171A |
| 950 | ---- | ---- | ---- | .000396N | .000404 | +0000080 | .626 | ---- | ---- | 31 | UNCH | .000424B | .000182 |
| 955 | ---- | ---- | ---- | .000433N | .000440 | +0000070 | .651 | ---- | ---- | 10 | UNCH | .000460B | .000209A |
| 960 | ---- | ---- | ---- | .000470N | .000478 | +0000080 | .674 | ---- | ---- | 39 | UNCH | .000498B | .000230A |
| 1000 | ---- | ---- | ---- | .000800N | .000808 | +0000080 | .811 | ---- | ---- | 1 | UNCH | .000831B | .000451A |
| 1005 | ---- | ---- | ---- | .000844N | .000852 | +0000080 | .823 | ---- | ---- | 1 | UNCH | .000875B | .000489A |
| 1010 | ---- | ---- | ---- | .000888N | .000897 | +0000090 | .835 | ---- | ---- | 1 | UNCH | .000920B | .000833A |
| 1015 | ---- | ---- | ---- | .000933N | .000941 | +0000080 | .846 | ---- | ---- | 1 | UNCH | .000965B | .000877A |
| TOTAL | | | | | | | | | 0 | 778 | | | |
| JUN19 | JPU OPT - JPU | (FUTURES SETT. | .00) | | | | | | | | | | |
| 860 | ---- | ---- | ---- | .000050N | .000051 | +0000010 | .135 | ---- | ---- | 1 | UNCH | .000056B | .000046 |
| 870 | ---- | ---- | ---- | .000065N | .000066 | NEW | .168 | ---- | 8 | 8 + | 8 | .000073B | .000060A |
| 905 | ---- | ---- | ---- | .000158N | .000161 | +0000030 | .330 | ---- | ---- | 5 | UNCH | .000173B | .000144A |
| 910 | ---- | ---- | ---- | .000177N | .000180 | +0000030 | .357 | ---- | ---- | 1 | UNCH | .000194B | .000161A |
| 930 | ---- | ---- | ---- | .000270N | .000273 | +0000030 | .467 | ---- | ---- | 1 | UNCH | .000293B | .000247A |
| 935 | ---- | ---- | ---- | .000297N | .000301 | +0000040 | .495 | ---- | ---- | 14 | UNCH | .000322B | .000272A |
| 950 | ---- | ---- | ---- | .000388N | .000392 | +0000040 | .572 | ---- | ---- | 1 | UNCH | .000418B | .000357A |
| TOTAL | | | | | | | | | 8 | 31 + | 8 | | |

WJY OPT - WJ1

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | WJY OPT - WJ1 | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | | | |
| 890 | ---- | ---- | ---- | ---- | .005000 | UNCH | .008 | ---- | ---- | 29 | UNCH | .060000B | .015000A |
| 900 | ---- | ---- | ---- | ---- | .025000 | -0050000 | .053 | ---- | ---- | 12 | UNCH | .220000B | .015000A |
| 905 | ---- | ---- | ---- | ---- | .080000 | UNCH | .160 | ---- | 4 | 6 + | 1 | .390000B | .035000A |
| 910 | ---- | ---- | ---- | ---- | .220000 | +0100000 | .370 | ---- | 2 | 28 + | 2 | .660000B | .090000A |
| 915 | ---- | ---- | ---- | ---- | .490000 | +0400000 | .618 | ---- | ---- | 69 | UNCH | .990000B | .220000A |
| 920 | ---- | ---- | ---- | ---- | .870000 | +0600000 | .798 | ---- | ---- | 16 | UNCH | 1.390000I | .450000A |
| 930 | ---- | ---- | ---- | ---- | .790000 | +0800000 | .940 | ---- | ---- | 1 | UNCH | 2.290000I | 1.180000A |
| TOTAL | | | | | | | | | 6 | 161 + | 3 | | |

WJY OPT - WJ2

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | WJY OPT - WJ2 | (FUTURES SETT. | .009086 - | 8.0 ) | | | | | | | | | |
| 890 | ---- | ---- | ---- | ---- | .025000 | +0050000 | .039 | ---- | ---- | 22 | UNCH | .100000B | .020000A |
| 900 | ---- | ---- | ---- | ---- | .110000 | +0200000 | .153 | ---- | ---- | 135 | UNCH | .320000B | .050000A |
| 905 | ---- | ---- | ---- | ---- | .220000 | +0300000 | .269 | ---- | ---- | 96 | UNCH | .510000B | .100000A |
| 910 | ---- | ---- | ---- | ---- | .400000 | +0400000 | .417 | ---- | 81 | 307 + | 49 | .780000B | .200000A |
| 915 | ---- | ---- | ---- | ---- | .680000 | +0600000 | .572 | ---- | 100 | 300 + | 100 | 1.100000I | .360000A |
| TOTAL | | | | | | | | | 181 | 860 + | 149 | | |

WJY OPT - WJ4

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 | WJY OPT - WJ4 | (FUTURES SETT. | .00) | | | | | | | | | | |
| 895 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 175 | .000007B | .0000005A |
| 900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 28 | .000016B | .000001A |
| 905 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 111 | .000031B | .0000005A |
| 910 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 922 | .000057B | .0000005A |
| 915 | ---- | ---- | ---- | ---- | .000025 | -0000020 | 1.000 | 61 | ---- | ---- | 61 | .000091B | .000006A |
| 920 | ---- | ---- | ---- | ---- | .000075 | NEW | 1.000 | 2 | 2 | ---- | UNCH | .000133B | .000028A |
| 925 | ---- | ---- | ---- | ---- | .000125 | +0000070 | 1.000 | 1 | ---- | ---- | 1 | .000179B | .000064A |
| 995 | ---- | ---- | ---- | ---- | .000825 | +0000080 | 1.000 | 1 | ---- | ---- | 1 | .000873B | .000732A |
| 1000 | ---- | ---- | ---- | ---- | .000875 | +0000080 | 1.000 | 1 | ---- | ---- | 1 | .000923B | .000782A |
| TOTAL | | | | | | | | | 4 | 0 - | 1300 | | |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### SWISS FRANC CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|
| SWISS FRNC FUT | 06/18 | | 09/17 | 12/17 | 03/18 | 06/17 |
| SWISS FRNC OPT (EUR) | 03/09 | 03/09 | 03/09 | 03/09 | | |

### SWISS FRANC OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 |
|---|---|---|---|---|---|---|
| 1I | JUN18 | 1020-1260 | | 1072-1257 | 1072-1257 | 1072-1257 |
| | JUL18 | | 1072-1257 | 1072-1257 | 1072-1257 | |

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|
| YS | 895-1220 | 950-1225 | | 900-1225 | | 920-1235 | | |
| RZ | 1020-1260 | 1072-1257 | 1072-1257 | 1072-1257 | 1077-1255 | 1077-1255 | 1075-1255 | 1087-1217 |

### SWISS FRANC FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| SWISS FRNC FUT | | | | | | | | | |
| SEP18 | 1.0162 | 1.0180 | 1.0093 | 1.0101 ( .9900) - 61 | 264 | 22022 | 94679 + 1855 | 1.1065B | 1.0055A |
| DEC18 | 1.0246 | 1.0264B | 1.0183A | 1.0186 ( .9817) - 62 | ---- | 13 | 96 UNCH | 1.1064B | 1.0151A |
| MAR19 | ---- | 1.0343B | 1.0287A | 1.0278 ( .9730) - 63 | ---- | ---- | 13 UNCH | 1.1170B | 1.0265A |
| TOTAL SWISS FRNC FUT | | | | | 264 | 22035 | 94788 + 1855 | | |
| EC/SF CROSS RT | | | | | | | | | |
| SEP18 | 1.1532 | 1.1544B | 1.1501 | ---- | 1.1512 ( .8687) - 24 | ---- | 633 | 8339 - 5 | 1.1968B | 1.1367A |
| DEC18 | ---- | ---- | 1.1506A | ---- | 1.1500 ( .8696) - 23 | ---- | ---- | 1 UNCH | 1.1530B | 1.1470 |
| | | | | | | 0 | 633 | 8340 - 5 | | |

SWISS FRANC (EU) FIXING PRICE: Mar23 1.0120

### ADDITIONAL SWISS FRANC CALL Options **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SF OPT | | | | | | | | | | | |
| JUL18 | 2SF OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1025 | ---- | ---- | ---- | ---- | .00120 - 0.00120 | .150 | ---- | ---- | 3 UNCH | .01080B | .00130A |
| TOTAL | | | | | | | | 0 | 3 | | |
| 3SF OPT | | | | | | | | | | | |
| JUL18 | 3SF OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1030 | ---- | ---- | ---- | ---- | .00120 - 0.00090 | .129 | ---- | ---- | 1 UNCH | .00350B | .00130A |
| TOTAL | | | | | | | | 0 | 1 | | |
| 5SF OPT | | | | | | | | | | | |
| JUN18 | 5SF OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1020 | ---- | ---- | ---- | ---- | .00020 - 0.00110 | .034 | ---- | ---- | 1 UNCH | .01270B | .00130A |
| 1035 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 50 UNCH | .00540B | .00080A |
| 1045 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 150 UNCH | .00270B | .00120A |
| 1050 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 50 UNCH | .00180B | .00100A |
| TOTAL | | | | | | | | 0 | 251 | | |
| CHU OPT | | | | | | | | | | | |
| JUL18 | CHU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1010 | ---- | ---- | ---- | .00810N | .00420 - 0.00390 | .505 | ---- | 1 | 54 - 1 | .02070B | .00390 |
| 1015 | ---- | ---- | ---- | .00510N | .00230 - 0.00280 | .318 | ---- | ---- | 2 UNCH | .01350B | .00270A |
| 1020 | ---- | ---- | ---- | .00290N | .00120 - 0.00170 | .180 | ---- | ---- | 163 UNCH | .04140 | .00160A |
| 1025 | ---- | ---- | ---- | .00160N | .00060 - 0.00100 | .094 | ---- | ---- | 11 UNCH | .01010B | .00110A |
| 1030 | ---- | ---- | ---- | .00080N | .00025 - 0.00055 | .041 | ---- | ---- | 51 UNCH | .01610B | .00070A |
| 1040 | ---- | ---- | ---- | .00015N | .00005 - 0.00010 | .008 | ---- | ---- | 304 UNCH | .02520B | .00060A |
| 1045 | ---- | ---- | ---- | .00005N | CAB ---- | .002 | ---- | ---- | 120 UNCH | .03120B | .00060 |
| 1075 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 20 UNCH | .02790B | .00200A |
| 1080 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 40 UNCH | .02610B | .00210A |
| TOTAL | | | | | | | | 1 | 765 - 1 | | |
| AUG18 | CHU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1015 | ---- | ---- | ---- | .00910N | .00610 - 0.00300 | .409 | ---- | ---- | 3 UNCH | .01930B | .00610A |
| 1025 | ---- | ---- | ---- | .00520N | .00330 - 0.00190 | .250 | ---- | ---- | 1 UNCH | .01290B | .00340A |
| 1030 | ---- | ---- | ---- | .00390N | .00240 - 0.00150 | .190 | ---- | ---- | 2 UNCH | .01860B | .00250A |
| 1040 | ---- | ---- | ---- | .00210N | .00120 - 0.00090 | .104 | ---- | ---- | 130 UNCH | .02900B | .00140A |
| 1045 | ---- | ---- | ---- | .00150N | .00090 - 0.00060 | .078 | ---- | ---- | 50 UNCH | .02560B | .00150A |
| 1050 | ---- | ---- | ---- | .00110N | .00060 - 0.00050 | .055 | ---- | ---- | 2 UNCH | .02240B | .00140A |
| 1060 | ---- | ---- | ---- | .00050N | .00030 - 0.00020 | .028 | ---- | ---- | 2 UNCH | .01700B | .00120A |
| 1065 | ---- | ---- | ---- | .00040N | .00020 - 0.00020 | .019 | ---- | ---- | 1 UNCH | .01530B | .00100 |
| TOTAL | | | | | | | | 0 | 191 | | |
| SEP18 | CHU OPT | (FUTURES SETT. | 1.01010 - | 61.0 ) | | | | | | | |
| 1010 | ---- | ---- | ---- | .01490N | .01140 - 0.00350 | .506 | ---- | 24 | 63 + 24 | .05270B | .01140A |
| 1015 | ---- | ---- | ---- | .01220N | .00930 - 0.00290 | .438 | ---- | ---- | 21 UNCH | .06110B | .00930A |
| 1020 | ---- | ---- | ---- | .01000N | .00750 - 0.00250 | .373 | ---- | ---- | 2 UNCH | .05770B | .00760A |
| 1025 | ---- | ---- | ---- | .00820N | .00610 - 0.00210 | .315 | ---- | ---- | 100 UNCH | .05430B | .00620A |
| 1030 | ---- | ---- | ---- | .00670N | .00490 - 0.00180 | .264 | ---- | ---- | 53 UNCH | .05620B | .00500A |
| 1035 | ---- | ---- | ---- | .00550N | .00400 - 0.00150 | .221 | ---- | ---- | 4 UNCH | .05300B | .00410A |
| 1040 | ---- | ---- | ---- | .00440N | .00320 - 0.00120 | .182 | ---- | ---- | 4 UNCH | .04980B | .00330A |
| 1045 | ---- | ---- | ---- | .00350N | .00260 - 0.00090 | .151 | ---- | ---- | 65 UNCH | .05160B | .00270A |
| 1050 | ---- | ---- | ---- | .00270N | .00210 - 0.00060 | .125 | ---- | ---- | 123 UNCH | .05070B | .00220A |
| 1060 | ---- | ---- | ---- | .00160N | .00130 - 0.00030 | .081 | ---- | ---- | 1 UNCH | .04650B | .00210A |
| 1065 | ---- | ---- | ---- | .00130N | .00110 - 0.00020 | .068 | ---- | ---- | 1 UNCH | .04590B | .00190 |
| TOTAL | | | | | | | | 24 | 437 + 24 | | |
| OCT18 | CHU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1060 | ---- | ---- | ---- | .00430N | .00350 - 0.00080 | .163 | ---- | ---- | 50 UNCH | .00800B | .00410A |
| TOTAL | | | | | | | | 0 | 50 | | |
| DEC18 | CHU OPT | (FUTURES SETT. | 1.01860 - | 62.0 ) | | | | | | | |
| 1030 | ---- | ---- | ---- | .01640N | .01390 - 0.00250 | .414 | ---- | ---- | 2 UNCH | .05320B | .01410A |
| 1050 | ---- | ---- | ---- | .00990N | .00850 - 0.00140 | .278 | ---- | ---- | 1 UNCH | .06110B | .00870A |
| 1055 | ---- | ---- | ---- | .00880N | .00750 - 0.00130 | .250 | ---- | ---- | 193 UNCH | .05750B | .00820A |
| 1085 | ---- | ---- | ---- | .00440N | .00370 - 0.00070 | .132 | ---- | ---- | 68 UNCH | .04930B | .00460A |
| TOTAL | | | | | | | | 0 | 264 | | |
| MAR19 | CHU OPT | (FUTURES SETT. | 1.02780 - | 63.0 ) | | | | | | | |
| 1060 | ---- | ---- | ---- | .01510N | .01330 - 0.00180 | .323 | ---- | ---- | 2 UNCH | .05120B | .01390A |
| TOTAL | | | | | | | | 0 | 2 | | |

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**FINAL**



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

ADDITIONAL SWISS FRANC PUT Options **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SF OPT | | | | | | | | | | | |
| JUL18 | 2SF OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | .00170 + 0.00090 | .214 | ---- | ---- | 50 UNCH | .00330B | .00080A |
| 1005 | ---- | ---- | ---- | ---- | .00320 + 0.00150 | .345 | ---- | ---- | 120 UNCH | .00510B | .00120A |
| 1010 | ---- | ---- | ---- | ---- | .00550 + 0.00250 | .494 | ---- | ---- | 20 UNCH | .00720B | .00200A |
| 1020 | ---- | ---- | ---- | ---- | .01200 + 0.00430 | .758 | ---- | ---- | 50 UNCH | .01250B | .00470A |
| 1025 | ---- | ---- | ---- | ---- | .01610 + 0.00490 | .849 | ---- | ---- | 50 UNCH | .01180B | .00660A |
| TOTAL | | | | | | | | 0 | 290 | | |
| 4SF OPT | | | | | | | | | | | |
| JUL18 | 4SF OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1015 | ---- | ---- | ---- | ---- | .01010 + 0.00320 | .602 | ---- | ---- | 50 UNCH | .01010B | .00480A |
| 1020 | ---- | ---- | ---- | ---- | .01360 + 0.00400 | .696 | ---- | ---- | 50 UNCH | .01360B | .00690A |
| TOTAL | | | | | | | | 0 | 100 | | |
| 5SF OPT | | | | | | | | | | | |
| JUN18 | 5SF OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | .00005 UNCH | .008 | ---- | ---- | 100 UNCH | .00260B | .00050A |
| 1005 | ---- | ---- | ---- | ---- | .00050 + 0.00030 | .123 | ---- | ---- | 100 UNCH | .00390B | .00090A |
| 1010 | ---- | ---- | ---- | ---- | .00230 + 0.00160 | .490 | ---- | ---- | 51 UNCH | .00560B | .00090A |
| TOTAL | | | | | | | | 0 | 251 | | |
| CHU OPT | | | | | | | | | | | |
| JUL18 | CHU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 990 | ---- | ---- | ---- | .00005N | .00005 UNCH | .011 | ---- | ---- | 2 UNCH | .00520B | .00060A |
| 995 | ---- | ---- | ---- | .00015N | .00020 + 0.00005 | .042 | ---- | ---- | 3 UNCH | .00680B | .00060A |
| 1000 | ---- | ---- | ---- | .00035N | .00080 + 0.00045 | .140 | ---- | ---- | 171 UNCH | .00870B | .00020A |
| 1005 | ---- | ---- | ---- | .00090N | .00200 + 0.00110 | .296 | ---- | ---- | 183 UNCH | .01100B | .00070A |
| 1010 | ---- | ---- | ---- | .00200N | .00410 + 0.00210 | .494 | ---- | 1 | 192 - 1 | .01340B | .00120A |
| 1015 | ---- | ---- | ---- | .00390N | .00720 + 0.00330 | .681 | ---- | ---- | 7 UNCH | .01640B | .00200A |
| 1020 | ---- | ---- | ---- | .00670N | .01110 + 0.00440 | .819 | ---- | ---- | 233 UNCH | .01950B | .00210A |
| 1025 | ---- | ---- | ---- | .01030N | .01550 + 0.00520 | .905 | ---- | ---- | 31 UNCH | .02060B | .00230A |
| 1040 | ---- | ---- | ---- | .02390N | .02990 + 0.00600 | .991 | ---- | ---- | 3 UNCH | .02360B | .00370A |
| TOTAL | | | | | | | | 1 | 825 - 1 | | |
| AUG18 | CHU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 975 | ---- | ---- | ---- | .00030N | .00035 + 0.00005 | .039 | ---- | ---- | 5 UNCH | .00370B | .00120 |
| 985 | ---- | ---- | ---- | .00080N | .00110 + 0.00030 | .105 | ---- | ---- | 1 UNCH | .00590B | .00040 |
| 990 | ---- | ---- | ---- | .00120N | .00170 + 0.00050 | .154 | ---- | ---- | 40 UNCH | .00730B | .00140A |
| 995 | ---- | ---- | ---- | .00190N | .00270 + 0.00080 | .222 | ---- | ---- | 50 UNCH | .00910B | .00150 |
| 1000 | ---- | ---- | ---- | .00280N | .00400 + 0.00120 | .302 | ---- | 2 | 53 UNCH | .01110B | .00200A |
| 1010 | ---- | ---- | ---- | .00570N | .00800 + 0.00230 | .494 | ---- | 4 | 6 + 3 | .01590B | .00240A |
| 1020 | ---- | ---- | ---- | .01070N | .01440 + 0.00370 | .676 | ---- | ---- | 23 UNCH | .02180B | .00360A |
| 1035 | ---- | ---- | ---- | .02160N | .02660 + 0.00500 | .858 | ---- | ---- | 110 UNCH | .02650B | .00570A |
| 1055 | ---- | ---- | ---- | .03950N | .04520 + 0.00570 | .958 | ---- | ---- | 25 UNCH | .03210B | .01230A |
| TOTAL | | | | | | | | 6 | 313 + 3 | | |
| SEP18 | CHU OPT | (FUTURES SETT. | 1.01010 - | 61.0 ) | | | | | | | |
| 980 | ---- | ---- | ---- | .00160N | .00200 + 0.00040 | .135 | ---- | ---- | 1 UNCH | .01220B | .00180A |
| 990 | ---- | ---- | ---- | .00300N | .00390 + 0.00090 | .231 | ---- | ---- | 551 UNCH | .01530B | .00260A |
| 995 | ---- | ---- | ---- | .00400N | .00530 NEW | .290 | ---- | 1 | 1 + 1 | .01710B | .00340A |
| 1000 | ---- | ---- | ---- | .00530N | .00690 + 0.00160 | .353 | ---- | 151 | 1103 + 1 | .01900B | .00220 |
| 1005 | ---- | ---- | ---- | .00680N | .00890 + 0.00210 | .422 | ---- | 50 | 151 + 50 | .02120B | .00320A |
| 1010 | ---- | ---- | ---- | .00870N | .01130 + 0.00260 | .493 | ---- | ---- | 66 UNCH | .02350B | .00330A |
| 1015 | ---- | ---- | ---- | .01110N | .01410 + 0.00300 | .561 | ---- | ---- | 25 UNCH | .02600B | .00310A |
| 1030 | ---- | ---- | ---- | .02050N | .02470 + 0.00420 | .735 | ---- | ---- | 101 UNCH | .03440B | .00480A |
| 1035 | ---- | ---- | ---- | .02420N | .02880 + 0.00460 | .778 | ---- | ---- | 13 UNCH | .03750B | .00560A |
| 1040 | ---- | ---- | ---- | .02810N | .03300 + 0.00490 | .817 | ---- | ---- | 1 UNCH | .04080B | .00610A |
| 1050 | ---- | ---- | ---- | .03640N | .04180 + 0.00540 | .874 | ---- | ---- | 10 UNCH | .04770B | .00730A |
| 1070 | ---- | ---- | ---- | .05460N | .06060 + 0.00600 | .943 | ---- | ---- | 26 UNCH | .05950 | .01210A |
| TOTAL | | | | | | | | 202 | 2049 + 52 | | |
| OCT18 | CHU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1025 | ---- | ---- | ---- | .01460N | .01780 + 0.00320 | .563 | ---- | ---- | 100 UNCH | .02270B | .01030A |
| TOTAL | | | | | | | | 0 | 100 | | |
| DEC18 | CHU OPT | (FUTURES SETT. | 1.01860 - | 62.0 ) | | | | | | | |
| 990 | ---- | ---- | ---- | .00630N | .00740 + 0.00110 | .257 | ---- | ---- | 100 UNCH | .01170B | .00520A |
| 995 | ---- | ---- | ---- | .00750N | .00880 + 0.00130 | .294 | ---- | ---- | 50 UNCH | .01340B | .00610A |
| 1000 | ---- | ---- | ---- | .00880N | .01040 + 0.00160 | .333 | ---- | ---- | 102 UNCH | .01540B | .00470A |
| 1020 | ---- | ---- | ---- | .01650N | .01920 + 0.00270 | .503 | ---- | ---- | 2 UNCH | .02490B | .00560A |
| 1030 | ---- | ---- | ---- | .02160N | .02520 + 0.00360 | .585 | ---- | ---- | 7 UNCH | .03110B | .00690A |
| 1055 | ---- | ---- | ---- | .03870N | .04360 + 0.00490 | .749 | ---- | ---- | 360 UNCH | .04020B | .01060A |
| 1100 | ---- | ---- | ---- | .07770N | .08330 + 0.00560 | .904 | ---- | ---- | 46 UNCH | .05080B | .02560A |
| TOTAL | | | | | | | | 0 | 667 | | |
| MAR19 | CHU OPT | (FUTURES SETT. | 1.02780 - | 63.0 ) | | | | | | | |
| 1025 | ---- | ---- | ---- | .01980N | .02240 + 0.00260 | .469 | ---- | ---- | 1 UNCH | .02720B | .00900A |
| 1040 | ---- | ---- | ---- | .02760N | .03110 + 0.00350 | .566 | ---- | ---- | 1 UNCH | .03610B | .01140A |
| 1045 | ---- | ---- | ---- | .03060N | .03440 + 0.00380 | .596 | ---- | ---- | 1 UNCH | .03900B | .01270A |
| TOTAL | | | | | | | | 0 | 3 | | |
| JUN19 | CHU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 1030 | ---- | ---- | ---- | .02240N | .02500 + 0.00260 | .446 | ---- | ---- | 100 UNCH | .02590B | .01890A |
| 1035 | ---- | ---- | ---- | .02480N | .02760 + 0.00280 | .474 | ---- | ---- | 100 UNCH | .02850B | .02090A |
| TOTAL | | | | | | | | 0 | 200 | | |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE = BRA REAL $5.00, RUBLE = $6.25, RAND = $6.25, MEXICAN PESO = $6.50, ISRAELI SHEKEL = $6.00. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### BRAZILIAN REAL, RUSSIAN RUBLE, S. AFRICAN RAND, MEXICAN PESO and ISRAELI SHEKEL CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAZIL RL FUT | 05/30 | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 |
| BRAZIL RL OPT | 05/30 | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 |
| WKBR-1R-C | 06/01 | 07/06 | | | | | | | | | | | |
| WKBR-2R-C | 06/08 | 07/13 | | | | | | | | | | | |
| WKBR-3R-C | 06/15 | 07/20 | | | | | | | | | | | |
| WKBR-4R-C | 06/22 | 07/27 | | | | | | | | | | | |
| RUS RUBLE FUT | 06/15 | 07/16 | 08/15 | 09/17 | 10/15 | 11/15 | 12/17 | 01/15 | 02/15 | 03/15 | 04/15 | 05/15 | 06/17 |
| RUS RUBLE OPT | 06/15 | 07/16 | 08/15 | 09/17 | 10/15 | 11/15 | 12/17 | 01/15 | 02/15 | 03/15 | 04/15 | 05/15 | 06/17 |
| S AFR RAND FUT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 02/15 | 03/18 | 04/15 | 05/13 | 06/17 |
| S AFR RAND OPT | 06/08 | 07/06 | 08/03 | 09/07 | 10/05 | 11/09 | 12/07 | 01/04 | 02/08 | 03/08 | 04/05 | 05/03 | 06/07 |
| WKRA-1N-C | 06/01 | | | | | | | | | | | | |
| WKRA-2N-C | | 07/13 | | | | | | | | | | | |
| WKRA-3N-C | 06/15 | 07/20 | | | | | | | | | | | |
| WKRA-4N-C | 06/22 | 07/27 | | | | | | | | | | | |
| WKRA-5N-C | 06/29 | | | | | | | | | | | | |
| MEX PESO FUT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 02/15 | 03/18 | 04/15 | 05/13 | 06/17 |
| MEX PESO OPT | 06/08 | 07/06 | 08/03 | 09/07 | 10/05 | 11/09 | 12/07 | 01/04 | 02/08 | 03/08 | 04/05 | 05/03 | 06/07 |
| WKMP-1P-C | 06/01 | | | | | | | | | | | | |
| WKMP-2P-C | | 07/13 | | | | | | | | | | | |
| WKMP-3P-C | 06/15 | 07/20 | | | | | | | | | | | |
| WKMP-4P-C | 06/22 | 07/27 | | | | | | | | | | | |
| WKMP-5P-C | 06/29 | | | | | | | | | | | | |
| ISRAELI SHEKEL FUT | 06/18 | | | 09/17 | | | 12/17 | | | 03/18 | | | 06/17 |

EXPIRATION:

### BRAZILIAN REAL, RUSSIAN RUBLE, S. AFRICAN RAND, MEXICAN PESO & ISRAELI SHEKEL OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 |
|---|---|---|---|---|---|---|
| 1R | JUN18 | 16.5-41.5 | 15.0-41.5 | 15.0-41.5 | 15.0-41.5 | |
| | JUL18 | 15.5-41.0 | 15.5-41.0 | 15.5-41.0 | 15.5-41.0 | |
| 1N | JUN18 | 47.5-105.0 | | 47.5-105.0 | 47.5-105.0 | 47.5-105.0 |
| | JUL18 | | 45.0-105.0 | 45.0-105.0 | 45.0-105.0 | |
| 1M | JUN18 | 37.5-65.5 | | 35.0-63.0 | 35.0-62.5 | 35.0-62.5 |
| | JUL18 | | 35.0-62.0 | 35.0-62.0 | 36.5-62.0 | |
| IS1 | JUN18 | | 258.0-319.0 | 255.0-319.0 | 255.0-319.0 | |
| | JUL18 | | 255.0-319.0 | 255.0-319.0 | 255.0-319.0 | |

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OR | 16.5-41.5 | 15.0-41.5 | 15.5-41.0 | 15.0-41.0 | 15.5-41.0 | 15.5-41.0 | 15.0-41.0 | 15.0-40.5 | 15.0-40.5 | 15.0-40.0 | 15.0-39.5 | 15.0-38.0 | 14.5-36.0 |
| UO | 9.0-24.0 | 9.2-24.0 | 9.2-23.7 | 9.0-23.7 | 9.0-23.7 | 9.0-23.7 | 9.0-23.7 | 9.0-23.7 | 9.0-23.5 | 8.7-23.2 | 8.7-22.0 | 9.0-22.0 | 8.7-21.5 |
| RO | 47.5-105.0 | 47.5-105.0 | 45.0-105.0 | 45.0-105.0 | 45.0-105.0 | 45.0-102.5 | 50.0-102.5 | 50.0-102.5 | 50.0-102.5 | 50.0-102.5 | 50.0-100.0 | 50.0-97.5 | 50.0-92.5 |
| MO | 36.5-67.0 | 35.0-66.5 | 35.0-66.5 | 35.0-66.5 | 34.5-65.5 | 34.5-65.5 | 34.5-65.5 | 34.0-65.0 | 34.0-65.0 | 34.0-65.0 | 33.0-64.5 | 33.0-61.0 | 33.0-59.5 |
| IL0 | 256.0-318. | 255.0-319. | 255.0-319. | 255.0-319. | 256.0-321. | | 256.0-321. | | | 258.0-319. | | | 260.0-309. |

### BRAZILIAN REAL, RUSSIAN RUBLE, S. AFRICAN RAND, MEXICAN PESO & ISRAELI SHEKEL FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| BRAZIL RL FUT | | | | | | | | | | |
| JUL18 | 0.2625 | .26380 | .25790A | .25835 | ( 3.8707) - 555 | 2106 | 11788 | 6919 - 5575 | .30400 | .25145 |
| AUG18 | 0.2618 | .26300 | .25715A | .25755 | ( 3.8827) - 565 | 2106 | 9959 | 39783 + 7383 | .27075B | .25100A |
| SEP18 | 0.2607 | .26195B | .25635A | .25675 | ( 3.8948) - 555 | ---- | 213 | 4822 + 86 | .27590B | .25000 |
| OCT18 | ---- | ---- | ---- | .25625 | ( 3.9024) - 555 | ---- | ---- | 3 UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | .25490 | ( 3.9231) - 565 | ---- | ---- | 3 UNCH | .48340B | .25410 |
| JAN19 | ---- | ---- | ---- | .25425 | ( 3.9331) - 565 | ---- | ---- | 50 UNCH | ---- | .29575A |
| TOTAL BRAZIL RL FUT | | | | | | 4212 | 21960 | 51580 + 1894 | | |
| RUS RUBLE FUT | | | | | | | | | | |
| SEP18 | 0.01570 | .01576 | .01564 | 0.015690 | ( 63.7349) - 3 | ---- | 2972 | 19822 + 55 | .01752B | .01514A |
| DEC18 | ---- | .01562B | .01551A | 0.015550 | ( 64.3087) - 3 | ---- | ---- | 5 UNCH | .01706B | .01503A |
| | | | | | | 0 | 2972 | 19827 + 55 | | |
| S AFR RAND FUT | | | | | | | | | | |
| SEP18 | 0.07305 | .07312B | *.07095 | .07122 | ( 14.0410) - 1925 | ---- | 1873 | 6943 + 10 | .08413B | .07095 |
| TOTAL S AFR RAND FUT | | | | | | 0 | 1873 | 6943 + 10 | | |
| SEP18 | 0.04944 | .04962 | .04878 | .04889 | ( 20.45) - 68 | 2661 | 66688 | 143394 - 7018 | .05444B | .04697 |
| DEC18 | 0.04873 | .04888 | .04810A | .04819 | ( 20.75) - 67 | ---- | 101 | 95 + 6 | .05312B | .04678A |
| | | | | | | 2661 | 66789 | 143489 - 7012 | | |

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## FINAL



### BRAZILIAN REAL, RUSSIAN RUBLE, S. AFRICAN RAND, MEXICAN PESO & ISRAELI SHEKEL CALLS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEX PESO CALL | | | | | | | | | | | | | |
| JUL18 | MEX PESO CALL | (FUTURES SETT. | .049380 - | 69.0 ) | | | | | | | | | |
| 480 | ---- | ---- | ---- | ---- | 12.40- | 530 | .707 | ---- | ---- | 214 | UNCH | 26.30B | 5.70A |
| 490 | ---- | ---- | ---- | ---- | 6.50- | 400 | .480 | ---- | ---- | 10 | UNCH | 27.80B | 3.00A |
| 495 | ---- | ---- | ---- | ---- | 4.40- | 310 | .364 | ---- | ---- | 21 | UNCH | 24.80B | 2.20A |
| 500 | ---- | ---- | ---- | ---- | 2.90- | 210 | .261 | ---- | ---- | 9 | UNCH | 22.20B | 1.60A |
| 505 | ---- | ---- | ---- | ---- | 1.80- | 150 | .175 | ---- | ---- | 1 | UNCH | 24.80B | 1.40A |
| 510 | ---- | ---- | ---- | ---- | 1.00- | 120 | .106 | ---- | ---- | 16 | UNCH | 29.20B | 1.20 |
| 515 | ---- | ---- | ---- | ---- | .60- | 90 | .066 | ---- | ---- | 15 | UNCH | 27.00B | 1.20A |
| 520 | ---- | ---- | ---- | ---- | .40- | 70 | .043 | ---- | ---- | 10 | UNCH | 29.50B | 1.80A |
| 525 | ---- | ---- | ---- | ---- | .30- | 50 | .031 | ---- | ---- | 1 | UNCH | 26.40B | .50 |
| 560 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 42 | UNCH | 11.40B | 2.00A |
| TOTAL | | | | | | | | | 0 | 339 | | | |
| AUG18 | MEX PESO CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| 475 | ---- | ---- | ---- | ---- | 19.10- | 510 | .708 | ---- | ---- | 200 | UNCH | 31.00B | 10.50A |
| 480 | ---- | ---- | ---- | ---- | 15.70- | 470 | .642 | ---- | ---- | 200 | UNCH | 27.90B | 8.40A |
| 490 | ---- | ---- | ---- | ---- | 10.00- | 380 | .493 | ---- | ---- | 1 | UNCH | 20.90B | 5.30A |
| 525 | ---- | ---- | ---- | ---- | 1.10- | 90 | .090 | ---- | ---- | 403 | UNCH | 22.70B | 1.90A |
| TOTAL | | | | | | | | | 0 | 804 | | | |
| SEP18 | MEX PESO CALL | (FUTURES SETT. | .048890 - | 68.0 ) | | | | | | | | | |
| 480 | ---- | ---- | ---- | ---- | 18.60- | 450 | .616 | ---- | ---- | 2 | UNCH | 29.70B | 11.10A |
| 505 | ---- | ---- | ---- | ---- | 6.90- | 260 | .327 | ---- | ---- | 10 | UNCH | 14.30B | 4.00A |
| 510 | ---- | ---- | ---- | ---- | 5.40- | 220 | .274 | ---- | ---- | 3 | UNCH | 33.70B | 3.10A |
| 520 | ---- | ---- | ---- | ---- | 3.20+ | NEW | .183 | ---- | 5 | 5 + | 5 | 27.70B | 3.00A |
| 530 | ---- | ---- | ---- | ---- | 1.70- | 100 | .111 | ---- | ---- | 10 | UNCH | 26.60B | 2.50A |
| TOTAL | | | | | | | | | 5 | 30 + | 5 | | |

** Option prices quoted per Daily Information Bulletin convention. For example, a Mexican Peso option price of 10.50 on this page is equivalent to 10.50 x 0.0001 = 0.001050 when the price is quoted in full. The cash price of the option is 0.001050 x 500,000 (contract size) = $525.00.**

### BRAZILIAN REAL, RUSSIAN RUBLE, S. AFRICAN RAND, MEXICAN PESO & ISRAELI SHEKEL PUTS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WKMP-2P-P | | | | | | | | | | | | | |
| JUL18 | WKMP-2P-P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 480 | ---- | ---- | ---- | ---- | 4.40+ | 190 | .318 | ---- | ---- | 50 | UNCH | 12.50B | 2.70A |
| TOTAL | | | | | | | | | 0 | 50 | | | |
| MEX PESO PUT | | | | | | | | | | | | | |
| JUL18 | MEX PESO PUT | (FUTURES SETT. | .049380 - | 69.0 ) | | | | | | | | | |
| 450 | ---- | ---- | ---- | ---- | .10 | UNCH | .011 | ---- | ---- | 30 | UNCH | 10.00B | 1.50 |
| 455 | ---- | ---- | ---- | ---- | .20 | UNCH | .021 | ---- | ---- | 10 | UNCH | 11.20B | 1.70A |
| 460 | ---- | ---- | ---- | ---- | .40+ | 10 | .042 | ---- | ---- | 32 | UNCH | 12.50B | .50 |
| 465 | ---- | ---- | ---- | ---- | .80+ | 30 | .080 | ---- | ---- | 51 | UNCH | 14.00B | 1.50A |
| 470 | ---- | ---- | ---- | ---- | 1.30+ | 50 | .126 | ---- | ---- | 135 | UNCH | 15.60B | 1.50A |
| 475 | ---- | ---- | ---- | ---- | 2.20+ | 100 | .199 | ---- | ---- | 35 | UNCH | 17.30B | 1.40A |
| 480 | ---- | ---- | ---- | ---- | 3.50+ | 150 | .292 | ---- | ---- | 299 | UNCH | 19.30B | 2.00A |
| 485 | ---- | ---- | ---- | ---- | 5.30+ | 210 | .401 | ---- | ---- | 7 | UNCH | 21.40B | 2.70A |
| 490 | ---- | ---- | ---- | ---- | 7.60+ | 280 | .519 | ---- | ---- | 75 | UNCH | 22.80B | 2.80A |
| 495 | ---- | ---- | ---- | ---- | 10.50+ | 370 | .635 | ---- | ---- | 180 | UNCH | 25.00B | 3.40A |
| 500 | ---- | ---- | ---- | ---- | 14.00+ | 470 | .738 | ---- | ---- | 11 | UNCH | 27.10B | 4.00A |
| 510 | ---- | ---- | ---- | ---- | 22.10+ | 560 | .893 | ---- | ---- | 10 | UNCH | 19.00B | 5.60A |
| 515 | ---- | ---- | ---- | ---- | 26.70+ | 590 | .933 | ---- | ---- | 20 | UNCH | 29.80B | 6.70A |
| 520 | ---- | ---- | ---- | ---- | 31.50+ | 610 | .956 | ---- | ---- | 2 | UNCH | 42.40 | 7.40 |
| TOTAL | | | | | | | | | 0 | 897 | | | |
| AUG18 | MEX PESO PUT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 440 | ---- | ---- | ---- | ---- | .50+ | 20 | .038 | ---- | ---- | 20 | UNCH | 4.80B | 2.10A |
| 465 | ---- | ---- | ---- | ---- | 2.90+ | 100 | .181 | ---- | ---- | 4 | UNCH | 8.80B | 1.70A |
| 475 | ---- | ---- | ---- | ---- | 5.20+ | 160 | .291 | ---- | ---- | 208 | UNCH | 13.10B | 3.00A |
| 480 | ---- | ---- | ---- | ---- | 6.80+ | 200 | .357 | ---- | ---- | 268 | UNCH | 15.90B | 3.10A |
| 485 | ---- | ---- | ---- | ---- | 8.80+ | 250 | .430 | ---- | ---- | 3 | UNCH | 19.20B | 3.50A |
| 495 | ---- | ---- | ---- | ---- | 13.80+ | 350 | .582 | ---- | ---- | 46 | UNCH | 21.00B | 4.40A |
| TOTAL | | | | | | | | | 0 | 549 | | | |
| SEP18 | MEX PESO PUT | (FUTURES SETT. | .048890 - | 68.0 ) | | | | | | | | | |
| 475 | ---- | ---- | ---- | ---- | 7.90+ | 190 | .329 | ---- | ---- | 2 | UNCH | 15.40B | 3.50A |
| 480 | ---- | ---- | ---- | ---- | 9.70+ | 230 | .383 | ---- | ---- | 35 | UNCH | 18.20B | 4.00A |
| TOTAL | | | | | | | | | 0 | 37 | | | |

** Option prices quoted per Daily Information Bulletin convention. For example, a Mexican Peso option price of 10.50 on this page is equivalent to 10.50 x 0.0001 = 0.001050 when the price is quoted in full. The cash price of the option is 0.001050 x 500,000 (contract size) = $525.00.**

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE = . PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### AUSTRALIAN DOLLAR and NEW ZEALAND DOLLAR CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|
| AUST DLR FUT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 03/18 | 06/17 |
| NEW ZEALND FUT | 06/18 | | | 09/17 | | | 12/17 | | 03/18 | 06/17 |
| NEW ZEALND OPT | 06/08 | 07/06 | 08/03 | 09/07 | 10/05 | | 12/07 | | 03/08 | 06/07 |
| WKNE-1Z-C | 06/01 | | | | | | | | | |
| WKNE-2Z-C | | 07/13 | | | | | | | | |
| WKNE-3Z-C | 06/15 | 07/20 | | | | | | | | |
| WKNE-4Z-C | 06/22 | 07/27 | | | | | | | | |
| WKNE-5Z-C | 06/29 | | | | | | | | | |

EXPIRATION:

### AUSTRALIAN DOLLAR and NEW ZEALAND DOLLAR OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | | WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 | WEEK 5 |
|---|---|---|---|---|---|---|
| 1Z | JUN18 | 64.0-79.0 | | 64.0-78.0 | 64.0-78.0 | 64.0-78.0 |
| | JUL18 | | 64.0-78.0 | 64.0-78.0 | 64.0-78.0 | |

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|
| ZN | 64.0-79.0 | 64.0-78.0 | 64.0-78.0 | 64.0-78.0 | 64.0-78.0 | 64.0-78.0 | 64.0-78.0 | 64.0-74.5 |

### AUSTRALIAN DOLLAR and NEW ZEALAND DOLLAR FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE | & PT. CHGE | RECIPROCAL | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUST DLR FUT | | | | | | | | | | | |
| JUL18 | 0.7395 | .7398B | *.7332A | .7353 | ( 1.3600) - 42 | | ---- | 214 | 1076 - 25 | .7916B | .7332A |
| AUG18 | 0.7392 | .7401B | *.7332A | .7354 | ( 1.3598) - 42 | | ---- | 389 | 562 - 20 | .7808B | .7332A |
| SEP18 | 0.7392 | .7409 | *.7323 | .7354 | ( 1.3598) - 42 | | 374 | 140322 | 136359 + 1072 | .8420B | .7323 |
| OCT18 | 0.7376 | .7378 | *.7376 | .7356 | ( 1.3594) - 42 | | ---- | 311 | 166 - 37 | .7616B | .7376 |
| DEC18 | 0.7380 | .7408B | *.7330 | .7359 | ( 1.3589) - 42 | | ---- | 10 | 492 UNCH | .8097B | .7330 |
| MAR19 | ---- | ---- | ---- | .7367 | ( 1.3574) - 41 | | ---- | ---- | 127 UNCH | .8093B | .7385 |
| JUN19 | ---- | ---- | *.7404A | .7376 | ( 1.3557) - 42 | | ---- | ---- | 3 UNCH | .8092 | .7404A |
| SEP19 | ---- | ---- | ---- | .7386 | ( 1.3539) - 43 | | ---- | ---- | UNCH | .8055B | .7433A |
| TOTAL AUST DLR FUT | | | | | | | 374 | 141246 | 138785 + 990 | | |
| NEW ZEALND FUT | | | | | | | | | | | |
| SEP18 | 0.6855 | .6860 | *.6776 | .6797 | ( 1.4712) - 580 | | 551 | 39688 | 48239 + 3232 | .7392B | .6776 |
| DEC18 | 0.6862 | .6862 | *.6782A | .6800 | ( 1.4706) - 580 | | ---- | 99 | 93 + 74 | .7400 | .6782A |
| | | | | | | | 551 | 39787 | 48332 + 3306 | | |

### ADDITIONAL AUSSIE & NEW ZEALAND CALL Options **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ADU OPT | | | | | | | | | | | |
| JUN18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 670 | ---- | ---- | ---- | ---- | .065400 - .004200 | 1.000 | ---- | ---- | 1 UNCH | .097900B | .062700 |
| 705 | ---- | ---- | ---- | ---- | .030400 - .004200 | 1.000 | ---- | ---- | 1 UNCH | .063000B | .027800 |
| 710 | ---- | ---- | ---- | ---- | .025400 NEW | .999 | ---- | 1 | 1 + 1 | .058000B | .022800 |
| 720 | ---- | ---- | ---- | ---- | .015500 - .004100 | .994 | ---- | ---- | 3 UNCH | .048100B | .012900 |
| 725 | ---- | ---- | ---- | ---- | .010600 - .004100 | .967 | ---- | ---- | 1 UNCH | .043200B | .008100 |
| 730 | ---- | ---- | ---- | ---- | .006100 - .003800 | .851 | ---- | ---- | 8 UNCH | .038200B | .004100 |
| 735 | ---- | ---- | ---- | ---- | .002600 - .003100 | .533 | ---- | 79 | 152 + 36 | .033300B | .001300 |
| 740 | ---- | ---- | ---- | ---- | .000700 - .001800 | .165 | ---- | 271 | 896 + 124 | .028500B | .000350 |
| 745 | ---- | ---- | ---- | ---- | .000150 - .000650 | .027 | ---- | 11 | 2613 - 6 | .023700B | .000100 |
| 750 | ---- | ---- | ---- | ---- | .000050 - .000150 | .005 | ---- | 1 | 496 UNCH | .019200B | .000050 |
| 755 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | 1 | 478 - 1 | .014800B | .000050 |
| 760 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 331 UNCH | .011000B | .000100 |
| 765 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | 2 | 317 UNCH | .007600B | .000050 |
| 770 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 82 UNCH | .005000B | .000200 |
| 775 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 36 UNCH | .003100B | .000100 |
| 780 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 18 UNCH | .001800B | .000050 |
| 790 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 55 UNCH | .000500B | .000100 |
| 800 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 17 UNCH | .000200B | .000050 |
| 825 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 14 UNCH | .000050 | .000050 |
| 835 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 53 UNCH | .000050 | .000050 |
| TOTAL | | | | | | | | 366 | 5573 + 154 | | |
| JUL18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 645 | ---- | ---- | ---- | .09450N | .090400 - .004100 | 1.000 | ---- | ---- | 1 UNCH | .152400B | .087700 |
| 655 | ---- | ---- | ---- | ---- | .080300 - .004200 | .999 | ---- | ---- | 1 UNCH | .089100B | .077600 |
| 655 | ---- | ---- | ---- | .08460N | .080400 - .004200 | 1.000 | ---- | ---- | 5 UNCH | .142500B | .077700 |
| 660 | ---- | ---- | ---- | .07960N | .075400 - .004200 | 1.000 | ---- | ---- | 13 UNCH | .137600B | .072700 |
| 665 | ---- | ---- | ---- | ---- | .07030 - 0.00420 | .999 | ---- | ---- | 1 UNCH | .10020B | .06770A |
| 665 | ---- | ---- | ---- | .07460N | .070400 - .004200 | 1.000 | ---- | ---- | 3 UNCH | .132700B | .067700 |
| 670 | ---- | ---- | ---- | .06960N | .065400 - .004200 | 1.000 | ---- | ---- | 14 UNCH | .127800B | .062700 |
| 675 | ---- | ---- | ---- | ---- | .060400 - .004200 | .997 | ---- | ---- | 1 UNCH | .069100B | .057700 |
| 675 | ---- | ---- | ---- | .06460N | .060400 - .004200 | 1.000 | ---- | ---- | 4 UNCH | .122900B | .057700 |
| 680 | ---- | ---- | ---- | .05960N | .055400 - .004200 | 1.000 | ---- | ---- | 25 UNCH | .118000B | .052700 |
| 685 | ---- | ---- | ---- | ---- | .05040 - 0.00420 | .998 | ---- | ---- | 1 UNCH | .08290B | .04780A |
| 685 | ---- | ---- | ---- | .05460N | .050400 - .004200 | .999 | ---- | ---- | 1 UNCH | .113200B | .047700 |
| 690 | ---- | ---- | ---- | ---- | .045600 NEW | .979 | ---- | 1 | 1 + 1 | .051900B | .042900 |
| 690 | ---- | ---- | ---- | .04960N | .045400 - .004200 | .999 | ---- | ---- | 26 UNCH | .108300B | .042800 |
| 695 | ---- | ---- | ---- | .04460N | .040400 - .004200 | .999 | ---- | ---- | 10 UNCH | .103500B | .037800 |
| 700 | ---- | ---- | ---- | .03960N | .035400 - .004200 | .997 | ---- | ---- | 7 UNCH | .098700B | .032800 |
| 705 | ---- | ---- | ---- | .03460N | .030400 - .004200 | .992 | ---- | ---- | 7 UNCH | .093900B | .027900 |
| 710 | ---- | ---- | ---- | .02970N | .025500 - .004200 | .983 | ---- | ---- | 5 UNCH | .089000B | .023000 |
| 715 | ---- | ---- | ---- | .02470N | .020600 - .004100 | .960 | ---- | ---- | 6 UNCH | .084300B | .018200 |
| 720 | ---- | ---- | ---- | ---- | .01660 - 0.00370 | .856 | ---- | ---- | 1 UNCH | .04820B | .01440A |
| 720 | ---- | ---- | ---- | .01990N | .016000 - .003900 | .909 | ---- | ---- | 8 UNCH | .079600B | .013600 |
| 725 | ---- | ---- | ---- | ---- | .013200 NEW | .738 | ---- | 1 | 1 + 1 | .020500B | .011300 |
| 725 | ---- | ---- | ---- | ---- | .01250 - 0.00330 | .768 | ---- | ---- | 4 UNCH | .04330B | .01050A |
| 725 | ---- | ---- | ---- | .01520N | .011500 - .003700 | .827 | ---- | ---- | 7 UNCH | .074900B | .009400 |
| 730 | ---- | ---- | ---- | ---- | .009600 NEW | .635 | ---- | 9 | 9 + 9 | .016300B | .008100 |
| 730 | ---- | ---- | ---- | ---- | .010400 NEW | .621 | ---- | 6 | 6 + 6 | .014800B | .008900 |
| 730 | ---- | ---- | ---- | ---- | .00880 - 0.00290 | .655 | ---- | 3 | 16 + 3 | .03850B | .00710A |
| 730 | ---- | ---- | ---- | .01090N | .007600 - .003300 | .700 | ---- | ---- | 39 UNCH | .070200B | .005900 |
| 735 | ---- | ---- | ---- | ---- | .006600 - .002300 | .514 | ---- | ---- | 19 UNCH | .012400B | .005400 |
| 735 | ---- | ---- | ---- | ---- | .007400 NEW | .513 | ---- | 26 | 26 + 26 | .011200B | .006300 |

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADU OPT | | | | | | | | | | | | | | |
| | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 735 | ---- | ---- | ---- | ---- | .00570 | - 0.00240 | .515 | ---- | 3 | 34 | + | 3 | .03370B | .00450A |
| 735 | ---- | ---- | ---- | .00710N | .004500 | - .002600 | .518 | ---- | 4 | 164 | | UNCH | .065700B | .003300 |
| 740 | ---- | ---- | ---- | ---- | .004300 | - .001800 | .387 | ---- | ---- | 28 | | UNCH | .009000B | .003500 |
| 740 | ---- | ---- | ---- | ---- | .005100 | - .001800 | .401 | ---- | 223 | 226 | + | 200 | .008400B | .004200 |
| 740 | ---- | ---- | ---- | ---- | .00350 | - 0.00170 | .368 | ---- | 6 | 128 | + | 6 | .02900B | .00260A |
| 740 | ---- | ---- | ---- | .00410N | .002300 | - .001800 | .325 | ---- | 14 | 1084 | + | 10 | .061200B | .001600 |
| 745 | ---- | ---- | ---- | ---- | .002600 | - .001300 | .269 | ---- | ---- | 291 | | UNCH | .006200B | .002100 |
| 745 | ---- | ---- | ---- | ---- | .00190 | - 0.00110 | .234 | ---- | ---- | 34 | | UNCH | .02440B | .00150A |
| 745 | ---- | ---- | ---- | .00210N | .001100 | - .001000 | .175 | ---- | 75 | 535 | + | 27 | .056800B | .000800 |
| 750 | ---- | ---- | ---- | ---- | .001600 | - .000700 | .180 | ---- | ---- | 2 | | UNCH | .004000B | .001300 |
| 750 | ---- | ---- | ---- | ---- | .00100 | - 0.00070 | .137 | ---- | 1 | 213 | + | 1 | .02010B | .00080A |
| 750 | ---- | ---- | ---- | .00090N | .000450 | - .000450 | .079 | ---- | 69 | 479 | - | 40 | .052400B | .000350 |
| 755 | ---- | ---- | ---- | .00040N | .000200 | - .000200 | .035 | ---- | 54 | 699 | + | 47 | .048200B | .000150 |
| 755 | ---- | ---- | ---- | ---- | .000900 | - .000400 | .110 | ---- | ---- | 50 | | UNCH | .002600B | .000700 |
| 755 | ---- | ---- | ---- | ---- | .00050 | - 0.00040 | .074 | ---- | 1 | 31 | - | 1 | .01600B | .00040A |
| 760 | ---- | ---- | ---- | ---- | .000600 | - .000200 | .074 | ---- | ---- | 6 | | UNCH | .001400B | .000450 |
| 760 | ---- | ---- | ---- | ---- | .00030 | - 0.00015 | .044 | ---- | ---- | 126 | | UNCH | .01240B | .00025A |
| 760 | ---- | ---- | ---- | .00015N | .000100 | - .000050 | .017 | ---- | ---- | 896 | | UNCH | .043900B | .000100 |
| 765 | ---- | ---- | ---- | ---- | .000350 | - .000050 | .045 | ---- | ---- | 20 | | UNCH | .000800B | .000300 |
| 765 | ---- | ---- | ---- | ---- | .00015 | - 0.00010 | .023 | ---- | 1 | 249 | | UNCH | .00920B | .00015A |
| 765 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .008 | ---- | 3 | 1553 | | UNCH | .040000B | .000100 |
| 770 | ---- | ---- | ---- | ---- | .00010 | - 0.00005 | .014 | ---- | ---- | 311 | | UNCH | .00660B | .00010A |
| 770 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | 10 | 1241 | + | 10 | .036100B | .000050 |
| 775 | ---- | ---- | ---- | ---- | .00005 | - 0.00005 | .007 | ---- | ---- | 103 | | UNCH | .00450 | .00015A |
| 775 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1829 | | UNCH | .032400B | .000050 |
| 780 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 200 | | UNCH | .00300 | .00010A |
| 780 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 1 | 625 | - | 1 | .028900B | .000100 |
| 785 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 479 | | UNCH | .025500B | .000050 |
| 790 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 16 | | UNCH | .00120B | .00015A |
| 790 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 192 | | UNCH | .023100B | .000050 |
| 795 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1182 | | UNCH | .020200B | .000100 |
| 800 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 25 | | UNCH | .00045B | .00015A |
| 800 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 308 | | UNCH | .017500B | .000050 |
| 805 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 212 | | UNCH | .015100B | .000100 |
| 810 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 46 | | UNCH | .000050 | .000050 |
| 810 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 11 | 22 | + | 11 | .000050 | .000050 |
| 810 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 97 | | UNCH | .012900B | .000100 |
| 815 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 11 | | UNCH | .000050 | .000050 |
| 815 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 11 | | UNCH | .00015B | .00005 |
| 815 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 177 | | UNCH | .010900B | .000050 |
| 820 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 68 | | UNCH | .009200B | .000150 |
| 825 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 22 | | UNCH | .00005 | .00005 |
| 825 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 166 | | UNCH | .007700B | .000200 |
| 830 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 58 | | UNCH | .006500B | .000050 |
| 835 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | | UNCH | .005400B | .000250 |
| 840 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | | UNCH | .004500B | .000050 |
| 845 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | | UNCH | .003700B | .000250 |
| 850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 65 | | UNCH | .003100B | .000050 |
| 855 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 41 | | UNCH | .002500B | .000200 |
| 860 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | | UNCH | .002100B | .000050 |
| 865 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 60 | | UNCH | .001800 | .000300 |
| 870 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH | .001300B | .000250 |
| 885 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 26 | | UNCH | .000050 | .000050 |
| 895 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | | UNCH | .000500 | .000250 |
| TOTAL | | | | | | | | | 522 | 14744 | + | 319 | | |
| AUG18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 645 | ---- | ---- | ---- | .09440N | .090200 | - .004200 | .999 | ---- | ---- | 1 | | UNCH | .100100B | .087600 |
| 650 | ---- | ---- | ---- | .08940N | .085200 | - .004200 | .999 | ---- | ---- | 1 | | UNCH | .100300B | .082600 |
| 655 | ---- | ---- | ---- | .08440N | .080300 | - .004100 | .998 | ---- | ---- | 3 | | UNCH | .100700B | .077600 |
| 660 | ---- | ---- | ---- | .07950N | .075300 | - .004200 | .997 | ---- | ---- | 1 | | UNCH | .100400B | .072600 |
| 670 | ---- | ---- | ---- | .06950N | .065400 | - .004100 | .990 | ---- | ---- | 6 | | UNCH | .097700B | .062700 |
| 675 | ---- | ---- | ---- | .06460N | .060400 | - .004200 | .990 | ---- | 1 | 1 | - | 1 | .099800B | .057800 |
| 680 | ---- | ---- | ---- | .05960N | .055500 | - .004100 | .985 | ---- | ---- | 6 | | UNCH | .100100B | .052800 |
| 685 | ---- | ---- | ---- | .05470N | .050500 | NEW | .976 | ---- | 1 | 1 | + | 1 | .095900B | .047900 |
| 690 | ---- | ---- | ---- | .04980N | .045700 | - .004100 | .967 | ---- | ---- | 1 | | UNCH | .091000B | .043100 |
| 700 | ---- | ---- | ---- | .04000N | .036100 | - .003900 | .937 | ---- | 53 | 63 | + | 53 | .081200B | .033600 |
| 705 | ---- | ---- | ---- | .03530N | .031400 | - .003900 | .912 | ---- | ---- | 22 | | UNCH | .076300B | .029000 |
| 710 | ---- | ---- | ---- | .03060N | .026800 | - .003800 | .874 | ---- | 13 | 43 | + | 12 | .071500B | .024600 |
| 715 | ---- | ---- | ---- | .02610N | .022500 | - .003600 | .830 | ---- | 7 | 53 | + | 6 | .066700B | .020300 |
| 720 | ---- | ---- | ---- | .02170N | .018400 | - .003300 | .770 | ---- | 8 | 66 | + | 8 | .061900B | .016400 |
| 725 | ---- | ---- | ---- | .01760N | .014600 | - .003000 | .696 | ---- | 5 | 33 | + | 3 | .057200B | .012900 |
| 730 | ---- | ---- | ---- | .01390N | .011200 | - .002700 | .610 | ---- | 8 | 34 | + | 7 | .052500B | .009800 |
| 735 | ---- | ---- | ---- | .01060N | .008300 | - .002300 | .513 | ---- | 4 | 57 | + | 2 | .048000B | .007100 |
| 740 | ---- | ---- | ---- | .00780N | .006000 | - .001800 | .414 | ---- | 109 | 156 | + | 46 | .043500B | .005000 |
| 745 | ---- | ---- | ---- | .00550N | .004100 | - .001400 | .318 | ---- | 20 | 547 | + | 1 | .039100B | .003400 |
| 750 | ---- | ---- | ---- | .00370N | .002700 | - .001000 | .233 | ---- | 30 | 784 | + | 4 | .034800B | .002300 |
| 755 | ---- | ---- | ---- | .00240N | .001800 | - .000600 | .167 | ---- | 150 | 514 | + | 94 | .030800B | .001500 |
| 760 | ---- | ---- | ---- | .00160N | .001100 | - .000500 | .111 | ---- | 21 | 1080 | - | 8 | .026900B | .000900 |
| 765 | ---- | ---- | ---- | .00100N | .000700 | - .000300 | .074 | ---- | 45 | 407 | + | 16 | .023200B | .000600 |
| 770 | ---- | ---- | ---- | .00060N | .000450 | - .000150 | .049 | ---- | 4 | 541 | - | 1 | .019800B | .000400 |
| 775 | ---- | ---- | ---- | .00040N | .000300 | - .000100 | .034 | ---- | 2 | 330 | + | 1 | .016700B | .000300 |
| 780 | ---- | ---- | ---- | .00030N | .000200 | - .000100 | .023 | ---- | ---- | 184 | | UNCH | .013900B | .000200 |
| 785 | ---- | ---- | ---- | .00020N | .000150 | - .000050 | .017 | ---- | ---- | 30 | | UNCH | .011400B | .000150 |
| 790 | ---- | ---- | ---- | .00015N | .000100 | - .000050 | .011 | ---- | ---- | 158 | | UNCH | .009200B | .000200 |
| 795 | ---- | ---- | ---- | .00010N | .000050 | - .000050 | .006 | ---- | 3 | 43 | + | 2 | .007400B | .000100 |
| 800 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .003 | ---- | ---- | 11 | | UNCH | .005900B | .000100 |
| 805 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .001 | ---- | ---- | 40 | | UNCH | .004600B | .000200 |
| 810 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .000 | ---- | ---- | 214 | | UNCH | .003600B | .000100 |
| 815 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .000 | ---- | ---- | 31 | | UNCH | .002800B | .000100 |
| 820 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 11 | | UNCH | .002200B | .000050 |
| 830 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | .001300B | .000250 |
| 835 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | .001000B | .000300 |
| 840 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 50 | | UNCH | .000800B | .000100 |
| 845 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH | .000600 | .000300 |
| 850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH | .000400 | .000400 |
| TOTAL | | | | | | | | | 484 | 5527 | + | 246 | | |
| SEP18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 640 | ---- | ---- | ---- | .09930N | .095100 | - .004200 | .993 | ---- | ---- | 2 | | UNCH | .100100B | .092400 |
| 645 | ---- | ---- | ---- | .09430N | .090200 | - .004100 | .990 | ---- | ---- | 4 | | UNCH | .143700B | .087500 |
| 650 | ---- | ---- | ---- | .08940N | .085200 | - .004200 | .989 | ---- | ---- | 1 | | UNCH | .138800B | .082500 |
| 655 | ---- | ---- | ---- | .08440N | .080300 | - .004100 | .986 | ---- | ---- | 2 | | UNCH | .133900B | .077600 |
| 660 | ---- | ---- | ---- | .07950N | .075400 | - .004100 | .980 | ---- | ---- | 10 | | UNCH | .129000B | .072700 |
| 665 | ---- | ---- | ---- | .07460N | .070500 | - .004100 | .976 | ---- | ---- | 2 | | UNCH | .126000B | .067800 |
| 670 | ---- | ---- | ---- | .06970N | .065600 | - .004100 | .970 | ---- | ---- | 7 | | UNCH | .121100B | .062900 |
| 675 | ---- | ---- | ---- | .06480N | .060700 | - .004100 | .961 | ---- | ---- | 5 | | UNCH | .116300B | .058100 |
| 680 | ---- | ---- | ---- | .06000N | .055900 | - .004100 | .953 | ---- | ---- | 5 | | UNCH | .111400B | .053400 |
| 685 | ---- | ---- | ---- | .05510N | .051200 | - .003900 | .936 | ---- | ---- | 5 | | UNCH | .106600B | .048700 |
| 690 | ---- | ---- | ---- | .05040N | .046500 | - .003900 | .923 | ---- | ---- | 2 | | UNCH | .101800B | .044000 |
| 695 | ---- | ---- | ---- | .04570N | .041900 | - .003800 | .901 | ---- | ---- | 3 | | UNCH | .097400B | .039500 |
| 700 | ---- | ---- | ---- | .04110N | .037300 | - .003800 | .874 | ---- | ---- | 22 | | UNCH | .092600B | .035100 |
| 705 | ---- | ---- | ---- | .03660N | .033000 | - .003600 | .842 | ---- | ---- | 4 | | UNCH | .087800B | .030800 |
| 710 | ---- | ---- | ---- | .03220N | .028800 | - .003400 | .803 | ---- | ---- | 7 | | UNCH | .083100B | .026700 |
| 715 | ---- | ---- | ---- | .02800N | .024800 | - .003200 | .760 | ---- | ---- | 3 | | UNCH | .078500B | .022900 |
| 720 | ---- | ---- | ---- | .02400N | .021000 | - .003000 | .708 | ---- | ---- | 1 | | UNCH | .073800B | .019200 |
| 730 | ---- | ---- | ---- | .01680N | .014300 | - .002500 | .583 | ---- | ---- | 477 | | UNCH | .064700B | .012800 |
| 735 | ---- | ---- | ---- | .01370N | .011500 | - .002200 | .513 | ---- | 2 | 51 | + | 2 | .060200B | .010200 |
| 740 | ---- | ---- | ---- | .01090N | .009000 | - .001900 | .441 | ---- | 8 | 110 | + | 7 | .055800B | .008000 |
| 745 | ---- | ---- | ---- | .00850N | .006900 | - .001600 | .370 | ---- | 3 | 75 | | UNCH | .051500B | .006100 |
| 750 | ---- | ---- | ---- | .00650N | .005200 | - .001300 | .303 | ---- | ---- | 467 | | UNCH | .047300B | .004600 |
| 755 | ---- | ---- | ---- | .00490N | .003900 | - .001000 | .243 | ---- | 9 | 895 | | UNCH | .043200B | .003400 |
| 760 | ---- | ---- | ---- | .00360N | .002900 | - .000700 | .192 | ---- | 14 | 881 | | UNCH | .039300B | .002500 |
| 765 | ---- | ---- | ---- | .00270N | .002100 | - .000600 | .148 | ---- | 3 | 331 | - | 3 | .039400B | .001900 |
| 770 | ---- | ---- | ---- | .00190N | .001500 | - .000400 | .112 | ---- | 17 | 679 | | UNCH | .036200B | .001400 |
| 775 | ---- | ---- | ---- | .00140N | .001100 | - .000300 | .085 | ---- | 30 | 207 | - | 10 | .035900 | .001000 |
| 780 | ---- | ---- | ---- | .00100N | .000800 | - .000200 | .064 | ---- | 2 | 158 | - | 2 | .043100B | .000700 |
| 785 | ---- | ---- | ---- | .00070N | .000600 | - .000100 | .049 | ---- | ---- | 205 | | UNCH | .039900B | .000600 |
| 790 | ---- | ---- | ---- | .00050N | .000400 | - .000100 | .034 | ---- | ---- | 236 | | UNCH | .036900B | .000400 |
| 795 | ---- | ---- | ---- | .00040N | .000300 | - .000100 | .026 | ---- | 3 | 105 | - | 3 | .034000B | .000300 |
| 800 | ---- | ---- | ---- | .00030N | .000250 | - .000050 | .021 | ---- | ---- | 174 | | UNCH | .031400B | .000250 |
| 805 | ---- | ---- | ---- | .00025N | .000200 | - .000050 | .017 | ---- | ---- | 44 | | UNCH | .029000B | .000200 |
| 810 | ---- | ---- | ---- | .00015N | .000150 | UNCH | .013 | ---- | ---- | 232 | | UNCH | .026500B | .000200 |
| 815 | ---- | ---- | ---- | .00015N | .000150 | UNCH | .012 | ---- | ---- | 52 | | UNCH | .024200B | .000200 |
| 820 | ---- | ---- | ---- | .00010N | .000100 | UNCH | .008 | ---- | ---- | 52 | | UNCH | .022000B | .000200 |
| 825 | ---- | ---- | ---- | .00010N | .000100 | UNCH | .008 | ---- | ---- | 67 | | UNCH | .020000B | .000100 |
| 830 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .004 | ---- | ---- | 46 | | UNCH | .018200B | .000300 |
| 835 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .003 | ---- | ---- | 36 | | UNCH | .016500B | .000100 |
| 840 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .002 | ---- | ---- | 239 | | UNCH | .014900B | .000150 |
| 845 | ---- | ---- | ---- | .00005N | CAB | ---- | .001 | ---- | ---- | 2 | | UNCH | .013400B | .000100 |
| 850 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | ---- | 406 | | UNCH | .012100B | .000100 |
| 855 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 9 | | UNCH | .010900B | .000600 |
| 860 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 26 | | UNCH | .009900B | .000150 |
| 865 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 36 | | UNCH | .008900B | .000300 |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADU OPT | | | | | | | | | | | | | | |
| | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 870 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 24 | UNCH | .008000B | .000400 |
| 875 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 46 | UNCH | .007200B | .000350 |
| 880 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 32 | UNCH | .006500B | .000100 |
| 885 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 30 | UNCH | .005900B | .000400 |
| 910 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 47 | UNCH | .001600 | .000150 |
| TOTAL | | | | | | | | | | 91 | 6562 - | 9 | |
| OCT18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 670 | ---- | ---- | ---- | .07050N | .066500 | - .004000 | .951 | ---- | ---- | 1 | UNCH | .098300B | .063900 |
| 725 | ---- | ---- | ---- | .02250N | .019900 | - .002600 | .633 | ---- | ---- | 25 | UNCH | .046000B | .018300 |
| 730 | ---- | ---- | ---- | .01920N | .016800 | - .002400 | .577 | ---- | ---- | 162 | UNCH | .041700B | .015200 |
| 735 | ---- | ---- | ---- | .01610N | .013900 | - .002200 | .519 | ---- | ---- | 2 | UNCH | .037400B | .012600 |
| 740 | ---- | ---- | ---- | .01330N | .011400 | - .001900 | .459 | ---- | ---- | 215 | UNCH | .033300B | .010300 |
| 745 | ---- | ---- | ---- | .01090N | .009200 | - .001700 | .400 | ---- | ---- | 212 | UNCH | .029400B | .008300 |
| 750 | ---- | ---- | ---- | .00880N | .007400 | - .001400 | .343 | ---- | ---- | 367 | UNCH | .025700B | .006700 |
| 755 | ---- | ---- | ---- | .00700N | .005800 | - .001200 | .288 | ---- | ---- | 127 | UNCH | .022200B | .005300 |
| 760 | ---- | ---- | ---- | .00550N | .004500 | - .001000 | .238 | ---- | 20 | 345 + | 15 | .019000B | .004100 |
| 765 | ---- | ---- | ---- | .00420N | .003500 | - .000700 | .195 | ---- | 1 | 2 + | 1 | .016000B | .003200 |
| 770 | ---- | ---- | ---- | .00330N | .002700 | - .000600 | .158 | ---- | 1 | 11 + | 1 | .013400B | .002500 |
| 775 | ---- | ---- | ---- | .00250N | .002100 | - .000400 | .128 | ---- | ---- | 50 | UNCH | .011100B | .002000 |
| 780 | ---- | ---- | ---- | .00190N | .001600 | - .000300 | .101 | ---- | ---- | 6 | UNCH | .009000B | .001500 |
| 785 | ---- | ---- | ---- | .00140N | .001200 | NEW | .079 | ---- | 1 | 1 + | 1 | .007300B | .001200 |
| 790 | ---- | ---- | ---- | .00110N | .001000 | - .000100 | .066 | ---- | 1 | 3 - | 1 | .005800B | .000900 |
| 795 | ---- | ---- | ---- | .00080N | .000700 | - .000100 | .049 | ---- | ---- | 1 | UNCH | .004600B | .000700 |
| 800 | ---- | ---- | ---- | .00060N | .000600 | UNCH | .041 | ---- | ---- | 5 | UNCH | .003700B | .000800 |
| 805 | ---- | ---- | ---- | .00050N | .000450 | - .000050 | .032 | ---- | ---- | 12 | UNCH | .002900B | .000700 |
| 810 | ---- | ---- | ---- | .00040N | .000350 | - .000050 | .025 | ---- | ---- | 23 | UNCH | .002300B | .000500 |
| 815 | ---- | ---- | ---- | .00030N | .000300 | UNCH | .021 | ---- | ---- | 8 | UNCH | .001800B | .000450 |
| 820 | ---- | ---- | ---- | .00025N | .000250 | UNCH | .018 | ---- | ---- | 11 | UNCH | .001400B | .000350 |
| TOTAL | | | | | | | | | | 24 | 1589 + | 17 | |
| DEC18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 640 | ---- | ---- | ---- | .09990N | .095900 | - .004000 | .966 | ---- | 4 | 6 + | 4 | .127200B | .093100 |
| 645 | ---- | ---- | ---- | .09510N | .091100 | NEW | .958 | ---- | 3 | 3 + | 3 | .122300B | .088400 |
| 725 | ---- | ---- | ---- | .02610N | .023600 | - .002500 | .608 | ---- | ---- | 72 | UNCH | .060800B | .022100 |
| 730 | ---- | ---- | ---- | .02290N | .020600 | - .002300 | .565 | ---- | ---- | 80 | UNCH | .056500B | .019200 |
| 735 | ---- | ---- | ---- | .02000N | .017800 | - .002200 | .520 | ---- | ---- | 30 | UNCH | .052400B | .016600 |
| 740 | ---- | ---- | ---- | .01720N | .015300 | - .001900 | .473 | ---- | ---- | 47 | UNCH | .048300B | .014200 |
| 745 | ---- | ---- | ---- | .01480N | .013000 | - .001800 | .427 | ---- | ---- | 78 | UNCH | .044400B | .012000 |
| 750 | ---- | ---- | ---- | .01260N | .011000 | - .001600 | .381 | ---- | ---- | 122 | UNCH | .040600B | .010100 |
| 755 | ---- | ---- | ---- | .01060N | .009200 | - .001400 | .337 | ---- | ---- | 2 | UNCH | .037000B | .008500 |
| 760 | ---- | ---- | ---- | .00890N | .007700 | - .001200 | .296 | ---- | ---- | 119 | UNCH | .037600B | .007100 |
| 765 | ---- | ---- | ---- | .00740N | .006400 | - .001000 | .257 | ---- | ---- | 108 | UNCH | .036900B | .005900 |
| 770 | ---- | ---- | ---- | .00620N | .005300 | - .000900 | .222 | ---- | 3 | 139 + | 2 | .035600B | .004900 |
| 775 | ---- | ---- | ---- | .00510N | .004400 | - .000700 | .191 | ---- | ---- | 351 | UNCH | .038500B | .004000 |
| 780 | ---- | ---- | ---- | .00420N | .003600 | - .000600 | .163 | ---- | 1 | 460 | UNCH | .037500B | .003300 |
| 785 | ---- | ---- | ---- | .00340N | .002900 | - .000500 | .137 | ---- | ---- | 87 | UNCH | .038900B | .002700 |
| 790 | ---- | ---- | ---- | .00280N | .002400 | - .000400 | .116 | ---- | ---- | 109 | UNCH | .035700B | .002200 |
| 795 | ---- | ---- | ---- | .00230N | .002000 | - .000300 | .099 | ---- | ---- | 167 | UNCH | .033400B | .001800 |
| 800 | ---- | ---- | ---- | .00190N | .001600 | - .000300 | .082 | ---- | ---- | 104 | UNCH | .030400B | .001500 |
| 805 | ---- | ---- | ---- | .00150N | .001300 | - .000200 | .068 | ---- | ---- | 105 | UNCH | .027100B | .001300 |
| 810 | ---- | ---- | ---- | .00130N | .001100 | - .000200 | .058 | ---- | ---- | 804 | UNCH | .025200B | .001100 |
| 815 | ---- | ---- | ---- | .00100N | .000900 | - .000100 | .048 | ---- | 10 | 14 + | 10 | .024600B | .000900 |
| 820 | ---- | ---- | ---- | .00080N | .000700 | - .000100 | .039 | ---- | ---- | 49 | UNCH | .023100B | .000900 |
| 825 | ---- | ---- | ---- | .00070N | .000600 | - .000100 | .033 | ---- | ---- | 352 | UNCH | .020900B | .000800 |
| 830 | ---- | ---- | ---- | .00060N | .000500 | - .000100 | .028 | ---- | ---- | 26 | UNCH | .018800B | .000700 |
| 835 | ---- | ---- | ---- | .00050N | .000400 | - .000100 | .023 | ---- | ---- | 5 | UNCH | .017000B | .000450 |
| 840 | ---- | ---- | ---- | .00040N | .000350 | - .000050 | .020 | ---- | ---- | 8 | UNCH | .015200B | .000450 |
| 845 | ---- | ---- | ---- | .00035N | .000300 | - .000050 | .017 | ---- | ---- | 3 | UNCH | .013700B | .000400 |
| 850 | ---- | ---- | ---- | .00030N | .000250 | - .000050 | .014 | ---- | ---- | 55 | UNCH | .012300B | .000350 |
| 855 | ---- | ---- | ---- | .00025N | .000250 | UNCH | .014 | ---- | ---- | 1 | UNCH | .010500B | .000300 |
| 860 | ---- | ---- | ---- | .00025N | .000200 | - .000050 | .011 | ---- | ---- | 13 | UNCH | .009500B | .000300 |
| 865 | ---- | ---- | ---- | .00020N | .000200 | UNCH | .011 | ---- | ---- | 2 | UNCH | .008500 | .000700 |
| 870 | ---- | ---- | ---- | .00020N | .000150 | - .000050 | .008 | ---- | ---- | 4 | UNCH | .007500B | .000800 |
| 875 | ---- | ---- | ---- | .00015N | .000150 | UNCH | .008 | ---- | ---- | 2 | UNCH | .007000 | .001000 |
| 920 | ---- | ---- | ---- | .00010N | .000100 | UNCH | .005 | ---- | ---- | 27 | UNCH | .000450 | .000200 |
| TOTAL | | | | | | | | | | 21 | 3554 + | 19 | |
| MAR19 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 760 | ---- | ---- | ---- | .01350N | .012000 | - .001500 | .347 | ---- | ---- | 25 | UNCH | .038300B | .011600 |
| 770 | ---- | ---- | ---- | .01020N | .009000 | - .001200 | .281 | ---- | ---- | 1 | UNCH | .034700B | .008900 |
| 775 | ---- | ---- | ---- | .00890N | .007800 | - .001100 | .252 | ---- | ---- | 160 | UNCH | .036500B | .007700 |
| 780 | ---- | ---- | ---- | .00770N | .006700 | - .001000 | .224 | ---- | ---- | 5 | UNCH | .034900B | .006700 |
| 785 | ---- | ---- | ---- | .00660N | .005800 | - .000800 | .200 | ---- | ---- | 50 | UNCH | .032000B | .005800 |
| 790 | ---- | ---- | ---- | .00570N | .005000 | - .000700 | .177 | ---- | ---- | 400 | UNCH | .029200B | .005000 |
| 800 | ---- | ---- | ---- | .00430N | .003700 | - .000600 | .138 | ---- | ---- | 1 | UNCH | .024100B | .003800 |
| 810 | ---- | ---- | ---- | .00320N | .002700 | - .000500 | .106 | ---- | ---- | 1 | UNCH | .019800B | .002900 |
| 820 | ---- | ---- | ---- | .00240N | .002000 | - .000400 | .081 | ---- | ---- | 2 | UNCH | .016000B | .002200 |
| 830 | ---- | ---- | ---- | .00180N | .001500 | - .000300 | .062 | ---- | ---- | 13 | UNCH | .013000B | .001700 |
| 865 | ---- | ---- | ---- | .00080N | .000700 | - .000100 | .029 | ---- | ---- | 29 | UNCH | .006200B | .003800 |
| TOTAL | | | | | | | | | | 0 | 687 | | |
| JUN19 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 805 | ---- | ---- | ---- | .00620N | .005400 | - .000800 | .165 | ---- | ---- | 5 | UNCH | .011000B | .005800 |
| TOTAL | | | | | | | | | | 0 | 5 | | |

ADDITIONAL AUSSIE & NEW ZEALAND PUT Options **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ADU OPT | | | | | | | | | | | |
| JUN18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 690 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 50 UNCH | .000050 | .000050 |
| 715 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 6 UNCH | .000450B | .000050 |
| 720 | ---- | ---- | ---- | ---- | .000050 UNCH | .005 | ---- | ---- | 3 UNCH | .000800B | .000100 |
| 725 | ---- | ---- | ---- | ---- | .000200 + .000100 | .032 | ---- | 2 | 80 UNCH | .001500B | .000150 |
| 730 | ---- | ---- | ---- | ---- | .000700 + .000350 | .148 | ---- | 81 | 246 + 41 | .002700B | .000200 |
| 735 | ---- | ---- | ---- | ---- | .002200 + .001100 | .466 | ---- | 30 | 199 + 2 | .004700B | .000300 |
| 740 | ---- | ---- | ---- | ---- | .005300 + .002400 | .834 | ---- | 9 | 190 - 1 | .007600B | .000500 |
| 745 | ---- | ---- | ---- | ---- | .009800 + .003600 | .972 | ---- | ---- | 119 UNCH | .012300B | .000800 |
| 750 | ---- | ---- | ---- | ---- | .014600 + .004000 | .994 | ---- | ---- | 146 UNCH | .017300B | .001200 |
| 755 | ---- | ---- | ---- | ---- | .019600 + .004100 | .999 | ---- | ---- | 227 UNCH | .022200B | .001900 |
| 760 | ---- | ---- | ---- | ---- | .024600 + .004200 | .999 | ---- | 1 | 118 UNCH | .027200B | .003000 |
| 765 | ---- | ---- | ---- | ---- | .029600 + .004200 | 1.000 | ---- | ---- | 77 UNCH | .032200B | .004600 |
| 770 | ---- | ---- | ---- | ---- | .034600 + .004200 | 1.000 | ---- | ---- | 2 UNCH | .037200B | .007000 |
| 775 | ---- | ---- | ---- | ---- | .039600 + .004200 | 1.000 | ---- | ---- | 4 UNCH | .042200B | .010100 |
| 785 | ---- | ---- | ---- | ---- | .049600 + .004200 | 1.000 | ---- | ---- | 1 UNCH | .052200B | .018000 |
| 790 | ---- | ---- | ---- | ---- | .054600 + .004200 | 1.000 | ---- | ---- | 1 UNCH | .057200B | .022500 |
| 820 | ---- | ---- | ---- | ---- | .084600 + .004200 | 1.000 | ---- | ---- | 1 UNCH | .087200B | .051900 |
| 825 | ---- | ---- | ---- | ---- | .089600 + .004200 | 1.000 | ---- | ---- | 1 UNCH | .092200B | .056900 |
| 830 | ---- | ---- | ---- | ---- | .094600 + .004200 | 1.000 | ---- | ---- | 1 UNCH | .097200B | .061900 |
| 835 | ---- | ---- | ---- | ---- | .099600 + .004200 | 1.000 | ---- | ---- | 1 UNCH | .102000B | .066900 |
| TOTAL | | | | | | | | 123 | 1473 + 42 | | |
| JUL18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | |
| 650 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 25 UNCH | .000500B | .000050 |
| 660 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 50 UNCH | .000450B | .000200 |
| 665 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 30 UNCH | .000700B | .000250 |
| 670 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 25 UNCH | .000800B | .000150 |
| 680 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 75 UNCH | .00010 | .00005 |
| 680 | ---- | ---- | ---- | ---- | CAB ---- | ---- | ---- | ---- | 9 UNCH | .001100B | .000250 |
| 685 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 14 UNCH | .001300B | .000200 |
| 690 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 27 UNCH | .001800 | .000100 |
| 695 | ---- | ---- | ---- | ---- | .00005 UNCH | .006 | ---- | ---- | 50 UNCH | .00030 | .00015 |
| 695 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 80 UNCH | .001800B | .000050 |
| 700 | ---- | ---- | ---- | ---- | CAB ---- | .002 | ---- | ---- | 59 UNCH | .002000B | .000050 |
| 705 | ---- | ---- | ---- | .00005N | .000050 UNCH | .007 | ---- | ---- | 32 UNCH | .002400B | .000100 |
| 710 | ---- | ---- | ---- | .00005N | .000100 + .000050 | .016 | ---- | ---- | 184 UNCH | .002700B | .000100 |
| 715 | ---- | ---- | ---- | .00015N | .000250 + .000100 | .039 | ---- | ---- | 200 UNCH | .003200B | .000150 |
| 715 | ---- | ---- | ---- | ---- | .001200 + .000500 | .123 | ---- | ---- | 205 UNCH | .001700 | .000600 |
| 720 | ---- | ---- | ---- | ---- | .00120 + 0.00050 | .143 | ---- | ---- | 50 UNCH | .00200B | .00030A |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADU OPT | | | | | | | | | | | | | | | |
| | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | | |
| 720 | ---- | ---- | ---- | .00030N | .000600 | + .000300 | .090 | ---- | 5 | 304 | | UNCH | .003700B | .000200 | |
| 720 | ---- | ---- | ---- | ---- | .001800 | + .000600 | .180 | ---- | ---- | 126 | | UNCH | .002600B | .000900 | |
| 725 | ---- | ---- | ---- | ---- | .00210 | + 0.00090 | .231 | ---- | ---- | 102 | | UNCH | .00320 | .00040A | |
| 725 | ---- | ---- | ---- | .00060N | .001200 | + .000600 | .172 | ---- | 26 | 417 | + | 9 | .004200B | .000250 | |
| 725 | ---- | ---- | ---- | ---- | .002800 | + .001000 | .261 | ---- | ---- | 1 | | UNCH | .003800B | .001400 | |
| 725 | ---- | ---- | ---- | ---- | .003500 | + .001100 | .284 | ---- | ---- | 2 | | UNCH | .004200B | .002200 | |
| 730 | ---- | ---- | ---- | ---- | .00340 | + 0.00130 | .344 | ---- | ---- | 105 | | UNCH | .00470B | .00050A | |
| 730 | ---- | ---- | ---- | .00130N | .002200 | + .000900 | .299 | ---- | 70 | 851 | - | 66 | .005200 | .000350 | |
| 730 | ---- | ---- | ---- | ---- | .004200 | + .001400 | .364 | ---- | 22 | 72 | + | 11 | .005400B | .002100 | |
| 730 | ---- | ---- | ---- | ---- | .005000 | NEW | .378 | ---- | 14 | 14 | + | 14 | .006000B | .003200 | |
| 735 | ---- | ---- | ---- | ---- | .00530 | + 0.00180 | .484 | ---- | ---- | 233 | | UNCH | .00680B | .00070A | |
| 735 | ---- | ---- | ---- | .00250N | .004100 | + .001600 | .481 | ---- | 103 | 1786 | + | 17 | .006800 | .000500 | |
| 735 | ---- | ---- | ---- | ---- | .006200 | + .001900 | .485 | ---- | 3 | 18 | + | 3 | .007600B | .003100 | |
| 735 | ---- | ---- | ---- | ---- | .007000 | NEW | .486 | ---- | 35 | 35 | + | 35 | .008300B | .004600 | |
| 740 | ---- | ---- | ---- | ---- | .00810 | + 0.00250 | .631 | ---- | ---- | 44 | | UNCH | .00980B | .00100A | |
| 740 | ---- | ---- | ---- | .00450N | .006900 | + .002400 | .674 | ---- | 9 | 1413 | - | 1 | .008800B | .000600 | |
| 740 | ---- | ---- | ---- | ---- | .008900 | + .002500 | .612 | ---- | ---- | 51 | | UNCH | .010600B | .004800 | |
| 740 | ---- | ---- | ---- | ---- | .009700 | + .002400 | .598 | ---- | ---- | 26 | | UNCH | .011300B | .006400 | |
| 745 | ---- | ---- | ---- | ---- | .01150 | + 0.00310 | .765 | ---- | 2 | 170 | - | 1 | .01360B | .00140 | |
| 745 | ---- | ---- | ---- | .00750N | .010700 | + .003200 | .824 | ---- | 1 | 1587 | + | 1 | .012900B | .001100 | |
| 745 | ---- | ---- | ---- | ---- | .012200 | + .002900 | .730 | ---- | ---- | 106 | | UNCH | .014200B | .006900 | |
| 745 | ---- | ---- | ---- | ---- | .012900 | + .002900 | .704 | ---- | ---- | 50 | | UNCH | .014800B | .009000 | |
| 750 | ---- | ---- | ---- | ---- | .01560 | + 0.00350 | .862 | ---- | ---- | 128 | | UNCH | .01790B | .00210A | |
| 750 | ---- | ---- | ---- | .01130N | .015100 | + .003800 | .920 | ---- | 1 | 1397 | - | 6 | .017500B | .001600 | |
| 755 | ---- | ---- | ---- | ---- | .02010 | + 0.00380 | .925 | ---- | ---- | 212 | | UNCH | .02260B | .00300 | |
| 755 | ---- | ---- | ---- | .01580N | .019800 | + .004000 | .964 | ---- | ---- | 703 | | UNCH | .022300B | .002400 | |
| 760 | ---- | ---- | ---- | ---- | .02490 | + 0.00410 | .955 | ---- | ---- | 278 | | UNCH | .02740B | .00440 | |
| 760 | ---- | ---- | ---- | .02050N | .024700 | + .004200 | .982 | ---- | ---- | 450 | | UNCH | .027300B | .003700 | |
| 765 | ---- | ---- | ---- | ---- | .02970 | + 0.00410 | .976 | ---- | ---- | 232 | | UNCH | .03230B | .00620A | |
| 765 | ---- | ---- | ---- | .02540N | .029600 | + .004200 | .991 | ---- | ---- | 248 | | UNCH | .032300B | .004800 | |
| 770 | ---- | ---- | ---- | ---- | .03460 | + 0.00410 | .985 | ---- | 2 | 32 | + | 2 | .03730B | .00850A | |
| 770 | ---- | ---- | ---- | .03040N | .034600 | + .004200 | .997 | ---- | ---- | 69 | | UNCH | .037200B | .006200 | |
| 775 | ---- | ---- | ---- | ---- | .03960 | + 0.00420 | .992 | ---- | ---- | 10 | | UNCH | .04220B | .01140 | |
| 775 | ---- | ---- | ---- | .03540N | .039600 | + .004200 | .999 | ---- | ---- | 132 | | UNCH | .042200B | .007900 | |
| 780 | ---- | ---- | ---- | ---- | .04460 | + 0.00420 | .996 | ---- | ---- | 3 | | UNCH | .04720B | .01480 | |
| 780 | ---- | ---- | ---- | .04040N | .044600 | + .004200 | .999 | ---- | ---- | 94 | | UNCH | .047200B | .009400 | |
| 785 | ---- | ---- | ---- | .04540N | .049600 | + .004200 | .999 | ---- | ---- | 22 | | UNCH | .052200B | .011200 | |
| 790 | ---- | ---- | ---- | .05040N | .054600 | + .004200 | .999 | ---- | ---- | 25 | | UNCH | .057200B | .013300 | |
| 790 | ---- | ---- | ---- | ---- | .054600 | NEW | .993 | ---- | 1 | 1 | + | 1 | .057200B | .048200 | |
| 795 | ---- | ---- | ---- | .05540N | .059600 | + .004200 | 1.000 | ---- | ---- | 4 | | UNCH | .062200B | .015700 | |
| 800 | ---- | ---- | ---- | .06040N | .064600 | + .004200 | 1.000 | ---- | ---- | 33 | | UNCH | .067200B | .018400 | |
| 805 | ---- | ---- | ---- | .06540N | .069600 | + .004200 | 1.000 | ---- | ---- | 12 | | UNCH | .072200B | .021400 | |
| 810 | ---- | ---- | ---- | .07040N | .074600 | + .004200 | 1.000 | ---- | ---- | 8 | | UNCH | .077200B | .024200 | |
| 815 | ---- | ---- | ---- | .07540N | .079600 | + .004200 | 1.000 | ---- | ---- | 11 | | UNCH | .082200B | .027700 | |
| 820 | ---- | ---- | ---- | .08040N | .084600 | + .004200 | 1.000 | ---- | ---- | 16 | | UNCH | .087200B | .030900 | |
| 825 | ---- | ---- | ---- | .08540N | .089600 | + .004200 | 1.000 | ---- | ---- | 6 | | UNCH | .092200B | .034400 | |
| 830 | ---- | ---- | ---- | .09030N | .094600 | + .004300 | 1.000 | ---- | ---- | 11 | | UNCH | .097200B | .038100 | |
| 835 | ---- | ---- | ---- | .09530N | .099500 | + .004200 | 1.000 | ---- | ---- | 40 | | UNCH | .100100B | .041900 | |
| 840 | ---- | ---- | ---- | ---- | .10450 | + 0.00420 | 1.000 | ---- | ---- | 1 | | UNCH | .10040B | .07180A | |
| 840 | ---- | ---- | ---- | .10030N | .104500 | + .004200 | 1.000 | ---- | ---- | 4 | | UNCH | .100400B | .045900 | |
| 845 | ---- | ---- | ---- | .10530N | .109500 | + .004200 | 1.000 | ---- | ---- | 1 | | UNCH | .100300B | .050100 | |
| 850 | ---- | ---- | ---- | .11030N | .114500 | + .004200 | 1.000 | ---- | ---- | 2 | | UNCH | .100500B | .054400 | |
| TOTAL | | | | | | | | | 294 | 12813 | + | 19 | | | |
| AUG18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | | |
| 660 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .002 | ---- | ---- | 10 | | UNCH | .000300 | .000250 | |
| 665 | ---- | ---- | ---- | .00005N | .000050 | UNCH | .004 | ---- | ---- | 62 | | UNCH | .000300B | .000100 | |
| 670 | ---- | ---- | ---- | .00005N | .000100 | + .000050 | .009 | ---- | 2 | 66 | + | 2 | .000400B | .000150 | |
| 680 | ---- | ---- | ---- | .00010N | .000150 | + .000050 | .014 | ---- | ---- | 20 | | UNCH | .000500B | .000100 | |
| 685 | ---- | ---- | ---- | .00020N | .000250 | + .000050 | .023 | ---- | ---- | 26 | | UNCH | .000800B | .000150 | |
| 690 | ---- | ---- | ---- | .00025N | .000350 | + .000100 | .032 | ---- | 1 | 15 | | UNCH | .001000B | .000150 | |
| 695 | ---- | ---- | ---- | .00035N | .000500 | + .000150 | .045 | ---- | ---- | 42 | | UNCH | .001300B | .000200 | |
| 700 | ---- | ---- | ---- | .00050N | .000700 | + .000200 | .062 | ---- | 44 | 63 | + | 2 | .001700B | .000200 | |
| 705 | ---- | ---- | ---- | .00070N | .001000 | + .000300 | .087 | ---- | 1 | 84 | | UNCH | .002200B | .000250 | |
| 710 | ---- | ---- | ---- | .00110N | .001500 | + .000400 | .125 | ---- | 7 | 132 | + | 5 | .002800B | .000350 | |
| 715 | ---- | ---- | ---- | .00150N | .002100 | + .000600 | .169 | ---- | 1 | 191 | | UNCH | .003600B | .000450 | |
| 720 | ---- | ---- | ---- | .00220N | .003000 | + .000800 | .229 | ---- | 194 | 869 | + | 11 | .004600B | .000500 | |
| 725 | ---- | ---- | ---- | .00310N | .004200 | + .001100 | .303 | ---- | 143 | 641 | + | 41 | .005800B | .000800 | |
| 730 | ---- | ---- | ---- | .00430N | .005800 | + .001500 | .389 | ---- | 488 | 3049 | + | 214 | .007200B | .001000 | |
| 735 | ---- | ---- | ---- | .00600N | .007900 | + .001900 | .486 | ---- | 15 | 437 | | UNCH | .009300B | .001400 | |
| 740 | ---- | ---- | ---- | .00810N | .010500 | + .002400 | .585 | ---- | 2 | 616 | - | 1 | .012100B | .001900 | |
| 745 | ---- | ---- | ---- | .01080N | .013700 | + .002900 | .681 | ---- | 13 | 607 | - | 5 | .015500B | .002600 | |
| 750 | ---- | ---- | ---- | .01410N | .017300 | + .003200 | .766 | ---- | 1 | 836 | | UNCH | .019400B | .003500 | |
| 755 | ---- | ---- | ---- | .01780N | .021300 | + .003500 | .832 | ---- | ---- | 526 | | UNCH | .023600B | .004400 | |
| 760 | ---- | ---- | ---- | .02190N | .025700 | + .003800 | .888 | ---- | ---- | 354 | | UNCH | .028100B | .005400 | |
| 765 | ---- | ---- | ---- | .02630N | .030200 | + .003900 | .925 | ---- | ---- | 63 | | UNCH | .032700B | .006600 | |
| 770 | ---- | ---- | ---- | .03100N | .035000 | + .004000 | .950 | ---- | ---- | 21 | | UNCH | .037500B | .008100 | |
| 775 | ---- | ---- | ---- | .03580N | .039800 | + .004000 | .965 | ---- | ---- | 15 | | UNCH | .042400B | .009900 | |
| 780 | ---- | ---- | ---- | .04060N | .044700 | + .004100 | .976 | ---- | ---- | 1 | | UNCH | .047300B | .012100 | |
| 785 | ---- | ---- | ---- | .04550N | .049600 | + .004100 | .982 | ---- | ---- | 2 | | UNCH | .052200B | .014500 | |
| 790 | ---- | ---- | ---- | .05040N | .054600 | + .004200 | .988 | ---- | ---- | 2 | | UNCH | .057200B | .017300 | |
| 805 | ---- | ---- | ---- | .06530N | .069500 | + .004200 | .998 | ---- | ---- | 2 | | UNCH | .072100B | .027700 | |
| 810 | ---- | ---- | ---- | .07030N | .074500 | + .004200 | .999 | ---- | ---- | 8 | | UNCH | .077100B | .031700 | |
| 815 | ---- | ---- | ---- | .07530N | .079500 | + .004200 | .999 | ---- | ---- | 7 | | UNCH | .082100B | .035900 | |
| 825 | ---- | ---- | ---- | .08520N | .089400 | + .004200 | .999 | ---- | ---- | 1 | | UNCH | .092000B | .044900 | |
| 830 | ---- | ---- | ---- | .09020N | .094400 | + .004200 | .999 | ---- | ---- | 3 | | UNCH | .097000B | .049500 | |
| 835 | ---- | ---- | ---- | .09520N | .099400 | + .004200 | .999 | ---- | ---- | 3 | | UNCH | .100200B | .054200 | |
| 845 | ---- | ---- | ---- | .10520N | .109400 | + .004200 | 1.000 | ---- | ---- | 8 | | UNCH | .100200B | .063900 | |
| TOTAL | | | | | | | | | 912 | 8782 | + | 269 | | | |
| SEP18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | | |
| 635 | ---- | ---- | ---- | .00005N | .000100 | + .000050 | .006 | ---- | ---- | 2 | | UNCH | .000050 | .000050 | |
| 650 | ---- | ---- | ---- | .00015N | .000150 | UNCH | .010 | ---- | ---- | 51 | | UNCH | .000600B | .000150 | |
| 660 | ---- | ---- | ---- | .00020N | .000300 | + .000100 | .019 | ---- | ---- | 32 | | UNCH | .002900B | .000200 | |
| 665 | ---- | ---- | ---- | .00025N | .000350 | + .000100 | .023 | ---- | ---- | 28 | | UNCH | .003700B | .000250 | |
| 670 | ---- | ---- | ---- | .00035N | .000450 | + .000100 | .029 | ---- | 4 | 35 | + | 4 | .004100 | .000200 | |
| 675 | ---- | ---- | ---- | .00045N | .000600 | + .000150 | .038 | ---- | ---- | 21 | | UNCH | .004600 | .000200 | |
| 680 | ---- | ---- | ---- | .00060N | .000700 | + .000100 | .046 | ---- | 3 | 128 | + | 3 | .004700B | .000250 | |
| 685 | ---- | ---- | ---- | .00080N | .001000 | + .000200 | .063 | ---- | ---- | 47 | | UNCH | .005300B | .000300 | |
| 690 | ---- | ---- | ---- | .00100N | .001200 | + .000200 | .076 | ---- | 3 | 51 | + | 1 | .006100 | .000400 | |
| 695 | ---- | ---- | ---- | .00130N | .001600 | + .000300 | .098 | ---- | 12 | 273 | + | 4 | .006600B | .000450 | |
| 700 | ---- | ---- | ---- | .00160N | .002100 | + .000500 | .125 | ---- | 44 | 174 | + | 39 | .007700B | .000600 | |
| 705 | ---- | ---- | ---- | .00210N | .002700 | + .000600 | .157 | ---- | 6 | 103 | + | 5 | .008600B | .000700 | |
| 710 | ---- | ---- | ---- | .00270N | .003500 | + .000800 | .196 | ---- | 6 | 278 | | UNCH | .009500B | .000900 | |
| 715 | ---- | ---- | ---- | .00350N | .004400 | + .000900 | .239 | ---- | 4 | 186 | + | 2 | .010500B | .001100 | |
| 720 | ---- | ---- | ---- | .00450N | .005600 | + .001100 | .291 | ---- | 57 | 102 | + | 29 | .011600B | .001300 | |
| 725 | ---- | ---- | ---- | .00570N | .007100 | + .001400 | .351 | ---- | 2 | 422 | | UNCH | .012800B | .001800 | |
| 730 | ---- | ---- | ---- | .00730N | .008900 | + .001600 | .416 | ---- | 2 | 665 | | UNCH | .014300B | .002300 | |
| 735 | ---- | ---- | ---- | .00910N | .011100 | + .002000 | .486 | ---- | ---- | 272 | | UNCH | .016000B | .002900 | |
| 740 | ---- | ---- | ---- | .01130N | .013600 | + .002300 | .558 | ---- | 2 | 673 | | UNCH | .017800B | .003600 | |
| 745 | ---- | ---- | ---- | .01390N | .016500 | + .002600 | .629 | ---- | ---- | 1267 | | UNCH | .019800B | .004400 | |
| 750 | ---- | ---- | ---- | .01680N | .019800 | + .003000 | .696 | ---- | 14 | 422 | - | 8 | .021900B | .004600 | |
| 755 | ---- | ---- | ---- | .02020N | .023400 | + .003200 | .756 | ---- | ---- | 307 | | UNCH | .025500B | .005700 | |
| 760 | ---- | ---- | ---- | .02400N | .027400 | + .003400 | .807 | ---- | ---- | 195 | | UNCH | .029500B | .006200 | |
| 765 | ---- | ---- | ---- | .02800N | .031600 | + .003600 | .851 | ---- | ---- | 120 | | UNCH | .033800B | .007300 | |
| 770 | ---- | ---- | ---- | .03220N | .036000 | + .003800 | .888 | ---- | ---- | 122 | | UNCH | .038300B | .008100 | |
| 775 | ---- | ---- | ---- | .03670N | .040500 | + .003800 | .914 | ---- | ---- | 168 | | UNCH | .042900B | .009100 | |
| 780 | ---- | ---- | ---- | .04120N | .045200 | + .004000 | .935 | ---- | ---- | 136 | | UNCH | .047700B | .010400 | |
| 785 | ---- | ---- | ---- | .04590N | .050000 | + .004100 | .950 | ---- | ---- | 7 | | UNCH | .052500B | .011600 | |
| 790 | ---- | ---- | ---- | .05070N | .054800 | + .004100 | .965 | ---- | ---- | 71 | | UNCH | .057300B | .013100 | |
| 795 | ---- | ---- | ---- | .05560N | .059700 | + .004100 | .973 | ---- | ---- | 125 | | UNCH | .062200B | .014700 | |
| 800 | ---- | ---- | ---- | .06050N | .064600 | + .004100 | .978 | ---- | ---- | 7 | | UNCH | .067100B | .016500 | |
| 805 | ---- | ---- | ---- | .06540N | .069500 | + .004100 | .982 | ---- | ---- | 35 | | UNCH | .072000B | .018600 | |
| 810 | ---- | ---- | ---- | .07030N | .074500 | + .004200 | .986 | ---- | ---- | 10 | | UNCH | .077000B | .020700 | |
| 815 | ---- | ---- | ---- | .07520N | .079400 | + .004200 | .987 | ---- | ---- | 18 | | UNCH | .081900B | .023100 | |
| 820 | ---- | ---- | ---- | .08020N | .084400 | + .004200 | .991 | ---- | ---- | 12 | | UNCH | .086900B | .025900 | |
| 825 | ---- | ---- | ---- | .08520N | .089300 | + .004100 | .991 | ---- | ---- | 59 | | UNCH | .091900B | .028700 | |
| 830 | ---- | ---- | ---- | .09010N | .094300 | + .004200 | .995 | ---- | ---- | 31 | | UNCH | .096800B | .031700 | |
| 835 | ---- | ---- | ---- | .09510N | .099300 | + .004200 | .996 | ---- | 2 | 169 | + | 2 | .100000B | .034900 | |
| 840 | ---- | ---- | ---- | .10010N | .104200 | + .004100 | .997 | ---- | ---- | 32 | | UNCH | .100800B | .051200 | |
| 845 | ---- | ---- | ---- | .10500N | .109200 | + .004200 | .998 | ---- | ---- | 24 | | UNCH | .100400B | .055600 | |
| 850 | ---- | ---- | ---- | .11000N | .114200 | + .004200 | .999 | ---- | ---- | 22 | | UNCH | .100700B | .060000 | |
| 855 | ---- | ---- | ---- | .11500N | .119100 | + .004100 | .999 | ---- | ---- | 7 | | UNCH | .101300B | .064500 | |
| 860 | ---- | ---- | ---- | .11990N | .124100 | + .004200 | .999 | ---- | ---- | 4 | | UNCH | .100500B | .069000 | |
| 865 | ---- | ---- | ---- | .12490N | .129100 | + .004200 | .999 | ---- | ---- | 1 | | UNCH | .100600B | .073700 | |
| TOTAL | | | | | | | | | 161 | 6914 | + | 81 | | | |
| OCT18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | | |
| 640 | ---- | ---- | ---- | .00020N | .000250 | + .000050 | .014 | ---- | ---- | 2 | | UNCH | .000350 | .000200 | |
| 660 | ---- | ---- | ---- | .00050N | .000600 | + .000100 | .032 | ---- | ---- | 1 | | UNCH | .000800B | .000300 | |
| 665 | ---- | ---- | ---- | .00060N | .000800 | + .000200 | .042 | ---- | ---- | 1 | | UNCH | .000900B | .000300 | |
| 680 | ---- | ---- | ---- | .00120N | .001400 | + .000200 | .073 | ---- | ---- | 1 | | UNCH | .001900B | .000600 | |
| 685 | ---- | ---- | ---- | .00140N | .001800 | + .000400 | .091 | ---- | 1 | 9 | + | 1 | .002300B | .000600 | |
| 690 | ---- | ---- | ---- | .00180N | .002200 | + .000400 | .110 | ---- | ---- | 106 | | UNCH | .002800B | .000800 | |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADU OPT | | | | | | | | | | | | | | |
| | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 695 | ---- | ---- | ---- | .00220N | .002700 | + .000500 | .133 | ---- | ---- | 43 | UNCH | .003300B | .000900 | |
| 700 | ---- | ---- | ---- | .00270N | .003300 | + .000600 | .159 | ---- | ---- | 55 | UNCH | .003900B | .001100 | |
| 705 | ---- | ---- | ---- | .00340N | .004100 | + .000700 | .191 | ---- | ---- | 54 | UNCH | .004700B | .001300 | |
| 710 | ---- | ---- | ---- | .00410N | .005000 | + .000900 | .227 | ---- | 2 | 20 | + 2 | .005600B | .001600 | |
| 715 | ---- | ---- | ---- | .00510N | .006100 | + .001000 | .268 | ---- | ---- | 1 | UNCH | .006700B | .001900 | |
| 720 | ---- | ---- | ---- | .00620N | .007500 | + .001300 | .316 | ---- | 5 | 18 | + 5 | .008200B | .002300 | |
| 730 | ---- | ---- | ---- | .00910N | .010900 | + .001800 | .422 | ---- | ---- | 3 | UNCH | .011900B | .003300 | |
| 735 | ---- | ---- | ---- | .01100N | .013000 | + .002000 | .480 | ---- | ---- | 2 | UNCH | .014200B | .004100 | |
| 740 | ---- | ---- | ---- | .01320N | .015500 | + .002300 | .540 | ---- | ---- | 76 | UNCH | .016900B | .005000 | |
| 745 | ---- | ---- | ---- | .01580N | .018300 | + .002500 | .599 | ---- | ---- | 1 | UNCH | .019800B | .006000 | |
| 750 | ---- | ---- | ---- | .01860N | .021400 | + .002800 | .656 | ---- | ---- | 56 | UNCH | .023100B | .007200 | |
| 755 | ---- | ---- | ---- | .02180N | .024800 | + .003000 | .711 | ---- | ---- | 101 | UNCH | .026600B | .008700 | |
| 760 | ---- | ---- | ---- | .02530N | .028500 | + .003200 | .761 | ---- | ---- | 8 | UNCH | .030500B | .010500 | |
| 770 | ---- | ---- | ---- | .03300N | .036600 | + .003600 | .841 | ---- | ---- | 1 | UNCH | .038800B | .014800 | |
| 775 | ---- | ---- | ---- | .03720N | .041000 | + .003800 | .871 | ---- | ---- | 1 | UNCH | .043200B | .017400 | |
| 815 | ---- | ---- | ---- | .07480N | .079000 | + .004200 | .978 | ---- | ---- | 1 | UNCH | .081400B | .047800 | |
| 820 | ---- | ---- | ---- | .07970N | .083900 | + .004200 | .981 | ---- | ---- | 2 | UNCH | .086400B | .052400 | |
| 825 | ---- | ---- | ---- | .08470N | .088800 | + .004100 | .985 | ---- | ---- | 2 | UNCH | .091300B | .057000 | |
| 835 | ---- | ---- | ---- | .09450N | .098700 | + .004200 | .989 | ---- | ---- | 5 | UNCH | .100400B | .066500 | |
| TOTAL | | | | | | | | | 8 | 570 | + 8 | | | |
| DEC18 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 640 | ---- | ---- | ---- | .00070N | .000800 | + .000100 | .033 | ---- | ---- | 27 | UNCH | .000900 | .000400 | |
| 645 | ---- | ---- | ---- | .00080N | .001000 | + .000200 | .041 | ---- | ---- | 28 | UNCH | .001100B | .000700 | |
| 650 | ---- | ---- | ---- | .00100N | .001200 | + .000200 | .048 | ---- | ---- | 19 | UNCH | .001300B | .000400 | |
| 655 | ---- | ---- | ---- | .00120N | .001400 | + .000200 | .056 | ---- | ---- | 28 | UNCH | .001500B | .000900 | |
| 660 | ---- | ---- | ---- | .00140N | .001700 | + .000300 | .067 | ---- | 1 | 19 | + 1 | .001900B | .001000 | |
| 665 | ---- | ---- | ---- | .00170N | .002000 | + .000300 | .078 | ---- | ---- | 8 | UNCH | .002200B | .000900 | |
| 670 | ---- | ---- | ---- | .00200N | .002300 | + .000300 | .089 | ---- | ---- | 9 | UNCH | .002600B | .001000 | |
| 675 | ---- | ---- | ---- | .00230N | .002700 | + .000400 | .104 | ---- | ---- | 4 | UNCH | .003900B | .001200 | |
| 680 | ---- | ---- | ---- | .00270N | .003200 | + .000500 | .121 | ---- | 2 | 15 | + 2 | .004400B | .001300 | |
| 685 | ---- | ---- | ---- | .00320N | .003800 | + .000600 | .141 | ---- | ---- | 57 | UNCH | .004900B | .001600 | |
| 690 | ---- | ---- | ---- | .00380N | .004400 | + .000600 | .161 | ---- | 31 | 69 | + 19 | .005600B | .001800 | |
| 695 | ---- | ---- | ---- | .00440N | .005200 | + .000800 | .186 | ---- | ---- | 107 | UNCH | .006300B | .002100 | |
| 700 | ---- | ---- | ---- | .00520N | .006100 | + .000900 | .213 | ---- | 1 | 517 | + 1 | .007000B | .001900 | |
| 705 | ---- | ---- | ---- | .00610N | .007100 | + .001000 | .243 | ---- | 1 | 47 | - 1 | .007800B | .002800 | |
| 710 | ---- | ---- | ---- | .00710N | .008200 | + .001100 | .275 | ---- | 1 | 69 | + 1 | .011700B | .003100 | |
| 715 | ---- | ---- | ---- | .00830N | .009600 | + .001300 | .311 | ---- | ---- | 1 | UNCH | .012900B | .003800 | |
| 720 | ---- | ---- | ---- | .00960N | .011100 | + .001500 | .349 | ---- | 5 | 127 | UNCH | .014200B | .004300 | |
| 725 | ---- | ---- | ---- | .01120N | .012800 | + .001600 | .391 | ---- | 11 | 72 | + 11 | .015600B | .004900 | |
| 730 | ---- | ---- | ---- | .01290N | .014700 | + .001800 | .434 | ---- | ---- | 155 | UNCH | .017200B | .005600 | |
| 735 | ---- | ---- | ---- | .01490N | .016900 | + .002000 | .479 | ---- | 5 | 16 | + 3 | .018900B | .006300 | |
| 740 | ---- | ---- | ---- | .01710N | .019300 | + .002200 | .526 | ---- | ---- | 22 | UNCH | .020700B | .006200 | |
| 745 | ---- | ---- | ---- | .01960N | .022000 | + .002400 | .572 | ---- | ---- | 65 | UNCH | .023400B | .007800 | |
| 750 | ---- | ---- | ---- | .02240N | .024900 | + .002500 | .618 | ---- | ---- | 775 | UNCH | .026500B | .007800 | |
| 755 | ---- | ---- | ---- | .02540N | .028100 | + .002700 | .662 | ---- | ---- | 71 | UNCH | .029800B | .009500 | |
| 760 | ---- | ---- | ---- | .02860N | .031600 | + .003000 | .703 | ---- | ---- | 21 | UNCH | .033300B | .009600 | |
| 765 | ---- | ---- | ---- | .03210N | .035200 | + .003100 | .742 | ---- | ---- | 73 | UNCH | .037000B | .011500 | |
| 770 | ---- | ---- | ---- | .03580N | .039100 | + .003300 | .777 | ---- | ---- | 30 | UNCH | .041000B | .011800 | |
| 775 | ---- | ---- | ---- | .03970N | .043100 | + .003400 | .808 | ---- | ---- | 4 | UNCH | .045100B | .013000 | |
| 780 | ---- | ---- | ---- | .04370N | .047300 | + .003600 | .836 | ---- | ---- | 3 | UNCH | .049300B | .014300 | |
| 785 | ---- | ---- | ---- | .04790N | .051600 | + .003700 | .862 | ---- | ---- | 11 | UNCH | .053700B | .015900 | |
| 790 | ---- | ---- | ---- | .05230N | .056000 | + .003700 | .883 | ---- | ---- | 20 | UNCH | .058200B | .017400 | |
| 800 | ---- | ---- | ---- | .06130N | .065100 | + .003800 | .917 | ---- | ---- | 1 | UNCH | .067400B | .021000 | |
| 805 | ---- | ---- | ---- | .06590N | .069800 | + .003900 | .931 | ---- | ---- | 1 | UNCH | .072100B | .023000 | |
| 820 | ---- | ---- | ---- | .08000N | .084100 | + .004100 | .960 | ---- | ---- | 4 | UNCH | .086400B | .032700 | |
| 825 | ---- | ---- | ---- | .08480N | .088900 | + .004100 | .966 | ---- | ---- | 6 | UNCH | .091200B | .035600 | |
| 830 | ---- | ---- | ---- | .08970N | .093800 | + .004100 | .971 | ---- | ---- | 4 | UNCH | .096100B | .038700 | |
| 835 | ---- | ---- | ---- | .09450N | .098600 | + .004100 | .976 | ---- | ---- | 3 | UNCH | .100600B | .056900 | |
| 840 | ---- | ---- | ---- | .09940N | .103500 | + .004100 | .979 | ---- | ---- | 16 | UNCH | .103800B | .061200 | |
| 845 | ---- | ---- | ---- | .10430N | .108400 | + .004100 | .982 | ---- | ---- | 2 | UNCH | .108700B | .065600 | |
| 850 | ---- | ---- | ---- | .10920N | .113300 | + .004100 | .985 | ---- | ---- | 2 | UNCH | .105600B | .070000 | |
| 855 | ---- | ---- | ---- | .11410N | .118300 | + .004200 | .985 | ---- | ---- | 2 | UNCH | .110500B | .074600 | |
| 860 | ---- | ---- | ---- | .11910N | .123200 | + .004100 | .988 | ---- | ---- | 1 | UNCH | .115300B | .079200 | |
| 865 | ---- | ---- | ---- | .12400N | .128100 | + .004100 | .988 | ---- | ---- | 2 | UNCH | .120200B | .083800 | |
| 870 | ---- | ---- | ---- | .12890N | .133100 | + .004200 | .991 | ---- | ---- | 3 | UNCH | .125100B | .088500 | |
| TOTAL | | | | | | | | | 58 | 2536 | + 37 | | | |
| MAR19 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 680 | ---- | ---- | ---- | .00510N | .005700 | + .000600 | .163 | ---- | 2 | 17 | + 2 | .006100 | .003800 | |
| 685 | ---- | ---- | ---- | .00580N | .006500 | + .000700 | .183 | ---- | ---- | 3 | UNCH | .006900B | .003900 | |
| 690 | ---- | ---- | ---- | .00650N | .007300 | + .000800 | .203 | ---- | 4 | 13 | + 4 | .007700B | .004100 | |
| 695 | ---- | ---- | ---- | .00740N | .008200 | + .000800 | .225 | ---- | ---- | 7 | UNCH | .008600B | .004200 | |
| 700 | ---- | ---- | ---- | .00830N | .009300 | + .001000 | .250 | ---- | ---- | 2 | UNCH | .009800 | .004600 | |
| 710 | ---- | ---- | ---- | .01060N | .011800 | + .001200 | .305 | ---- | ---- | 17 | UNCH | .012400B | .005700 | |
| 720 | ---- | ---- | ---- | .01340N | .014800 | + .001400 | .367 | ---- | ---- | 6 | UNCH | .015700B | .007000 | |
| 725 | ---- | ---- | ---- | .01510N | .016600 | + .001500 | .401 | ---- | ---- | 50 | UNCH | .017700B | .007800 | |
| 740 | ---- | ---- | ---- | .02140N | .023300 | + .001900 | .509 | ---- | 3 | 4 | + 3 | .024600B | .010600 | |
| 745 | ---- | ---- | ---- | .02390N | .026000 | + .002100 | .546 | ---- | ---- | 10 | UNCH | .027300B | .011800 | |
| 750 | ---- | ---- | ---- | .02660N | .028800 | + .002200 | .582 | ---- | ---- | 4 | UNCH | .030100B | .012900 | |
| 755 | ---- | ---- | ---- | .02940N | .031800 | + .002400 | .617 | ---- | ---- | 5 | UNCH | .033200B | .014100 | |
| 760 | ---- | ---- | ---- | .03240N | .035000 | + .002600 | .652 | ---- | ---- | 1 | UNCH | .036500B | .015400 | |
| 765 | ---- | ---- | ---- | .03560N | .038300 | + .002700 | .686 | ---- | ---- | 10 | UNCH | .040000B | .016800 | |
| 770 | ---- | ---- | ---- | .03900N | .041800 | + .002800 | .718 | ---- | ---- | 2 | UNCH | .043500B | .018400 | |
| 775 | ---- | ---- | ---- | .04260N | .045500 | + .002900 | .747 | ---- | ---- | 3 | UNCH | .047300B | .020000 | |
| 780 | ---- | ---- | ---- | .04630N | .049400 | + .003100 | .775 | ---- | ---- | 1 | UNCH | .051200B | .021900 | |
| TOTAL | | | | | | | | | 9 | 155 | + 9 | | | |
| JUN19 | ADU OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 715 | ---- | ---- | ---- | .01560N | .017000 | + .001400 | .350 | ---- | ---- | 10 | UNCH | .017200B | .010100 | |
| 720 | ---- | ---- | ---- | .01720N | .018600 | + .001400 | .377 | ---- | ---- | 5 | UNCH | .019000B | .011200 | |
| TOTAL | | | | | | | | | 0 | 15 | | | | |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT REFLECT CME REGULAR TRADING HOURS SESSION ONLY. VOLUME CLEARED REFLECTS REGULAR TRADING HOURS (RTH) AND CME GLOBEX® VOLUME FOR FUTURES, AND COMBINED VOLUME FOR OPTIONS. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE EURO FX = $6.25 CME$INDEX = $5.00. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### EURO FX AMERICAN & EURO & CME$INDEX CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|
| EURO FX FUT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 03/18 | 06/17 |
| EURO FX OPT (EUR) | 06/08 | 03/09 | | 09/07 | | | 12/07 | | | |

EXPIRATION:

### EURO FX AMERICAN & EURO & CME$INDEX OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | SEP18 | DEC18 |
|---|---|---|---|---|
| YT | 101.5-138.5 | 105.5-139.5 | 104.0-139.5 | 99.5-140.5 |

### EURO FX & CME$INDEX FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | 1.16650 | 1.16880 | 1.15590 | 1.15735 | ( .8640) - 94 | ---- | 2625 | 5749 + 720 | 1.25720B | 1.15365 |
| AUG18 | 1.16870 | 1.17020B | 1.15850 | 1.15975 | ( .8623) - 95 | ---- | 944 | 1627 + 77 | 1.25140B | 1.15620A |
| SEP18 | 1.17170 | 1.17445 | 1.16115 | 1.16280 | ( .8600) - 95 | 657 | 302196 | 471148 + 2782 | 1.27400 | 1.09010A |
| OCT18 | 1.17430 | 1.17450 | 1.16650 | 1.16550 | ( .8580) - 95 | ---- | 292 | 133 + 99 | 1.19220 | 1.16620 |
| DEC18 | 1.18100 | 1.18290 | 1.16970 | 1.17135 | ( .8537) - 95 | ---- | 636 | 4572 - 41 | 1.28355 | 1.09020 |
| MAR19 | 1.19165 | 1.19180B | 1.18095A | 1.18070 | ( .8470) - 96 | ---- | 25 | 865 + 9 | 1.29285 | 1.17665 |
| JUN19 | 1.19360 | 1.20025B | 1.18990A | 1.19020 | ( .8402) - 98 | ---- | 16 | 532 + 16 | 1.29400B | 1.18705A |
| SEP19 | ---- | ---- | 1.19950A | 1.20000 | ( .8333) - 98 | ---- | ---- | 383 UNCH | 1.30750 | 1.19700A |
| DEC19 | ---- | ---- | *1.21790A | 1.20980 | ( .8266) - 102 | ---- | ---- | 36 UNCH | 1.30000 | 1.21790A |
| TOTAL | | | | | | 657 | 306734 | 485045 + 3662 | | |

EURO FX (EU) FIXING PRICE: Oct18 1.1679500

### ADDITIONAL EURO FX & CME$INDEX -FUTURES-

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE RECIPROCAL | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| CHP FUT | | | | | | | | | | |
| JUL18 | .0015457 | .0015465B | .0015446A | ---- | )000125 | ---- | 7 | 100 UNCH | .0016229B | .0015298A |
| AUG18 | .0015468 | .0015468 | *.0015446A | ---- | )000126 | ---- | 7 | 254 + 7 | .0015943B | .0015446A |
| TOTAL CHP FUT | | | | | | 0 | 14 | 354 + 7 | | |
| CNH FUT | | | | | | | | | | |
| JUL18 | 6.6044 | #6.6288B | 6.5826A | ---- | 0.0335 | ---- | 30 | 85 + 6 | 6.6288B | 6.2686A |
| AUG18 | 6.5968 | #6.6365B | 6.5902A | ---- | 0.0346 | ---- | 74 | 45 + 30 | 6.6365B | 6.2837A |
| SEP18 | 6.600 | 6.6471B | 6.5998A | ---- | 0.0363 | ---- | 183 | 477 + 23 | 6.8368B | 6.2877A |
| DEC18 | ---- | 6.6606B | 6.6247A | ---- | 0.0376 | ---- | ---- | 47 UNCH | 7.1742B | 6.3105A |
| MAR19 | ---- | 6.6815B | 6.6459A | ---- | 0.0378 | ---- | ---- | 6 UNCH | 6.8428B | 6.3306A |
| SEP19 | ---- | 6.7263B | ---- | ---- | 0.0369 | ---- | ---- | 1 UNCH | 7.130B | 6.3798A |
| TOTAL CNH FUT | | | | | | 0 | 287 | 661 + 59 | | |
| INR/USD FUT | | | | | | | | | | |
| JUN18 | 146.110 | 146.250B | 145.860A | ---- | 0.330 | ---- | 116 | 750 - 14 | 149.790B | 145.180 |
| JUL18 | 145.600 | 145.640B | *144.320A | ---- | 0.930 | ---- | 4624 | 1080 + 493 | 148.750 | 144.320A |
| AUG18 | 143.710 | #143.710 | *143.710 | ---- | NEW | ---- | 1 | 1 + 1 | 143.710 | 143.710 |
| TOTAL INR/USD FUT | | | | | | 0 | 4741 | 1831 + 480 | | |
| MICRO INR/USD F | | | | | | | | | | |
| JUN18 | ---- | ---- | 145.870A | ---- | 0.330 | ---- | ---- | 55 UNCH | 149.800B | 145.170A |
| JUL18 | 145.450 | 145.660B | *144.330A | ---- | 0.930 | ---- | 323 | 585 + 148 | 148.750 | 144.330A |
| TOTAL MICRO INR/USD F | | | | | | 0 | 323 | 640 + 148 | | |

### EURO FX AMERICAN & EURO CALLS & PUTS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO FX C (EU) | | | | | | | | | | | | | |
| SEP18 | EURO FX C (EU) | | | | | | | | | | | | |
| 1210 | ---- | ---- | ---- | 3.30N | 2.10- | 12 | .113 | ---- | ---- | 5 | UNCH | 18.00 | 15.00 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| DEC18 | EURO FX C (EU) | | | | | | | | | | | | |
| 1205 | ---- | ---- | ---- | 13.20N | 10.20- | 30 | .289 | ---- | ---- | 1 | UNCH | 17.40 | 17.40 |
| 1220 | ---- | ---- | ---- | 8.90N | 6.70- | 22 | .209 | ---- | ---- | 1 | UNCH | 10.50 | 10.50 |
| TOTAL | | | | | | | | | 0 | 2 | | | |
| EURO FX P (EU) | | | | | | | | | | | | | |
| DEC18 | EURO FX P (EU) | | | | | | | | | | | | |
| 1120 | ---- | ---- | ---- | 6.50N | 8.00+ | 15 | .206 | ---- | ---- | 2 | UNCH | 4.00 | 4.00 |
| 1130 | ---- | ---- | ---- | 8.10N | 9.90+ | 18 | .248 | ---- | ---- | 2 | UNCH | 4.00 | 3.00 |
| 1200 | ---- | ---- | ---- | 33.90N | 40.10+ | 62 | .680 | ---- | ---- | 2 | UNCH | 14.40 | 14.40 |
| 1230 | ---- | ---- | ---- | 55.40N | 63.20+ | 78 | .832 | ---- | ---- | 1 | UNCH | 22.00 | 22.00 |
| TOTAL | | | | | | | | | 0 | 7 | | | |

** Option prices quoted per Daily Information Bulletin convention. For example, an Euro FX option price of 20.30 on this page is equivalent to 20.30 x 0.001 = 0.02030 when the price is quoted in full. The cash price of the option is 0.02030 x 125,000 (contract size) = $2,537.50.**

### ADDITIONAL EUROFX & CME$INDEX CALLS & PUTS **SETT. PRICE**

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2EU OPT | | | | | | | | | | | | |
| JUL18 | 2EU OPT | | | | | | | | | | | |
| 1070 | ---- | ---- | ---- | .10220N | .09270 - 0.00950 | .999 | ---- | ---- | 1 | UNCH | .10090B | .08840A |
| 1075 | ---- | ---- | ---- | .09720N | .08780 - 0.00940 | .998 | ---- | ---- | 1 | UNCH | .10050B | .08350A |
| 1090 | ---- | ---- | ---- | .08230N | .07280 - 0.00950 | .992 | ---- | ---- | 3 | UNCH | .10080B | .06860A |
| 1095 | ---- | ---- | ---- | .07730N | .06790 - 0.00940 | .991 | ---- | ---- | 8 | UNCH | .09770B | .06370A |
| 1100 | ---- | ---- | ---- | .07230N | .06290 - 0.00940 | .988 | ---- | ---- | 10 | UNCH | .09280B | .05880A |
| 1100 | ---- | ---- | ---- | .00010N | .00015 + 0.00005 | .011 | ---- | ---- | 3 | UNCH | .00045B | .00010A |
| 1105 | ---- | ---- | ---- | .06730N | .05800 - 0.00930 | .983 | ---- | ---- | 10 | UNCH | .08780B | .05390A |
| 1105 | ---- | ---- | ---- | .00010N | .00020 + 0.00010 | .016 | ---- | ---- | 2 | UNCH | .00050B | .00010A |
| 1110 | ---- | ---- | ---- | .06240N | .05300 - 0.00940 | .979 | ---- | ---- | 15 | UNCH | .08280B | .04900A |
| 1110 | ---- | ---- | ---- | .00015N | .00025 + 0.00010 | .020 | ---- | ---- | 29 | UNCH | .00070B | .00015A |
| 1115 | ---- | ---- | ---- | .05740N | .04810 - 0.00930 | .970 | ---- | ---- | 12 | UNCH | .07800B | .04430A |
| 1115 | ---- | ---- | ---- | .00020N | .00035 + 0.00015 | .029 | ---- | 52 | 105 + 52 | | .00090B | .00015A |
| 1120 | ---- | ---- | ---- | .05250N | .04330 - 0.00920 | .958 | ---- | 1 | 10 + 1 | | .07300B | .03960A |
| 1120 | ---- | ---- | ---- | .00025N | .00050 + 0.00025 | .041 | ---- | ---- | 40 | UNCH | .00120B | .00020A |
| 1125 | ---- | ---- | ---- | .04760N | .03850 - 0.00910 | .942 | ---- | ---- | 13 | UNCH | .06810B | .03500A |
| 1125 | ---- | ---- | ---- | .00035N | .00070 + 0.00035 | .057 | ---- | 35 | 15 - 34 | | .00160B | .00025A |
| 1130 | ---- | ---- | ---- | .00045N | .00100 + 0.00055 | .080 | ---- | ---- | 70 | UNCH | .00200B | .00030A |
| 1130 | ---- | ---- | ---- | .04270N | .03370 - 0.00900 | .919 | ---- | ---- | 14 | UNCH | .06320B | .03040A |
| 1135 | ---- | ---- | ---- | .03790N | .02910 - 0.00880 | .893 | ---- | ---- | 3 | UNCH | .05830B | .02610A |
| 1135 | ---- | ---- | ---- | .00060N | .00130 + 0.00070 | .106 | ---- | ---- | 48 | UNCH | .00270B | .00040A |
| 1140 | ---- | ---- | ---- | .03320N | .02460 - 0.00860 | .855 | ---- | ---- | 7 | UNCH | .05350B | .02200A |
| 1140 | ---- | ---- | ---- | .00090N | .00180 + 0.00090 | .144 | ---- | ---- | 76 | UNCH | .00350B | .00050A |
| 1145 | ---- | ---- | ---- | .02850N | .02040 - 0.00810 | .800 | ---- | ---- | 2 | UNCH | .04870B | .01810A |
| 1145 | ---- | ---- | ---- | .00130N | .00260 + 0.00130 | .199 | ---- | 35 | 297 + 27 | | .00450B | .00070A |
| 1150 | ---- | ---- | ---- | .00180N | .00360 + 0.00180 | .265 | ---- | 77 | 580 + 40 | | .00600B | .00090A |
| 1150 | ---- | ---- | ---- | .02410N | .01640 - 0.00770 | .734 | ---- | ---- | 6 | UNCH | .04400B | .01460A |
| 1155 | ---- | ---- | ---- | .01980N | .01270 - 0.00710 | .655 | ---- | ---- | 1 | UNCH | .03940B | .01140A |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin

*CME Group, Inc.*

*20 South Wacker Drive, Chicago, Illinois 60606-7499.*

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2EU OPT | | | | | | | | | | | | | | |
| | 2EU OPT | | | | | | | | | | | | | |
| 1155 | ---- | ---- | ---- | .00250N | .00490 | +0.00240 | .344 | ---- | 6 | 411 | + 6 | .00780B | .00110A |
| 1160 | ---- | ---- | ---- | .00350N | .00670 | +0.00320 | .439 | ---- | 7 | 227 | + 1 | .01010B | .00150A |
| 1160 | ---- | ---- | ---- | .01580N | .00950 | -0.00630 | .560 | ---- | 2 | 65 | + 2 | .03490B | .00860A |
| 1165 | ---- | ---- | ---- | .00490N | .00900 | +0.00410 | .542 | ---- | 126 | 170 | + 93 | .01280B | .00200A |
| 1165 | ---- | ---- | ---- | .01220N | .00680 | -0.00540 | .457 | ---- | 75 | 243 | + 48 | .03050B | .00630A |
| 1170 | ---- | ---- | ---- | .00680N | .01190 | +0.00510 | .645 | ---- | 148 | 253 | + 111 | .01600B | .00260A |
| 1170 | ---- | ---- | ---- | .00910N | .00470 | -0.00440 | .354 | ---- | 84 | 307 | + 83 | .02640B | .00430A |
| 1175 | ---- | ---- | ---- | .00650N | .00310 | -0.00340 | .260 | ---- | 2 | 230 | UNCH | .02260B | .00290A |
| 1175 | ---- | ---- | ---- | .00920N | .01530 | +0.00610 | .739 | ---- | ---- | 130 | UNCH | .01970B | .00350A |
| 1180 | ---- | ---- | ---- | .00450N | .00200 | -0.00250 | .182 | ---- | 3 | 226 | UNCH | .01900B | .00190A |
| 1180 | ---- | ---- | ---- | .01220N | .01920 | +0.00700 | .817 | ---- | ---- | 259 | UNCH | .02370B | .00470A |
| 1185 | ---- | ---- | ---- | .00300N | .00130 | -0.00170 | .125 | ---- | 17 | 110 | + 2 | .01580B | .00120A |
| 1185 | ---- | ---- | ---- | .01570N | .02350 | +0.00780 | .874 | ---- | 1 | 107 | UNCH | .02800B | .00620A |
| 1190 | ---- | ---- | ---- | .01960N | .02800 | +0.00840 | .918 | ---- | 1 | 105 | + 1 | .03250B | .00820A |
| 1190 | ---- | ---- | ---- | .00190N | .00080 | -0.00110 | .081 | ---- | ---- | 315 | UNCH | .01300B | .00080A |
| 1195 | ---- | ---- | ---- | .00130N | .00060 | -0.00070 | .060 | ---- | ---- | 143 | UNCH | .01050B | .00060A |
| 1195 | ---- | ---- | ---- | .02390N | .03270 | +0.00880 | .939 | ---- | ---- | 72 | UNCH | .03720B | .01050A |
| 1200 | ---- | ---- | ---- | .00080N | .00040 | -0.00040 | .040 | ---- | ---- | 266 | UNCH | .00840B | .00040A |
| 1200 | ---- | ---- | ---- | .02850N | .03760 | +0.00910 | .959 | ---- | ---- | 101 | UNCH | .04200B | .01330A |
| 1205 | ---- | ---- | ---- | .03320N | .04240 | +0.00920 | .974 | ---- | ---- | 6 | UNCH | .04680B | .01660A |
| 1205 | ---- | ---- | ---- | .00050N | .00025 | -0.00025 | .025 | ---- | ---- | 84 | UNCH | .00660B | .00030A |
| 1210 | ---- | ---- | ---- | .03800N | .04740 | +0.00940 | .979 | ---- | 1 | 46 | + 1 | .05180B | .02030A |
| 1210 | ---- | ---- | ---- | .00035N | .00020 | -0.00015 | .020 | ---- | ---- | 112 | UNCH | .00510B | .00025A |
| 1215 | ---- | ---- | ---- | .00025N | .00015 | -0.00010 | .014 | ---- | ---- | 55 | UNCH | .00400B | .00020A |
| 1215 | ---- | ---- | ---- | .04290N | .05230 | +0.00940 | .985 | ---- | ---- | 2 | UNCH | .05670B | .02430A |
| 1220 | ---- | ---- | ---- | .00015N | .00010 | -0.00005 | .009 | ---- | ---- | 39 | UNCH | .00300B | .00020A |
| 1225 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .009 | ---- | ---- | 186 | UNCH | .00230B | .00015A |
| 1225 | ---- | ---- | ---- | .05280N | .06220 | +0.00940 | .990 | ---- | ---- | 1 | UNCH | .06660B | .03310A |
| 1230 | ---- | ---- | ---- | .00010N | .00005 | -0.00005 | .004 | ---- | ---- | 100 | UNCH | .00180B | .00015A |
| 1230 | ---- | ---- | ---- | .05770N | .06720 | +0.00950 | .995 | ---- | ---- | 4 | UNCH | .07150B | .03780A |
| 1235 | ---- | ---- | ---- | .06270N | .07220 | +0.00950 | .997 | ---- | ---- | 6 | UNCH | .07650B | .04250A |
| 1235 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .002 | ---- | ---- | 19 | UNCH | .00130B | .00010A |
| 1240 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 53 | UNCH | .00100 | .00010A |
| 1240 | ---- | ---- | ---- | .06770N | .07720 | +0.00950 | .998 | ---- | ---- | 2 | UNCH | .08150B | .04730A |
| 1245 | ---- | ---- | ---- | .07270N | .08220 | +0.00950 | .999 | ---- | ---- | 9 | UNCH | .08640B | .05220A |
| 1245 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .000 | ---- | ---- | 1 | UNCH | .00080B | .00015A |
| 1250 | ---- | ---- | ---- | .07760N | .08710 | +0.00950 | .999 | ---- | ---- | 31 | UNCH | .09140B | .05710A |
| 1255 | ---- | ---- | ---- | .08260N | .09210 | +0.00950 | .999 | ---- | ---- | 29 | UNCH | .09640B | .06210A |
| 1260 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 35 | UNCH | .00035B | .00010A |
| 1260 | ---- | ---- | ---- | .08760N | .09710 | +0.00950 | .999 | ---- | ---- | 25 | UNCH | .10020B | .06700A |
| 1265 | ---- | ---- | ---- | .09260N | .10210 | +0.00950 | .999 | ---- | ---- | 11 | UNCH | .10070B | .07200A |
| 1270 | ---- | ---- | ---- | .09760N | .10710 | +0.00950 | .999 | ---- | ---- | 14 | UNCH | .10050B | .07690A |
| 1275 | ---- | ---- | ---- | .10260N | .11210 | +0.00950 | .999 | ---- | ---- | 4 | UNCH | .10090B | .08210A |
| 1280 | ---- | ---- | ---- | .10760N | .11710 | +0.00950 | 1.000 | ---- | ---- | 6 | UNCH | .10000B | .08700A |
| 1280 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | .00015B | .00005 |
| 1285 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | .00010B | .00005 |
| 1285 | ---- | ---- | ---- | .11260N | .12210 | +0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .10290B | .09200A |
| 1290 | ---- | ---- | ---- | .11760N | .12710 | +0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .10100B | .09700A |
| 1305 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 68 | UNCH | .00005 | .00005 |
| TOTAL | | | | | | | | | 673 | 6126 | + 434 | | |
| 3EU OPT | | | | | | | | | | | | | |
| JUL18 | 3EU OPT | | | | | | | | | | | | |
| 1065 | ---- | ---- | ---- | .10720N | .09770 | -0.00950 | .998 | ---- | ---- | 2 | UNCH | .10130B | .09340A |
| 1070 | ---- | ---- | ---- | .10220N | .09270 | -0.00950 | .997 | ---- | ---- | 1 | UNCH | .10080B | .08840A |
| 1075 | ---- | ---- | ---- | .09720N | .08780 | -0.00940 | .996 | ---- | ---- | 3 | UNCH | .10050B | .08350A |
| 1080 | ---- | ---- | ---- | .09220N | .08280 | -0.00940 | .992 | ---- | ---- | 3 | UNCH | .09840B | .07860A |
| 1085 | ---- | ---- | ---- | .08720N | .07780 | -0.00940 | .992 | ---- | ---- | 4 | UNCH | .09340B | .07360A |
| 1090 | ---- | ---- | ---- | .08230N | .07290 | -0.00940 | .988 | ---- | ---- | 4 | UNCH | .08850B | .06870A |
| 1095 | ---- | ---- | ---- | .07730N | .06790 | -0.00940 | .985 | ---- | ---- | 2 | UNCH | .08350B | .06380A |
| 1100 | ---- | ---- | ---- | .07230N | .06300 | -0.00930 | .981 | ---- | ---- | 1 | UNCH | .07850B | .05900A |
| 1100 | ---- | ---- | ---- | .00015N | .00025 | +0.00010 | .018 | ---- | ---- | 18 | UNCH | .00060B | .00015A |
| 1105 | ---- | ---- | ---- | .06740N | .05810 | -0.00930 | .973 | ---- | ---- | 2 | UNCH | .07360B | .05410A |
| 1115 | ---- | ---- | ---- | .00030N | .00060 | NEW | .044 | ---- | 9 | 9 | + 9 | .00130B | .00030A |
| 1120 | ---- | ---- | ---- | .00040N | .00080 | +0.00040 | .059 | ---- | 35 | 50 | UNCH | .00170 | .00035A |
| 1125 | ---- | ---- | ---- | .00050N | .00100 | +0.00050 | .075 | ---- | ---- | 80 | UNCH | .00210B | .00050A |
| 1130 | ---- | ---- | ---- | .00070N | .00140 | +0.00070 | .102 | ---- | ---- | 209 | UNCH | .00260B | .00060A |
| 1135 | ---- | ---- | ---- | .03830N | .02960 | -0.00870 | .864 | ---- | ---- | 4 | UNCH | .04470B | .02690A |
| 1135 | ---- | ---- | ---- | .00100N | .00190 | +0.00090 | .135 | ---- | ---- | 138 | UNCH | .00340B | .00080A |
| 1140 | ---- | ---- | ---- | .00140N | .00250 | +0.00110 | .174 | ---- | 5 | 491 | UNCH | .00430B | .00110A |
| 1145 | ---- | ---- | ---- | .00180N | .00340 | +0.00160 | .227 | ---- | ---- | 213 | UNCH | .00550B | .00140A |
| 1150 | ---- | ---- | ---- | .02480N | .01730 | -0.00750 | .710 | ---- | ---- | 4 | UNCH | .03070B | .01560A |
| 1150 | ---- | ---- | ---- | .00250N | .00450 | +0.00200 | .289 | ---- | ---- | 146 | UNCH | .00710B | .00190A |
| 1155 | ---- | ---- | ---- | .00340N | .00600 | +0.00260 | .363 | ---- | ---- | 8 | UNCH | .00900B | .00250A |
| 1160 | ---- | ---- | ---- | .01680N | .01060 | -0.00620 | .553 | ---- | ---- | 18 | UNCH | .02220B | .00980A |
| 1160 | ---- | ---- | ---- | .00450N | .00780 | +0.00330 | .446 | ---- | ---- | 73 | UNCH | .01130B | .00340A |
| 1165 | ---- | ---- | ---- | .01330N | .00800 | -0.00530 | .464 | ---- | ---- | 183 | UNCH | .01830B | .00740A |
| 1165 | ---- | ---- | ---- | .00600N | .01020 | +0.00420 | .535 | ---- | ---- | 430 | UNCH | .01400B | .00450A |
| 1170 | ---- | ---- | ---- | .01020N | .00580 | -0.00440 | .374 | ---- | 285 | 583 | + 176 | .01470B | .00530A |
| 1170 | ---- | ---- | ---- | .00790N | .01300 | +0.00510 | .625 | ---- | 19 | 259 | + 19 | .01700B | .00590A |
| 1175 | ---- | ---- | ---- | .01030N | .01630 | +0.00600 | .708 | ---- | 9 | 136 | - 8 | .02060B | .00770A |
| 1175 | ---- | ---- | ---- | .00760N | .00410 | -0.00350 | .291 | ---- | 68 | 374 | + 52 | .01160B | .00380A |
| 1180 | ---- | ---- | ---- | .00550N | .00280 | -0.00270 | .217 | ---- | ---- | 236 | UNCH | .00880B | .00260A |
| 1180 | ---- | ---- | ---- | .01320N | .02000 | +0.00680 | .782 | ---- | 3 | 65 | + 3 | .02440B | .00990A |
| 1185 | ---- | ---- | ---- | .00390N | .00190 | -0.00200 | .158 | ---- | ---- | 175 | UNCH | .00650B | .00180A |
| 1190 | ---- | ---- | ---- | .02030N | .02840 | +0.00810 | .886 | ---- | ---- | 4 | UNCH | .03300B | .01570A |
| 1190 | ---- | ---- | ---- | .00260N | .00130 | -0.00130 | .113 | ---- | 5 | 840 | UNCH | .00470B | .00120A |
| 1195 | ---- | ---- | ---- | .00180N | .00090 | -0.00090 | .081 | ---- | 10 | 335 | UNCH | .00330B | .00090A |
| 1200 | ---- | ---- | ---- | .00120N | .00060 | -0.00060 | .056 | ---- | ---- | 103 | UNCH | .00220B | .00060A |
| 1205 | ---- | ---- | ---- | .00080N | .00040 | -0.00040 | .038 | ---- | 25 | 126 | UNCH | .00150 | .00045A |
| 1210 | ---- | ---- | ---- | .00050N | .00030 | -0.00020 | .028 | ---- | ---- | 57 | UNCH | .00100B | .00035A |
| 1210 | ---- | ---- | ---- | .03820N | .04740 | NEW | .971 | ---- | 1 | 1 | + 1 | .05190B | .03210A |
| 1215 | ---- | ---- | ---- | .00040N | .00025 | -0.00015 | .023 | ---- | ---- | 35 | UNCH | .00070B | .00030A |
| 1225 | ---- | ---- | ---- | .00020N | .00015 | -0.00005 | .013 | ---- | ---- | 54 | UNCH | .00040 | .00025A |
| 1235 | ---- | ---- | ---- | .06280N | .07220 | +0.00940 | .995 | ---- | 1 | 1 | - 1 | .07650B | .05660A |
| 1240 | ---- | ---- | ---- | .06770N | .07720 | +0.00950 | .997 | ---- | ---- | 2 | UNCH | .08150B | .06150A |
| 1250 | ---- | ---- | ---- | .07770N | .08710 | +0.00940 | .999 | ---- | ---- | 1 | UNCH | .09140B | .07140A |
| 1255 | ---- | ---- | ---- | .08270N | .09210 | +0.00940 | .999 | ---- | ---- | 1 | UNCH | .09640B | .07640A |
| 1270 | ---- | ---- | ---- | .09760N | .10710 | +0.00950 | .999 | ---- | ---- | 1 | UNCH | .10040B | .09130A |
| 1280 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | ---- | 29 | UNCH | .00005 | .00005 |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .00005 | .00005 |
| TOTAL | | | | | | | | | 475 | 5632 | + 251 | | |
| 4EU OPT | | | | | | | | | | | | | |
| JUL18 | 4EU OPT | | | | | | | | | | | | |
| 1075 | ---- | ---- | ---- | .09720N | .08780 | NEW | .992 | ---- | 1 | 1 | + 1 | .09530B | .08630A |
| 1085 | ---- | ---- | ---- | .08730N | .07790 | -0.00940 | .986 | ---- | ---- | 1 | UNCH | .09320B | .07650A |
| 1105 | ---- | ---- | ---- | .06750N | .05830 | NEW | .960 | ---- | 1 | 1 | + 1 | .07340B | .05690A |
| 1140 | ---- | ---- | ---- | .00200N | .00340 | NEW | .203 | ---- | 13 | 8 | + 8 | .00360B | .00160A |
| 1155 | ---- | ---- | ---- | .00440N | .00720 | +0.00280 | .378 | ---- | ---- | 25 | UNCH | .00770B | .00340A |
| 1160 | ---- | ---- | ---- | .00570N | .00910 | +0.00340 | .452 | ---- | 30 | 172 | UNCH | .00970B | .00430A |
| 1160 | ---- | ---- | ---- | .01800N | .01190 | -0.00610 | .547 | ---- | ---- | 1 | UNCH | .02280B | .01120A |
| 1165 | ---- | ---- | ---- | .00730N | .01140 | NEW | .530 | ---- | 67 | 67 | + 67 | .01220B | .00560A |
| 1165 | ---- | ---- | ---- | .01460N | .00920 | -0.00540 | .469 | ---- | 69 | 82 | + 69 | .01900B | .00860A |
| 1170 | ---- | ---- | ---- | .01160N | .00700 | -0.00460 | .391 | ---- | 29 | 38 | + 19 | .01560B | .00650A |
| 1170 | ---- | ---- | ---- | .00930N | .01420 | +0.00490 | .608 | ---- | 26 | 79 | + 17 | .01500B | .00710A |
| 1175 | ---- | ---- | ---- | .01170N | .01730 | +0.00560 | .685 | ---- | ---- | 92 | UNCH | .01830B | .00890A |
| 1175 | ---- | ---- | ---- | .00900N | .00510 | -0.00390 | .314 | ---- | 66 | 143 | + 66 | .01280B | .00480A |
| 1180 | ---- | ---- | ---- | .01440N | .02090 | +0.00650 | .753 | ---- | 19 | 27 | + 19 | .02200B | .01130A |
| 1180 | ---- | ---- | ---- | .00680N | .00370 | -0.00310 | .247 | ---- | 5 | 96 | + 5 | .01010B | .00350A |
| 1190 | ---- | ---- | ---- | .00360N | .00180 | -0.00180 | .138 | ---- | 41 | 38 | + 36 | .00590B | .00180A |
| 1195 | ---- | ---- | ---- | .00260N | .00130 | -0.00130 | .103 | ---- | 45 | 120 | + 15 | .00430B | .00130A |
| 1200 | ---- | ---- | ---- | .00180N | .00090 | -0.00090 | .074 | ---- | ---- | 156 | UNCH | .00310B | .00090A |
| 1205 | ---- | ---- | ---- | .00130N | .00070 | NEW | .058 | ---- | 42 | 42 | + 42 | .00220B | .00070A |
| 1210 | ---- | ---- | ---- | .00090N | .00050 | -0.00040 | .042 | ---- | ---- | 72 | UNCH | .00160B | .00060A |
| 1215 | ---- | ---- | ---- | .04330N | .05250 | +0.00920 | .966 | ---- | ---- | 1 | UNCH | .05390B | .03790A |
| 1225 | ---- | ---- | ---- | .05300N | .06230 | NEW | .982 | ---- | 1 | 1 | + 1 | .06370B | .04730A |
| 1240 | ---- | ---- | ---- | .06780N | .07720 | +0.00940 | .991 | ---- | 1 | 2 | + 1 | .07860B | .06190A |
| 1265 | ---- | ---- | ---- | .09260N | .10210 | +0.00950 | .998 | ---- | ---- | 1 | UNCH | .09990B | .08660A |
| 1280 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | 29 | 58 | + 29 | .00005 | .00005 |
| TOTAL | | | | | | | | | 485 | 1324 | + 396 | | |
| 5EU OPT | | | | | | | | | | | | | |
| JUN18 | 5EU OPT | | | | | | | | | | | | |
| 1060 | ---- | ---- | ---- | .11230N | .10280 | -0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .11850B | .09840A |
| 1065 | ---- | ---- | ---- | .10730N | .09780 | NEW | 1.000 | ---- | 1 | 1 | + 1 | .11350B | .09340A |
| 1070 | ---- | ---- | ---- | .10230N | .09280 | NEW | 1.000 | ---- | 1 | 1 | + 1 | .10850B | .08840A |
| 1080 | ---- | ---- | ---- | .09230N | .08280 | -0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .10120B | .07840A |
| 1085 | ---- | ---- | ---- | .08730N | .07780 | -0.00950 | 1.000 | ---- | 3 | 5 | + 3 | .10090B | .07340A |
| 1090 | ---- | ---- | ---- | .08230N | .07280 | -0.00950 | 1.000 | ---- | 1 | 3 | + 1 | .10090B | .06840A |
| 1095 | ---- | ---- | ---- | .07730N | .06780 | -0.00950 | 1.000 | ---- | ---- | 5 | UNCH | .09780B | .06350A |
| 1100 | ---- | ---- | ---- | .07230N | .06280 | -0.00950 | 1.000 | ---- | 1 | 5 | UNCH | .09280B | .05850A |
| 1100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1000 | UNCH | ---- | .00015A |
| 1105 | ---- | ---- | ---- | .06730N | .05780 | -0.00950 | 1.000 | ---- | 1 | 2 | UNCH | .08780B | .05350A |
| 1110 | ---- | ---- | ---- | .06230N | .05280 | -0.00950 | .999 | ---- | 1 | 7 | + 1 | .08280B | .04860A |
| 1115 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 46 | UNCH | .00030B | .00010A |

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# EURO FX & CME$INDEX OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*



## FINAL



5EU OPT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5EU OPT | | | | | | | | | | | | | |
| 1115 | ---- | ---- | ---- | .05730N | .04780 | - 0.00950 | .999 | ---- | 1 | 6 | + 1 | .07790B | .04360A |
| 1120 | ---- | ---- | ---- | .05230N | .04280 | - 0.00950 | .999 | ---- | ---- | 4 | UNCH | .07290B | .03870A |
| 1120 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 1000 | UNCH | .00180B | .00005A |
| 1125 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .001 | ---- | ---- | 80 | UNCH | .00240B | .00005A |
| 1125 | ---- | ---- | ---- | .04730N | .03780 | - 0.00950 | .998 | ---- | 1 | 5 | + 1 | .06790B | .03380A |
| 1130 | ---- | ---- | ---- | .04230N | .03290 | - 0.00940 | .995 | ---- | 1 | 52 | UNCH | .06300B | .02900A |
| 1130 | ---- | ---- | ---- | ---- | .00010 | + 0.00010 | .004 | ---- | ---- | 81 | UNCH | .00300B | .00005A |
| 1135 | ---- | ---- | ---- | ---- | .00015 | + 0.00015 | .009 | ---- | ---- | 307 | UNCH | .00380B | .00005 |
| 1135 | ---- | ---- | ---- | .03730N | .02790 | - 0.00940 | .990 | ---- | ---- | 4 | UNCH | .05810B | .02430A |
| 1140 | ---- | ---- | ---- | .00005N | .00025 | + 0.00020 | .018 | ---- | 144 | 256 | + 46 | .00470B | .00010 |
| 1140 | ---- | ---- | ---- | .03230N | .02300 | - 0.00930 | .981 | ---- | 16 | 45 | UNCH | .05320B | .01980A |
| 1145 | ---- | ---- | ---- | .02740N | .01820 | - 0.00920 | .958 | ---- | 1 | 11 | UNCH | .04830B | .01550A |
| 1145 | ---- | ---- | ---- | .00010N | .00045 | + 0.00035 | .041 | ---- | 190 | 519 | - 16 | .00590B | .00015 |
| 1150 | ---- | ---- | ---- | .02250N | .01360 | - 0.00890 | .911 | ---- | ---- | 58 | UNCH | .04350B | .01150A |
| 1150 | ---- | ---- | ---- | .00025N | .00080 | + 0.00055 | .088 | ---- | 356 | 627 | + 208 | .00740B | .00020 |
| 1155 | ---- | ---- | ---- | .00045N | .00150 | + 0.00105 | .188 | ---- | 452 | 1512 | + 107 | .00910B | .00035 |
| 1155 | ---- | ---- | ---- | .01780N | .00930 | - 0.00850 | .811 | ---- | ---- | 8 | UNCH | .03870B | .00810A |
| 1160 | ---- | ---- | ---- | .00090N | .00280 | + 0.00190 | .366 | ---- | 705 | 3532 | + 480 | .01120B | .00060A |
| 1160 | ---- | ---- | ---- | .01320N | .00560 | - 0.00760 | .633 | ---- | 285 | 738 | + 284 | .03410B | .00470A |
| 1165 | ---- | ---- | ---- | .00890N | .00280 | - 0.00610 | .389 | ---- | 249 | 1052 | + 44 | .02950B | .00230A |
| 1165 | ---- | ---- | ---- | .00160N | .00500 | + 0.00340 | .610 | ---- | 240 | 2609 | + 117 | .01350B | .00090A |
| 1170 | ---- | ---- | ---- | .00530N | .00120 | - 0.00410 | .175 | ---- | 1116 | 2013 | + 281 | .02530B | .00110 |
| 1170 | ---- | ---- | ---- | .00300N | .00840 | + 0.00540 | .825 | ---- | 270 | 1430 | - 24 | .01620B | .00130A |
| 1175 | ---- | ---- | ---- | .00540N | .01260 | + 0.00720 | .941 | ---- | 49 | 1239 | - 13 | .01940B | .00190A |
| 1175 | ---- | ---- | ---- | .00270N | .00045 | - 0.00225 | .058 | ---- | 328 | 1539 | + 63 | .02120B | .00040 |
| 1180 | ---- | ---- | ---- | .00890N | .01730 | + 0.00840 | .984 | ---- | 6 | 122 | - 4 | .02280B | .00280A |
| 1180 | ---- | ---- | ---- | .00120N | .00015 | - 0.00105 | .015 | ---- | 297 | 1156 | + 43 | .01750B | .00015 |
| 1185 | ---- | ---- | ---- | .01320N | .02220 | + 0.00900 | .996 | ---- | 3 | 76 | - 1 | .02680B | .00410A |
| 1185 | ---- | ---- | ---- | .00050N | .00005 | - 0.00045 | .003 | ---- | 102 | 1023 | + 49 | .01420B | .00010 |
| 1190 | ---- | ---- | ---- | .01790N | .02720 | + 0.00930 | .999 | ---- | 18 | 86 | + 10 | .03170B | .00590A |
| 1190 | ---- | ---- | ---- | .00020N | CAB | ---- | .000 | ---- | 90 | 693 | + 4 | .01130B | .00005 |
| 1195 | ---- | ---- | ---- | .00010N | CAB | ---- | .000 | ---- | 6 | 524 | - 6 | .00880B | .00005A |
| 1195 | ---- | ---- | ---- | .02280N | .03220 | + 0.00940 | .999 | ---- | 6 | 52 | + 6 | .03660B | .00830A |
| 1200 | ---- | ---- | ---- | .00005N | CAB | ---- | ---- | ---- | ---- | 159 | UNCH | .00670B | .00005 |
| 1200 | ---- | ---- | ---- | .02770N | .03720 | + 0.00950 | 1.000 | ---- | ---- | 46 | UNCH | .04160B | .01130A |
| 1205 | ---- | ---- | ---- | .03270N | .04220 | + 0.00950 | 1.000 | ---- | 6 | 9 | + 6 | .04660B | .01480A |
| 1205 | ---- | ---- | ---- | .00005N | CAB | ---- | ---- | ---- | ---- | 90 | UNCH | .00510B | .00005A |
| 1210 | ---- | ---- | ---- | .03770N | .04720 | + 0.00950 | 1.000 | ---- | 1 | 47 | + 1 | .05160B | .01880A |
| 1210 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 86 | UNCH | .00380B | .00005A |
| 1215 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 46 | UNCH | .00280B | .00020A |
| 1215 | ---- | ---- | ---- | .04270N | .05220 | + 0.00950 | 1.000 | ---- | ---- | 3 | UNCH | .05650B | .02310A |
| 1220 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 154 | UNCH | .00200B | .00005 |
| 1220 | ---- | ---- | ---- | .04770N | .05720 | + 0.00950 | 1.000 | ---- | ---- | 2 | UNCH | .06150B | .02770A |
| 1225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 92 | UNCH | .00150B | .00010A |
| 1225 | ---- | ---- | ---- | .05270N | .06220 | + 0.00950 | 1.000 | ---- | 1 | 2 | + 1 | .06650B | .03240A |
| 1230 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 281 | UNCH | .00110B | .00010A |
| 1230 | ---- | ---- | ---- | .05770N | .06720 | + 0.00950 | 1.000 | ---- | ---- | 2 | UNCH | .07150B | .03730A |
| 1235 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 65 | UNCH | .00080 | .00010 |
| 1235 | ---- | ---- | ---- | .06270N | .07220 | + 0.00950 | 1.000 | ---- | ---- | 6 | UNCH | .07650B | .04220A |
| 1240 | ---- | ---- | ---- | .06770N | .07720 | + 0.00950 | 1.000 | ---- | ---- | 4 | UNCH | .08150B | .04710A |
| 1245 | ---- | ---- | ---- | .07270N | .08220 | + 0.00950 | 1.000 | ---- | ---- | 11 | UNCH | .08650B | .05200A |
| 1250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 17 | UNCH | .00035 | .00005A |
| 1250 | ---- | ---- | ---- | .07770N | .08720 | + 0.00950 | 1.000 | ---- | ---- | 9 | UNCH | .09150B | .05700A |
| 1255 | ---- | ---- | ---- | .08270N | .09220 | + 0.00950 | 1.000 | ---- | 1 | 7 | + 1 | .09650B | .06230A |
| 1260 | ---- | ---- | ---- | .08770N | .09720 | + 0.00950 | 1.000 | ---- | 1 | 16 | + 1 | .10030B | .06720A |
| 1265 | ---- | ---- | ---- | .09270N | .10220 | + 0.00950 | 1.000 | ---- | 2 | 8 | + 1 | .10360B | .07220A |
| 1270 | ---- | ---- | ---- | .09770N | .10720 | + 0.00950 | 1.000 | ---- | 3 | 7 | + 3 | .10860B | .07710A |
| 1275 | ---- | ---- | ---- | .10270N | .11220 | + 0.00950 | 1.000 | ---- | 2 | 3 | + 2 | .11360B | .08210A |
| 1280 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 64 | UNCH | .00010 | .00005 |
| 1280 | ---- | ---- | ---- | .10770N | .11720 | + 0.00950 | 1.000 | ---- | 3 | 4 | + 3 | .11860B | .08700A |
| 1285 | ---- | ---- | ---- | .11270N | .12220 | + 0.00950 | 1.000 | ---- | 1 | 2 | + 1 | .12360B | .09200A |
| 1290 | ---- | ---- | ---- | .11770N | .12720 | + 0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .12860B | .09700A |
| 1295 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 74 | UNCH | .00005 | .00005 |
| 1295 | ---- | ---- | ---- | .12270N | .13220 | + 0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .13360B | .11640A |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 38 | UNCH | .00005 | .00005 |
| 1320 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 36 | UNCH | .00005 | .00005 |
| 1355 | ---- | ---- | ---- | .18270N | .19220 | + 0.00950 | 1.000 | ---- | ---- | 3 | UNCH | .19360B | .17640A |
| 1360 | ---- | ---- | ---- | .18770N | .19720 | + 0.00950 | 1.000 | ---- | ---- | 3 | UNCH | .19860B | .18140A |
| 1365 | ---- | ---- | ---- | .19270N | .20220 | + 0.00950 | 1.000 | ---- | ---- | 2 | UNCH | .20360B | .18640A |
| 1370 | ---- | ---- | ---- | .19770N | .20720 | NEW | 1.000 | ---- | 2 | 2 | + 2 | .20860B | .19140A |
| 1375 | ---- | ---- | ---- | .20270N | .21220 | + 0.00950 | 1.000 | ---- | 1 | 2 | + 1 | .21360B | .19640A |
| 1380 | ---- | ---- | ---- | .20770N | .21720 | + 0.00950 | 1.000 | ---- | 1 | 2 | + 1 | .21860B | .20140A |
| 1385 | ---- | ---- | ---- | .21270N | .22220 | + 0.00950 | 1.000 | ---- | 2 | 3 | + 2 | .22360B | .20640A |
| 1390 | ---- | ---- | ---- | .21770N | .22720 | + 0.00950 | 1.000 | ---- | 2 | 4 | + 2 | .22860B | .21140A |
| 1395 | ---- | ---- | ---- | .22270N | .23220 | + 0.00950 | 1.000 | ---- | 1 | 3 | + 1 | .23360B | .21410A |
| TOTAL | | | | | | | | | 4971 | 24952 | + 1716 | | |

EUU OPT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | EUU OPT | | | | | | | | | | | | | |
| 1050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 1055 | ---- | ---- | ---- | .11720N | .10770 | - 0.00950 | 1.000 | ---- | ---- | 9 | UNCH | .11230B | .10690A |
| 1060 | ---- | ---- | ---- | .11220N | .10270 | - 0.00950 | 1.000 | ---- | ---- | 39 | UNCH | .12040B | .09840A |
| 1060 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 42 | UNCH | .00020B | .00005A |
| 1065 | ---- | ---- | ---- | .10720N | .09770 | - 0.00950 | 1.000 | ---- | ---- | 51 | UNCH | .10570B | .09340A |
| 1065 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 36 | UNCH | .00025 | .00010A |
| 1070 | ---- | ---- | ---- | .10220N | .09280 | - 0.00940 | .999 | ---- | ---- | 85 | UNCH | .11490B | .08840A |
| 1070 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 133 | UNCH | .00030B | .00005 |
| 1075 | ---- | ---- | ---- | .09720N | .08780 | - 0.00940 | .999 | ---- | ---- | 123 | UNCH | .11490B | .08340A |
| 1075 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 38 | UNCH | .00035B | .00005 |
| 1080 | ---- | ---- | ---- | .09220N | .08280 | - 0.00940 | .999 | ---- | ---- | 76 | UNCH | .11720B | .07840A |
| 1080 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 11 | UNCH | .00040B | .00005A |
| 1085 | ---- | ---- | ---- | .08730N | .07780 | - 0.00950 | .999 | ---- | ---- | 104 | UNCH | .16410B | .07350A |
| 1085 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 76 | UNCH | .00050B | .00005A |
| 1090 | ---- | ---- | ---- | .08230N | .07280 | - 0.00950 | .999 | ---- | ---- | 57 | UNCH | .11100B | .06850A |
| 1090 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 109 | UNCH | .00060 | .00005A |
| 1095 | ---- | ---- | ---- | .07730N | .06780 | - 0.00950 | .998 | ---- | ---- | 23 | UNCH | .10940B | .06360A |
| 1095 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .001 | ---- | 102 | 212 | + 102 | .00080B | .00005 |
| 1100 | ---- | ---- | ---- | .07230N | .06280 | - 0.00950 | .997 | ---- | ---- | 78 | UNCH | .17320B | .05860A |
| 1100 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .002 | ---- | ---- | 167 | UNCH | .00100 | .00005 |
| 1105 | ---- | ---- | ---- | .06730N | .05780 | - 0.00950 | .995 | ---- | ---- | 50 | UNCH | .16830B | .05370A |
| 1105 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .004 | ---- | ---- | 94 | UNCH | .00120 | .00005 |
| 1110 | ---- | ---- | ---- | .06230N | .05290 | - 0.00940 | .991 | ---- | ---- | 74 | UNCH | .16330B | .04880A |
| 1110 | ---- | ---- | ---- | .00005N | .00010 | + 0.00005 | .008 | ---- | ---- | 413 | UNCH | .00160 | .00005 |
| 1115 | ---- | ---- | ---- | .05730N | .04790 | - 0.00940 | .986 | ---- | 1 | 84 | - 1 | .15840B | .04390A |
| 1115 | ---- | ---- | ---- | .00005N | .00015 | + 0.00010 | .013 | ---- | ---- | 325 | UNCH | .00190 | .00005A |
| 1120 | ---- | ---- | ---- | .05230N | .04300 | - 0.00930 | .981 | ---- | 3 | 32 | + 2 | .15350B | .03910A |
| 1120 | ---- | ---- | ---- | .00005N | .00020 | + 0.00015 | .018 | ---- | 108 | 534 | - 96 | .00240 | .00005 |
| 1125 | ---- | ---- | ---- | .04740N | .03810 | - 0.00930 | .971 | ---- | 2 | 62 | + 2 | .14860B | .03430A |
| 1125 | ---- | ---- | ---- | .00010N | .00030 | + 0.00020 | .028 | ---- | 169 | 1734 | - 29 | .00310 | .00010 |
| 1130 | ---- | ---- | ---- | .04240N | .03320 | - 0.00920 | .956 | ---- | ---- | 98 | UNCH | .14370B | .02970A |
| 1130 | ---- | ---- | ---- | .00015N | .00045 | + 0.00030 | .043 | ---- | 20 | 715 | + 1 | .00370 | .00010 |
| 1135 | ---- | ---- | ---- | .03750N | .02850 | - 0.00900 | .932 | ---- | ---- | 27 | UNCH | .13890B | .02520A |
| 1135 | ---- | ---- | ---- | .00025N | .00070 | + 0.00045 | .067 | ---- | 22 | 1164 | + 9 | .00460B | .00020 |
| 1140 | ---- | ---- | ---- | .03270N | .02380 | - 0.00890 | .896 | ---- | 18 | 52 | - 13 | .13400B | .02090A |
| 1140 | ---- | ---- | ---- | .00040N | .00110 | + 0.00070 | .103 | ---- | 525 | 2016 | + 325 | .00570B | .00030 |
| 1145 | ---- | ---- | ---- | .02790N | .01940 | - 0.00850 | .849 | ---- | ---- | 22 | UNCH | .12920B | .01690A |
| 1145 | ---- | ---- | ---- | .00060N | .00160 | + 0.00100 | .150 | ---- | 253 | 2258 | + 105 | .00690B | .00040A |
| 1150 | ---- | ---- | ---- | .02320N | .01520 | - 0.00800 | .780 | ---- | ---- | 130 | UNCH | .12430B | .01320A |
| 1150 | ---- | ---- | ---- | .00100N | .00240 | + 0.00140 | .219 | ---- | 1080 | 3580 | - 784 | .00840B | .00025A |
| 1155 | ---- | ---- | ---- | .01880N | .01140 | - 0.00740 | .687 | ---- | 7 | 130 | + 1 | .11950B | .00990A |
| 1155 | ---- | ---- | ---- | .00150N | .00360 | + 0.00210 | .312 | ---- | 1244 | 4968 | + 410 | .01010B | .00030A |
| 1160 | ---- | ---- | ---- | .01460N | .00810 | - 0.00650 | .573 | ---- | 173 | 1038 | + 168 | .11470B | .00720A |
| 1160 | ---- | ---- | ---- | .00230N | .00530 | + 0.00300 | .426 | ---- | 637 | 2703 | - 44 | .01250 | .00035A |
| 1165 | ---- | ---- | ---- | .01080N | .00540 | - 0.00540 | .445 | ---- | 75 | 1108 | + 18 | .10990B | .00470 |
| 1165 | ---- | ---- | ---- | .00350N | .00760 | + 0.00410 | .554 | ---- | 332 | 2723 | + 93 | .01490 | .00040A |
| 1170 | ---- | ---- | ---- | .00760N | .00340 | - 0.00420 | .319 | ---- | 338 | 1492 | + 51 | .10520B | .00300A |
| 1170 | ---- | ---- | ---- | .00530N | .01060 | + 0.00530 | .680 | ---- | 340 | 2898 | - 6 | .01740B | .00070 |
| 1175 | ---- | ---- | ---- | .00500N | .00200 | - 0.00300 | .209 | ---- | 553 | 3192 | + 181 | .10040B | .00180A |
| 1175 | ---- | ---- | ---- | .00770N | .01420 | + 0.00650 | .790 | ---- | 22 | 3524 | - 3 | .02050B | .00050 |
| 1180 | ---- | ---- | ---- | .00310N | .00120 | - 0.00190 | .133 | ---- | 939 | 2606 | - 164 | .09580B | .00110 |
| 1180 | ---- | ---- | ---- | .01080N | .01840 | + 0.00760 | .866 | ---- | 18 | 2409 | + 3 | .02390B | .00070A |
| 1185 | ---- | ---- | ---- | .00180N | .00070 | - 0.00110 | .080 | ---- | 538 | 3216 | + 389 | .09110B | .00060 |
| 1185 | ---- | ---- | ---- | .01450N | .02290 | + 0.00840 | .919 | ---- | ---- | 2539 | UNCH | .02770B | .00080 |
| 1190 | ---- | ---- | ---- | .00100N | .00045 | - 0.00055 | .051 | ---- | 105 | 3416 | - 43 | .08650B | .00040 |
| 1190 | ---- | ---- | ---- | .01870N | .02760 | + 0.00890 | .948 | ---- | 23 | 2245 | + 15 | .03210B | .00100A |
| 1195 | ---- | ---- | ---- | .00060N | .00030 | - 0.00030 | .033 | ---- | 101 | 2152 | - 38 | .08190B | .00025 |
| 1195 | ---- | ---- | ---- | .02330N | .03250 | + 0.00920 | .966 | ---- | 6 | 1521 | - 6 | .03690B | .00130 |
| 1200 | ---- | ---- | ---- | .00035N | .00020 | - 0.00015 | .021 | ---- | 34 | 3533 | + 2 | .07740B | .00015 |
| 1200 | ---- | ---- | ---- | .02800N | .03740 | + 0.00940 | .978 | ---- | 9 | 1253 | - 5 | .04180B | .00160 |
| 1205 | ---- | ---- | ---- | .00020N | .00010 | - 0.00010 | .011 | ---- | 42 | 1483 | + 16 | .07300B | .00010 |
| 1205 | ---- | ---- | ---- | .03290N | .04230 | + 0.00940 | .989 | ---- | 8 | 1026 | - 8 | .04670B | .00200 |
| 1210 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .010 | ---- | 6 | 1955 | UNCH | .06870B | .00010 |
| 1210 | ---- | ---- | ---- | .03780N | .04730 | + 0.00950 | .989 | ---- | 3 | 908 | - 1 | .05160B | .00240A |
| 1215 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .005 | ---- | 6 | 1672 | - 1 | .06440B | .00010 |

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# EURO FX & CME$INDEX OPTIONS

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EUU OPT | | | | | | | | | | | | | | |
| | EUU OPT | | | | | | | | | | | | | |
| 1215 | ---- | ---- | ---- | .04280N | .05220 | + 0.00940 | .994 | ---- | 1 | 946 | UNCH | .05660B | .00310A |
| 1220 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .002 | ---- | 50 | 1745 | + 33 | .06020B | .00010 |
| 1220 | ---- | ---- | ---- | .04770N | .05720 | + 0.00950 | .997 | ---- | 3 | 733 | - 2 | .06160B | .00380A |
| 1225 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | 4 | 1639 | UNCH | .05620B | .00005 |
| 1225 | ---- | ---- | ---- | .05270N | .06220 | + 0.00950 | .998 | ---- | ---- | 570 | UNCH | .06650B | .00470A |
| 1230 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | 5 | 2290 | - 5 | .05220B | .00005 |
| 1230 | ---- | ---- | ---- | .05770N | .06720 | + 0.00950 | .999 | ---- | ---- | 1335 | UNCH | .07150B | .00580 |
| 1235 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | ---- | 1134 | UNCH | .04840B | .00005 |
| 1235 | ---- | ---- | ---- | .06270N | .07220 | + 0.00950 | .999 | ---- | ---- | 1346 | UNCH | .07650B | .00700A |
| 1240 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | ---- | 1571 | UNCH | .04480B | .00010 |
| 1240 | ---- | ---- | ---- | .06770N | .07720 | + 0.00950 | .999 | ---- | ---- | 1760 | UNCH | .08150B | .00860A |
| 1245 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1272 | UNCH | .04130B | .00005 |
| 1245 | ---- | ---- | ---- | .07270N | .08220 | + 0.00950 | .999 | ---- | ---- | 2127 | UNCH | .08650B | .01040A |
| 1250 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 953 | UNCH | .03790B | .00005 |
| 1250 | ---- | ---- | ---- | .07770N | .08720 | + 0.00950 | .999 | ---- | ---- | 1619 | UNCH | .09140B | .01230A |
| 1255 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 462 | UNCH | .03470B | .00005 |
| 1255 | ---- | ---- | ---- | .08270N | .09220 | + 0.00950 | 1.000 | ---- | ---- | 321 | UNCH | .09640B | .01430A |
| 1260 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 747 | UNCH | .03170B | .00005A |
| 1260 | ---- | ---- | ---- | .08770N | .09720 | + 0.00950 | 1.000 | ---- | ---- | 409 | UNCH | .10020B | .01660A |
| 1265 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2752 | UNCH | .02890B | .00005 |
| 1265 | ---- | ---- | ---- | .09260N | .10210 | + 0.00950 | 1.000 | ---- | ---- | 161 | UNCH | .10350B | .01900A |
| 1270 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 426 | UNCH | .02630B | .00005 |
| 1270 | ---- | ---- | ---- | .09760N | .10710 | + 0.00950 | 1.000 | ---- | ---- | 95 | UNCH | .10850B | .02180A |
| 1275 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 587 | UNCH | .02380B | .00005 |
| 1275 | ---- | ---- | ---- | .10260N | .11210 | + 0.00950 | 1.000 | ---- | ---- | 72 | UNCH | .11350B | .02470A |
| 1280 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 353 | UNCH | .02170B | .00005 |
| 1280 | ---- | ---- | ---- | .10760N | .11710 | + 0.00950 | 1.000 | ---- | ---- | 58 | UNCH | .10150B | .02760A |
| 1285 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 228 | UNCH | .01960B | .00005 |
| 1285 | ---- | ---- | ---- | .11260N | .12210 | + 0.00950 | 1.000 | ---- | ---- | 67 | UNCH | .10640B | .03050A |
| 1290 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 156 | UNCH | .01770B | .00005 |
| 1290 | ---- | ---- | ---- | .11760N | .12710 | + 0.00950 | 1.000 | ---- | ---- | 18 | UNCH | .10800B | .03350A |
| 1295 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 155 | UNCH | .01590B | .00005 |
| 1295 | ---- | ---- | ---- | .12260N | .13210 | + 0.00950 | 1.000 | ---- | ---- | 8 | UNCH | .10150B | .03670A |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 184 | UNCH | .01430B | .00005 |
| 1300 | ---- | ---- | ---- | .12760N | .13710 | + 0.00950 | 1.000 | ---- | ---- | 23 | UNCH | .10640B | .04000A |
| 1305 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 179 | UNCH | .01280B | .00005A |
| 1305 | ---- | ---- | ---- | .13260N | .14210 | + 0.00950 | 1.000 | ---- | ---- | 35 | UNCH | .11140B | .04350A |
| 1310 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 199 | UNCH | .01150B | .00005 |
| 1310 | ---- | ---- | ---- | .13760N | .14710 | + 0.00950 | 1.000 | ---- | ---- | 61 | UNCH | .11550B | .04710A |
| 1315 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 137 | UNCH | .01030B | .00005 |
| 1315 | ---- | ---- | ---- | .14260N | .15210 | + 0.00950 | 1.000 | ---- | ---- | 18 | UNCH | .12040B | .05090A |
| 1320 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 148 | UNCH | .00910B | .00005 |
| 1320 | ---- | ---- | ---- | .14760N | .15710 | + 0.00950 | 1.000 | ---- | ---- | 143 | UNCH | .12540B | .05480A |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 95 | UNCH | .00810B | .00005 |
| 1325 | ---- | ---- | ---- | .15260N | .16210 | + 0.00950 | 1.000 | ---- | ---- | 13 | UNCH | .12590B | .05870A |
| 1330 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 76 | UNCH | .00720B | .00005 |
| 1330 | ---- | ---- | ---- | .15760N | .16710 | + 0.00950 | 1.000 | ---- | ---- | 24 | UNCH | .12560B | .06280A |
| 1335 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 425 | UNCH | .00650B | .00005 |
| 1335 | ---- | ---- | ---- | .16260N | .17210 | + 0.00950 | 1.000 | ---- | ---- | 11 | UNCH | .10140B | .06700A |
| 1340 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | .00580B | .00005 |
| 1340 | ---- | ---- | ---- | .16760N | .17710 | + 0.00950 | 1.000 | ---- | ---- | 16 | UNCH | .10610B | .07120A |
| 1345 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 33 | UNCH | .00520B | .00005 |
| 1345 | ---- | ---- | ---- | .17260N | .18210 | + 0.00950 | 1.000 | ---- | ---- | 41 | UNCH | .11090B | .07550A |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 89 | UNCH | .00470B | .00005A |
| 1350 | ---- | ---- | ---- | .17760N | .18710 | + 0.00950 | 1.000 | ---- | ---- | 47 | UNCH | .11570B | .07990A |
| 1355 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 70 | UNCH | .00420B | .00020A |
| 1355 | ---- | ---- | ---- | .18260N | .19210 | + 0.00950 | 1.000 | ---- | ---- | 28 | UNCH | .12050B | .08440A |
| 1360 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | .00380B | .00010A |
| 1360 | ---- | ---- | ---- | .18760N | .19710 | + 0.00950 | 1.000 | ---- | ---- | 12 | UNCH | .12540B | .08890A |
| 1365 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 66 | UNCH | .00340B | .00020A |
| 1370 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .00280B | .00010A |
| 1370 | ---- | ---- | ---- | .19760N | .20710 | + 0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .13510B | .09800A |
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 39 | UNCH | .00250B | .00020A |
| 1385 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 71 | UNCH | .00210B | .00010A |
| 1385 | ---- | ---- | ---- | .21260N | .22210 | + 0.00950 | 1.000 | ---- | ---- | 1 | UNCH | .14980B | .11190A |
| 1390 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 161 | UNCH | .00180B | .00005 |
| 1395 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .00090B | .00020A |
| TOTAL | | | | | | | | | 7925 | 101301 | + 677 | | |
| AUG18 | EUU OPT | | | | | | | | | | | | |
| 1040 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | 16 | 16 | + 15 | .00005 | .00005 |
| 1040 | ---- | ---- | ---- | .13210N | .12260 | - 0.00950 | .998 | ---- | ---- | 3 | UNCH | .12240B | .12090A |
| 1045 | ---- | ---- | ---- | .12710N | .11760 | - 0.00950 | .997 | ---- | ---- | 5 | UNCH | .11900B | .11340A |
| 1050 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .003 | ---- | ---- | 131 | UNCH | .00020B | .00005A |
| 1050 | ---- | ---- | ---- | .12210N | .11260 | - 0.00950 | .996 | ---- | ---- | 12 | UNCH | .11670B | .10840A |
| 1055 | ---- | ---- | ---- | .00005N | .00010 | + 0.00005 | .006 | ---- | ---- | 80 | UNCH | .00060B | .00010 |
| 1055 | ---- | ---- | ---- | .11710N | .10770 | - 0.00940 | .993 | ---- | ---- | 13 | UNCH | .11500B | .10350A |
| 1060 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .006 | ---- | ---- | 396 | UNCH | .00070B | .00010A |
| 1060 | ---- | ---- | ---- | .11210N | .10270 | - 0.00940 | .993 | ---- | ---- | 18 | UNCH | .12230B | .09850A |
| 1065 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .006 | ---- | ---- | 108 | UNCH | .00080B | .00010A |
| 1065 | ---- | ---- | ---- | .10720N | .09770 | - 0.00950 | .993 | ---- | ---- | 23 | UNCH | .11730B | .09350A |
| 1070 | ---- | ---- | ---- | .00010N | .00015 | + 0.00005 | .009 | ---- | ---- | 23 | UNCH | .00090B | .00015A |
| 1070 | ---- | ---- | ---- | .10220N | .09280 | - 0.00940 | .990 | ---- | ---- | 9 | UNCH | .12050B | .08860A |
| 1075 | ---- | ---- | ---- | .00015N | .00020 | + 0.00005 | .012 | ---- | 2 | 51 | UNCH | .00120B | .00015A |
| 1075 | ---- | ---- | ---- | .09720N | .08780 | - 0.00940 | .987 | ---- | 1 | 11 | UNCH | .11550B | .08370A |
| 1080 | ---- | ---- | ---- | .00015N | .00025 | + 0.00010 | .015 | ---- | 5 | 52 | + 4 | .00130B | .00015 |
| 1080 | ---- | ---- | ---- | .09230N | .08290 | - 0.00940 | .984 | ---- | 2 | 2 | - 2 | .11180B | .07880A |
| 1085 | ---- | ---- | ---- | .00020N | .00030 | + 0.00010 | .019 | ---- | 1 | 45 | + 1 | .00160B | .00020A |
| 1085 | ---- | ---- | ---- | .08730N | .07800 | - 0.00930 | .980 | ---- | 1 | 2 | - 1 | .10780B | .07390A |
| 1090 | ---- | ---- | ---- | .00025N | .00040 | + 0.00015 | .024 | ---- | ---- | 358 | UNCH | .00190B | .00020 |
| 1090 | ---- | ---- | ---- | .08240N | .07310 | - 0.00930 | .975 | ---- | 1 | 2 | UNCH | .10280B | .06910A |
| 1095 | ---- | ---- | ---- | .00030N | .00050 | + 0.00020 | .031 | ---- | 2 | 116 | + 1 | .00230B | .00025A |
| 1095 | ---- | ---- | ---- | .07740N | .06820 | - 0.00920 | .968 | ---- | 1 | 2 | UNCH | .09860B | .06430A |
| 1100 | ---- | ---- | ---- | .00040N | .00070 | + 0.00030 | .042 | ---- | 2 | 690 | + 1 | .00270B | .00030A |
| 1100 | ---- | ---- | ---- | .07250N | .06330 | - 0.00920 | .957 | ---- | ---- | 8 | UNCH | .10140B | .05960A |
| 1105 | ---- | ---- | ---- | .06760N | .05850 | - 0.00910 | .950 | ---- | ---- | 9 | UNCH | .10530B | .05480A |
| 1105 | ---- | ---- | ---- | .00050N | .00080 | + 0.00030 | .049 | ---- | ---- | 157 | UNCH | .00320B | .00020A |
| 1110 | ---- | ---- | ---- | .00060N | .00100 | + 0.00040 | .061 | ---- | 87 | 679 | - 7 | .00380 | .00035A |
| 1110 | ---- | ---- | ---- | .06280N | .05370 | - 0.00910 | .938 | ---- | ---- | 11 | UNCH | .10040B | .05020A |
| 1115 | ---- | ---- | ---- | .00080N | .00130 | + 0.00050 | .077 | ---- | 25 | 576 | - 11 | .00440B | .00040A |
| 1115 | ---- | ---- | ---- | .05800N | .04900 | - 0.00900 | .922 | ---- | ---- | 15 | UNCH | .10050B | .04560A |
| 1120 | ---- | ---- | ---- | .00100N | .00170 | + 0.00070 | .098 | ---- | 13 | 774 | + 4 | .00510B | .00030A |
| 1120 | ---- | ---- | ---- | .05320N | .04440 | - 0.00880 | .901 | ---- | ---- | 8 | UNCH | .10640B | .04120A |
| 1125 | ---- | ---- | ---- | .00130N | .00210 | + 0.00080 | .121 | ---- | 424 | 1948 | + 247 | .00590B | .00060A |
| 1125 | ---- | ---- | ---- | .04850N | .03980 | - 0.00870 | .878 | ---- | ---- | 4 | UNCH | .10150B | .03680A |
| 1130 | ---- | ---- | ---- | .00160N | .00270 | + 0.00110 | .151 | ---- | 24 | 1755 | - 1 | .00690B | .00035A |
| 1130 | ---- | ---- | ---- | .04380N | .03540 | - 0.00840 | .848 | ---- | ---- | 24 | UNCH | .10350B | .03260A |
| 1135 | ---- | ---- | ---- | .00210N | .00330 | + 0.00120 | .182 | ---- | 221 | 2286 | + 132 | .00810B | .00040A |
| 1135 | ---- | ---- | ---- | .03930N | .03110 | - 0.00820 | .817 | ---- | ---- | 3 | UNCH | .10030B | .02860A |
| 1140 | ---- | ---- | ---- | .00260N | .00420 | + 0.00160 | .224 | ---- | 479 | 2491 | + 314 | .00940B | .00045A |
| 1140 | ---- | ---- | ---- | .03490N | .02700 | - 0.00790 | .775 | ---- | 6 | 12 | + 1 | .09820B | .02480A |
| 1145 | ---- | ---- | ---- | .00330N | .00530 | + 0.00200 | .273 | ---- | 282 | 1217 | + 22 | .01090B | .00045A |
| 1145 | ---- | ---- | ---- | .03060N | .02300 | - 0.00760 | .726 | ---- | ---- | 19 | UNCH | .10910B | .02120A |
| 1150 | ---- | ---- | ---- | .00420N | .00660 | + 0.00240 | .327 | ---- | 193 | 3705 | + 35 | .01260B | .00060A |
| 1150 | ---- | ---- | ---- | .02640N | .01940 | - 0.00700 | .672 | ---- | ---- | 56 | UNCH | .10420B | .01790A |
| 1155 | ---- | ---- | ---- | .00530N | .00820 | + 0.00290 | .388 | ---- | 136 | 1505 | + 22 | .01450B | .00060A |
| 1155 | ---- | ---- | ---- | .02250N | .01600 | - 0.00650 | .611 | ---- | 9 | 108 | - 7 | .10060B | .01490A |
| 1160 | ---- | ---- | ---- | .00660N | .01020 | + 0.00360 | .456 | ---- | 158 | 2667 | + 63 | .01660B | .00070A |
| 1160 | ---- | ---- | ---- | .01890N | .01300 | - 0.00590 | .543 | ---- | 21 | 304 | + 3 | .09580B | .01220A |
| 1165 | ---- | ---- | ---- | .00830N | .01250 | + 0.00420 | .526 | ---- | 52 | 1717 | + 37 | .01880 | .00080A |
| 1165 | ---- | ---- | ---- | .01560N | .01030 | - 0.00530 | .473 | ---- | 31 | 670 | + 2 | .09090B | .00970A |
| 1170 | ---- | ---- | ---- | .01030N | .01520 | + 0.00490 | .597 | ---- | 537 | 1554 | + 109 | .02150B | .00090 |
| 1170 | ---- | ---- | ---- | .01260N | .00800 | - 0.00460 | .402 | ---- | 396 | 1602 | + 154 | .08610B | .00750A |
| 1175 | ---- | ---- | ---- | .01260N | .01830 | + 0.00570 | .666 | ---- | 77 | 606 | + 33 | .02450B | .00110A |
| 1175 | ---- | ---- | ---- | .01000N | .00610 | - 0.00390 | .333 | ---- | 621 | 1208 | - 222 | .08130B | .00570A |
| 1180 | ---- | ---- | ---- | .01540N | .02170 | + 0.00630 | .729 | ---- | 5 | 1278 | - 2 | .02770B | .00140A |
| 1180 | ---- | ---- | ---- | .00770N | .00460 | - 0.00310 | .270 | ---- | 170 | 978 | + 79 | .07650B | .00420 |
| 1185 | ---- | ---- | ---- | .00590N | .00340 | - 0.00250 | .214 | ---- | 180 | 1886 | + 100 | .07180B | .00320A |
| 1185 | ---- | ---- | ---- | .01860N | .02550 | + 0.00690 | .785 | ---- | 2 | 551 | - 1 | .03080B | .00160A |
| 1190 | ---- | ---- | ---- | .02210N | .02960 | + 0.00750 | .833 | ---- | 1 | 890 | - 1 | .03430B | .00190A |
| 1190 | ---- | ---- | ---- | .00440N | .00250 | - 0.00190 | .166 | ---- | 249 | 1413 | + 61 | .06710B | .00240 |
| 1195 | ---- | ---- | ---- | .02590N | .03390 | + 0.00800 | .873 | ---- | 4 | 464 | - 4 | .03860B | .00230A |
| 1195 | ---- | ---- | ---- | .00330N | .00180 | - 0.00150 | .126 | ---- | 434 | 1655 | + 263 | .06250B | .00180 |
| 1200 | ---- | ---- | ---- | .03000N | .03840 | + 0.00840 | .904 | ---- | 6 | 245 | + 1 | .04310B | .00280A |
| 1200 | ---- | ---- | ---- | .00240N | .00130 | - 0.00110 | .095 | ---- | 259 | 1938 | + 73 | .05800B | .00130 |
| 1205 | ---- | ---- | ---- | .03440N | .04310 | + 0.00870 | .925 | ---- | 2 | 223 | - 2 | .04770B | .00330A |
| 1205 | ---- | ---- | ---- | .00180N | .00100 | - 0.00080 | .074 | ---- | 38 | 3155 | + 26 | .05360B | .00100A |
| 1210 | ---- | ---- | ---- | .00130N | .00070 | - 0.00060 | .054 | ---- | 81 | 3230 | - 35 | .04930B | .00070 |
| 1210 | ---- | ---- | ---- | .03890N | .04780 | + 0.00890 | .945 | ---- | ---- | 202 | UNCH | .05240B | .00400A |
| 1215 | ---- | ---- | ---- | .04360N | .05260 | + 0.00900 | .959 | ---- | ---- | 85 | UNCH | .05720B | .00480A |
| 1215 | ---- | ---- | ---- | .00090N | .00050 | - 0.00040 | .040 | ---- | 17 | 1087 | - 15 | .04510B | .00060 |
| 1220 | ---- | ---- | ---- | .04830N | .05750 | + 0.00920 | .965 | ---- | 1 | 174 | UNCH | .06200B | .00570A |
| 1220 | ---- | ---- | ---- | .00070N | .00045 | - 0.00025 | .034 | ---- | 103 | 821 | + 71 | .04100B | .00040 |
| 1225 | ---- | ---- | ---- | .05310N | .06240 | + 0.00930 | .972 | ---- | ---- | 83 | UNCH | .06680B | .00680A |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EUU OPT | | | | | | | | | | | | | | |
| | EUU OPT | | | | | | | | | | | | | |
| 1225 | ---- | ---- | ---- | .00050N | .00035 | - 0.00015 | .027 | ---- | 34 | 728 | + | 22 | .03720B | .00035A |
| 1230 | ---- | ---- | ---- | .05800N | .06730 | + 0.00930 | .980 | ---- | 1 | 74 | + | 1 | .07170B | .00810A |
| 1230 | ---- | ---- | ---- | .00040N | .00025 | - 0.00015 | .019 | ---- | 15 | 1131 | - | 6 | .03350B | .00030 |
| 1235 | ---- | ---- | ---- | .06290N | .07230 | + 0.00940 | .984 | ---- | ---- | 57 | | UNCH | .07660B | .00950A |
| 1235 | ---- | ---- | ---- | .00035N | .00020 | - 0.00015 | .015 | ---- | 10 | 1019 | | UNCH | .03000B | .00025 |
| 1240 | ---- | ---- | ---- | .06780N | .07720 | + 0.00940 | .984 | ---- | 1 | 122 | + | 1 | .08160B | .01120A |
| 1240 | ---- | ---- | ---- | .00025N | .00020 | - 0.00005 | .015 | ---- | 4 | 1492 | + | 1 | .02670B | .00020 |
| 1245 | ---- | ---- | ---- | .07280N | .08220 | + 0.00940 | .988 | ---- | ---- | 297 | | UNCH | .08650B | .01310A |
| 1245 | ---- | ---- | ---- | .00020N | .00015 | - 0.00005 | .011 | ---- | ---- | 392 | | UNCH | .02370B | .00020 |
| 1250 | ---- | ---- | ---- | .07770N | .08720 | + 0.00950 | .992 | ---- | ---- | 290 | | UNCH | .09140B | .01530A |
| 1250 | ---- | ---- | ---- | .00020N | .00010 | - 0.00010 | .007 | ---- | 18 | 612 | + | 18 | .02090B | .00015A |
| 1255 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .007 | ---- | ---- | 340 | | UNCH | .01840B | .00015A |
| 1255 | ---- | ---- | ---- | .08270N | .09210 | + 0.00940 | .992 | ---- | ---- | 23 | | UNCH | .09640B | .01770A |
| 1260 | ---- | ---- | ---- | .08760N | .09710 | + 0.00950 | .992 | ---- | ---- | 31 | | UNCH | .10130B | .02030A |
| 1260 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .007 | ---- | 1 | 694 | | UNCH | .01610B | .00010 |
| 1265 | ---- | ---- | ---- | .09260N | .10210 | + 0.00950 | .996 | ---- | 1 | 61 | | UNCH | .10620B | .02320A |
| 1265 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .003 | ---- | 5 | 180 | + | 5 | .01400B | .00010 |
| 1270 | ---- | ---- | ---- | .09760N | .10710 | + 0.00950 | .997 | ---- | ---- | 15 | | UNCH | .11120B | .02640A |
| 1270 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .002 | ---- | 6 | 160 | | UNCH | .01220B | .00010 |
| 1275 | ---- | ---- | ---- | .10260N | .11200 | + 0.00940 | .998 | ---- | ---- | 8 | | UNCH | .11350B | .02980A |
| 1275 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 304 | | UNCH | .01060B | .00015 |
| 1280 | ---- | ---- | ---- | .10750N | .11700 | + 0.00950 | .998 | ---- | ---- | 17 | | UNCH | .11850B | .03330A |
| 1280 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 148 | | UNCH | .00920B | .00010 |
| 1285 | ---- | ---- | ---- | .11250N | .12200 | + 0.00950 | .999 | ---- | ---- | 18 | | UNCH | .11890B | .03700A |
| 1285 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .000 | ---- | ---- | 104 | | UNCH | .00800B | .00015A |
| 1290 | ---- | ---- | ---- | .11750N | .12700 | + 0.00950 | .999 | ---- | ---- | 35 | | UNCH | .12120B | .04090A |
| 1290 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .000 | ---- | ---- | 152 | | UNCH | .00690B | .00005 |
| 1295 | ---- | ---- | ---- | .12250N | .13200 | + 0.00950 | .999 | ---- | ---- | 15 | | UNCH | .11860B | .04490A |
| 1295 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .000 | ---- | ---- | 69 | | UNCH | .00600B | .00005A |
| 1300 | ---- | ---- | ---- | .12740N | .13700 | + 0.00960 | .999 | ---- | ---- | 4 | | UNCH | .11770 | .04900A |
| 1300 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 151 | | UNCH | .00510B | .00010A |
| 1305 | ---- | ---- | ---- | .13240N | .14190 | + 0.00950 | .999 | ---- | ---- | 2 | | UNCH | .11860B | .05330A |
| 1305 | ---- | ---- | ---- | ---- | .00005 | + 0.00005 | .000 | ---- | ---- | 141 | | UNCH | .00440 | .00005 |
| 1310 | ---- | ---- | ---- | .13740N | .14690 | + 0.00950 | .999 | ---- | ---- | 2 | | UNCH | .12310B | .05760A |
| 1310 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 100 | | UNCH | .00380B | .00005 |
| 1315 | ---- | ---- | ---- | .14240N | .15190 | + 0.00950 | .999 | ---- | ---- | 1 | | UNCH | .12670B | .06210A |
| 1315 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 11 | | UNCH | .00330B | .00025A |
| 1320 | ---- | ---- | ---- | .14740N | .15690 | + 0.00950 | .999 | ---- | ---- | 1 | | UNCH | .10840B | .06660A |
| 1320 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 156 | | UNCH | .00280B | .00005 |
| 1325 | ---- | ---- | ---- | .15240N | .16190 | + 0.00950 | .999 | ---- | ---- | 1 | | UNCH | .10600B | .07110A |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 115 | | UNCH | .00240B | .00005 |
| 1330 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 37 | | UNCH | .00200B | .00020A |
| 1335 | ---- | ---- | ---- | .16240N | .17190 | + 0.00950 | .999 | ---- | ---- | 1 | | UNCH | .11150B | .08050A |
| 1335 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 17 | | UNCH | .00170B | .00005 |
| 1340 | ---- | ---- | ---- | .16740N | .17690 | + 0.00950 | 1.000 | ---- | ---- | 2 | | UNCH | .11040B | .08520A |
| 1340 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | | UNCH | .00150B | .00015A |
| 1345 | ---- | ---- | ---- | .17240N | .18180 | + 0.00940 | 1.000 | ---- | ---- | 1 | | UNCH | .11530B | .08990A |
| 1345 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | | UNCH | .00130B | .00030A |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | | UNCH | .00110B | .00025A |
| 1355 | ---- | ---- | ---- | .18230N | .19180 | + 0.00950 | 1.000 | ---- | ---- | 2 | | UNCH | .11790B | .09950A |
| 1360 | ---- | ---- | ---- | .18730N | .19680 | + 0.00950 | 1.000 | ---- | ---- | 4 | | UNCH | .12280B | .10440A |
| 1360 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | | UNCH | .00080B | .00025A |
| 1365 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH | .00060B | .00005 |
| 1370 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | | UNCH | .00050B | .00025 |
| 1380 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 70 | | UNCH | .00035B | .00020A |
| 1385 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 60 | | UNCH | .00030B | .00025A |
| TOTAL | | | | | | | | | 5474 | 59748 | + | 1605 | | |
| SEP18 | EUU OPT | | | | | | | | | | | | | |
| 1040 | ---- | ---- | ---- | .00015N | .00025 | + 0.00010 | .011 | ---- | ---- | 88 | | UNCH | .00045 | .00015 |
| 1045 | ---- | ---- | ---- | .00020N | .00030 | + 0.00010 | .013 | ---- | ---- | 58 | | UNCH | .00050 | .00015 |
| 1050 | ---- | ---- | ---- | .00025N | .00035 | + 0.00010 | .016 | ---- | ---- | 99 | | UNCH | .00060 | .00015 |
| 1055 | ---- | ---- | ---- | .11710N | .10780 | - 0.00930 | .981 | ---- | ---- | 20 | | UNCH | .12710B | .10570A |
| 1055 | ---- | ---- | ---- | .00030N | .00040 | + 0.00010 | .018 | ---- | ---- | 593 | | UNCH | .00210 | .00010 |
| 1060 | ---- | ---- | ---- | .11220N | .10290 | - 0.00930 | .978 | ---- | ---- | 3 | | UNCH | .12220B | .09870A |
| 1060 | ---- | ---- | ---- | .00035N | .00045 | + 0.00010 | .021 | ---- | 17 | 698 | | UNCH | .00300B | .00015 |
| 1065 | ---- | ---- | ---- | .10730N | .09800 | - 0.00930 | .972 | ---- | ---- | 25 | | UNCH | .19490B | .09390A |
| 1065 | ---- | ---- | ---- | .00040N | .00060 | + 0.00020 | .027 | ---- | ---- | 305 | | UNCH | .00330B | .00015 |
| 1070 | ---- | ---- | ---- | .10240N | .09310 | - 0.00930 | .967 | ---- | ---- | 15 | | UNCH | .18990B | .08910A |
| 1070 | ---- | ---- | ---- | .00045N | .00070 | + 0.00025 | .032 | ---- | ---- | 328 | | UNCH | .00360B | .00015 |
| 1075 | ---- | ---- | ---- | .09750N | .08830 | - 0.00920 | .963 | ---- | 1 | 9 | + | 1 | .19690B | .08430A |
| 1075 | ---- | ---- | ---- | .00050N | .00080 | + 0.00030 | .036 | ---- | ---- | 124 | | UNCH | .00450 | .00020 |
| 1080 | ---- | ---- | ---- | .09260N | .08340 | - 0.00920 | .958 | ---- | ---- | 6 | | UNCH | .19200B | .07950A |
| 1080 | ---- | ---- | ---- | .00070N | .00090 | + 0.00020 | .041 | ---- | 2 | 706 | - | 2 | .00440B | .00020 |
| 1085 | ---- | ---- | ---- | .08770N | .07860 | - 0.00910 | .949 | ---- | ---- | 8 | | UNCH | .18720B | .07480A |
| 1085 | ---- | ---- | ---- | .00080N | .00110 | + 0.00030 | .050 | ---- | 4 | 172 | | UNCH | .00560B | .00025 |
| 1090 | ---- | ---- | ---- | .08290N | .07380 | - 0.00910 | .940 | ---- | ---- | 13 | | UNCH | .18230B | .07020A |
| 1090 | ---- | ---- | ---- | .00090N | .00130 | + 0.00040 | .059 | ---- | 58 | 450 | + | 21 | .00620B | .00030A |
| 1095 | ---- | ---- | ---- | .07810N | .06910 | - 0.00900 | .928 | ---- | ---- | 9 | | UNCH | .17740B | .06550A |
| 1095 | ---- | ---- | ---- | .00110N | .00160 | + 0.00050 | .071 | ---- | 3 | 231 | - | 2 | .00680B | .00045A |
| 1100 | ---- | ---- | ---- | .07330N | .06440 | - 0.00890 | .916 | ---- | ---- | 20 | | UNCH | .17250B | .06090A |
| 1100 | ---- | ---- | ---- | .00130N | .00190 | + 0.00060 | .083 | ---- | 39 | 1141 | + | 32 | .00750B | .00035A |
| 1105 | ---- | ---- | ---- | .06860N | .05980 | - 0.00880 | .903 | ---- | 1 | 12 | | UNCH | .16770B | .05640A |
| 1105 | ---- | ---- | ---- | .00160N | .00220 | + 0.00060 | .096 | ---- | 2 | 698 | - | 2 | .00830B | .00035A |
| 1110 | ---- | ---- | ---- | .06390N | .05520 | - 0.00870 | .886 | ---- | ---- | 20 | | UNCH | .16280B | .05200A |
| 1110 | ---- | ---- | ---- | .00190N | .00260 | + 0.00070 | .113 | ---- | 319 | 1461 | + | 221 | .00930B | .00045A |
| 1115 | ---- | ---- | ---- | .05930N | .05070 | - 0.00860 | .867 | ---- | ---- | 16 | | UNCH | .15800B | .04770A |
| 1115 | ---- | ---- | ---- | .00220N | .00310 | + 0.00090 | .132 | ---- | 94 | 974 | + | 7 | .01020B | .00070 |
| 1120 | ---- | ---- | ---- | .05480N | .04630 | - 0.00850 | .844 | ---- | ---- | 61 | | UNCH | .15310B | .04360A |
| 1120 | ---- | ---- | ---- | .00270N | .00370 | + 0.00100 | .155 | ---- | 11 | 1149 | + | 2 | .01120B | .00080 |
| 1125 | ---- | ---- | ---- | .05030N | .04210 | - 0.00820 | .818 | ---- | ---- | 13 | | UNCH | .14830B | .03950A |
| 1125 | ---- | ---- | ---- | .00320N | .00440 | + 0.00120 | .181 | ---- | 2 | 400 | + | 1 | .01220B | .00060A |
| 1130 | ---- | ---- | ---- | .04590N | .03790 | - 0.00800 | .789 | ---- | ---- | 44 | | UNCH | .14350B | .03560A |
| 1130 | ---- | ---- | ---- | .00380N | .00520 | + 0.00140 | .210 | ---- | 233 | 1215 | + | 176 | .01340B | .00060A |
| 1135 | ---- | ---- | ---- | .04160N | .03390 | - 0.00770 | .756 | ---- | ---- | 2 | | UNCH | .13870B | .03180A |
| 1135 | ---- | ---- | ---- | .00450N | .00620 | + 0.00170 | .243 | ---- | 227 | 1018 | + | 87 | .01470B | .00070A |
| 1140 | ---- | ---- | ---- | .03750N | .03010 | - 0.00740 | .719 | ---- | ---- | 17 | | UNCH | .13400B | .02820A |
| 1140 | ---- | ---- | ---- | .00530N | .00730 | + 0.00200 | .280 | ---- | 234 | 1463 | + | 220 | .01600B | .00070 |
| 1145 | ---- | ---- | ---- | .03350N | .02640 | - 0.00710 | .678 | ---- | ---- | 19 | | UNCH | .12920B | .02480A |
| 1145 | ---- | ---- | ---- | .00630N | .00870 | + 0.00240 | .321 | ---- | 179 | 751 | - | 36 | .01750B | .00090A |
| 1150 | ---- | ---- | ---- | .02970N | .02300 | - 0.00670 | .634 | ---- | ---- | 116 | | UNCH | .12450B | .02170A |
| 1150 | ---- | ---- | ---- | .00750N | .01020 | + 0.00270 | .365 | ---- | 79 | 2092 | + | 6 | .01910B | .00090A |
| 1155 | ---- | ---- | ---- | .02610N | .01980 | - 0.00630 | .586 | ---- | 2 | 69 | | UNCH | .11980B | .01880A |
| 1155 | ---- | ---- | ---- | .00880N | .01200 | + 0.00320 | .413 | ---- | 200 | 1261 | - | 26 | .02080B | .00120A |
| 1160 | ---- | ---- | ---- | .02270N | .01690 | - 0.00580 | .535 | ---- | 17 | 387 | + | 6 | .11510B | .01610A |
| 1160 | ---- | ---- | ---- | .01040N | .01410 | + 0.00370 | .464 | ---- | 117 | 1372 | - | 88 | .02260B | .00120 |
| 1165 | ---- | ---- | ---- | .01950N | .01420 | - 0.00530 | .483 | ---- | 17 | 339 | - | 9 | .11040B | .01360A |
| 1165 | ---- | ---- | ---- | .01220N | .01640 | + 0.00420 | .516 | ---- | 60 | 1813 | + | 4 | .02460B | .00140A |
| 1170 | ---- | ---- | ---- | .01660N | .01190 | - 0.00470 | .431 | ---- | 105 | 751 | + | 22 | .10580B | .01130A |
| 1170 | ---- | ---- | ---- | .01430N | .01900 | + 0.00470 | .568 | ---- | 16 | 1905 | - | 2 | .02670B | .00160 |
| 1175 | ---- | ---- | ---- | .01400N | .00980 | - 0.00420 | .379 | ---- | 16 | 593 | + | 16 | .10120B | .00930A |
| 1175 | ---- | ---- | ---- | .01660N | .02190 | + 0.00530 | .620 | ---- | 123 | 1495 | + | 73 | .02900B | .00190A |
| 1180 | ---- | ---- | ---- | .01160N | .00800 | - 0.00360 | .329 | ---- | 741 | 2933 | + | 337 | .09670B | .00760A |
| 1180 | ---- | ---- | ---- | .01930N | .02510 | + 0.00580 | .670 | ---- | 6 | 850 | | UNCH | .03140B | .00220A |
| 1185 | ---- | ---- | ---- | .00960N | .00650 | - 0.00310 | .282 | ---- | 56 | 1421 | + | 54 | .09220B | .00620A |
| 1185 | ---- | ---- | ---- | .02230N | .02860 | + 0.00630 | .717 | ---- | 31 | 902 | - | 5 | .03390B | .00260A |
| 1190 | ---- | ---- | ---- | .00790N | .00520 | - 0.00270 | .238 | ---- | 45 | 3176 | - | 28 | .08780B | .00500A |
| 1190 | ---- | ---- | ---- | .02550N | .03230 | + 0.00680 | .761 | ---- | 8 | 684 | + | 2 | .03720 | .00310A |
| 1195 | ---- | ---- | ---- | .00640N | .00410 | - 0.00230 | .198 | ---- | 173 | 842 | - | 12 | .08340B | .00400 |
| 1195 | ---- | ---- | ---- | .02900N | .03620 | + 0.00720 | .801 | ---- | ---- | 626 | | UNCH | .04070B | .00360A |
| 1200 | ---- | ---- | ---- | .00520N | .00330 | - 0.00190 | .166 | ---- | 667 | 3544 | + | 14 | .07910B | .00320 |
| 1200 | ---- | ---- | ---- | .03280N | .04040 | + 0.00760 | .833 | ---- | 1 | 1634 | - | 1 | .04490B | .00420A |
| 1205 | ---- | ---- | ---- | .00410N | .00260 | - 0.00150 | .136 | ---- | 10 | 635 | + | 7 | .07490B | .00260 |
| 1205 | ---- | ---- | ---- | .03670N | .04470 | + 0.00800 | .863 | ---- | 36 | 193 | + | 22 | .04920B | .00490A |
| 1210 | ---- | ---- | ---- | .00330N | .00210 | - 0.00120 | .113 | ---- | 14 | 667 | + | 1 | .07080B | .00200 |
| 1210 | ---- | ---- | ---- | .04090N | .04910 | + 0.00820 | .886 | ---- | ---- | 1187 | | UNCH | .05360B | .00570A |
| 1215 | ---- | ---- | ---- | .00270N | .00170 | - 0.00100 | .093 | ---- | 9 | 803 | + | 7 | .06680B | .00160 |
| 1215 | ---- | ---- | ---- | .04520N | .05370 | + 0.00850 | .906 | ---- | ---- | 128 | | UNCH | .05820B | .00660A |
| 1220 | ---- | ---- | ---- | .00210N | .00130 | - 0.00080 | .074 | ---- | 10 | 996 | + | 7 | .06280B | .00130 |
| 1220 | ---- | ---- | ---- | .04970N | .05830 | + 0.00860 | .925 | ---- | ---- | 358 | | UNCH | .06280B | .00770A |
| 1225 | ---- | ---- | ---- | .00170N | .00110 | - 0.00060 | .063 | ---- | 21 | 309 | | UNCH | .05900B | .00100 |
| 1225 | ---- | ---- | ---- | .05420N | .06310 | + 0.00890 | .936 | ---- | ---- | 316 | | UNCH | .06750B | .00900A |
| 1230 | ---- | ---- | ---- | .00140N | .00090 | - 0.00050 | .052 | ---- | 7 | 1630 | - | 1 | .05530B | .00090 |
| 1230 | ---- | ---- | ---- | .05890N | .06780 | + 0.00890 | .947 | ---- | ---- | 377 | | UNCH | .07230B | .01040A |
| 1235 | ---- | ---- | ---- | .00110N | .00070 | - 0.00040 | .041 | ---- | 1 | 1448 | + | 1 | .05170B | .00070 |
| 1235 | ---- | ---- | ---- | .06360N | .07270 | + 0.00910 | .958 | ---- | ---- | 241 | | UNCH | .07710B | .01200A |
| 1240 | ---- | ---- | ---- | .00090N | .00060 | - 0.00030 | .035 | ---- | 72 | 1060 | - | 47 | .04820B | .00060 |
| 1240 | ---- | ---- | ---- | .06840N | .07750 | + 0.00910 | .964 | ---- | ---- | 684 | | UNCH | .08190B | .01370A |
| 1245 | ---- | ---- | ---- | .00080N | .00050 | - 0.00030 | .030 | ---- | 4 | 361 | - | 2 | .04490B | .00050 |
| 1245 | ---- | ---- | ---- | .07320N | .08240 | + 0.00920 | .969 | ---- | ---- | 526 | | UNCH | .08680B | .01550A |
| 1250 | ---- | ---- | ---- | .00060N | .00040 | - 0.00020 | .024 | ---- | 4 | 583 | - | 4 | .04180B | .00045A |
| 1250 | ---- | ---- | ---- | .07800N | .08730 | + 0.00930 | .975 | ---- | ---- | 912 | | UNCH | .09160B | .01750A |
| 1255 | ---- | ---- | ---- | .00050N | .00035 | - 0.00015 | .021 | ---- | 5 | 204 | | UNCH | .03870B | .00040 |
| 1255 | ---- | ---- | ---- | .08290N | .09220 | + 0.00930 | .978 | ---- | ---- | 138 | | UNCH | .09650B | .01960A |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EUU OPT | | | | | | | | | | | | | | |
| | EUU OPT | | | | | | | | | | | | | |
| 1260 | ---- | ---- | ---- | .00045N | .00030 | - 0.00015 | .018 | ---- | ---- | 405 | UNCH | .03590B | .00035A |
| 1260 | ---- | ---- | ---- | .08780N | .09710 | + 0.00930 | .981 | ---- | ---- | 45 | UNCH | .10020B | .02190A |
| 1265 | ---- | ---- | ---- | .00040N | .00025 | - 0.00015 | .015 | ---- | ---- | 261 | UNCH | .03310B | .00030A |
| 1265 | ---- | ---- | ---- | .09270N | .10210 | + 0.00940 | .984 | ---- | 1 | 62 | + 1 | .10340B | .02440A |
| 1270 | ---- | ---- | ---- | .00030N | .00020 | - 0.00010 | .012 | ---- | ---- | 722 | UNCH | .03060B | .00025A |
| 1270 | ---- | ---- | ---- | .09760N | .10700 | + 0.00940 | .987 | ---- | ---- | 46 | UNCH | .10830B | .02710A |
| 1275 | ---- | ---- | ---- | .00025N | .00020 | - 0.00005 | .011 | ---- | 1 | 339 | - 1 | .02820B | .00020A |
| 1275 | ---- | ---- | ---- | .10260N | .11190 | + 0.00930 | .988 | ---- | ---- | 29 | UNCH | .11320B | .02960A |
| 1280 | ---- | ---- | ---- | .00020N | .00015 | - 0.00005 | .009 | ---- | 21 | 454 | + 7 | .02640B | .00015 |
| 1280 | ---- | ---- | ---- | .10750N | .11690 | + 0.00940 | .990 | ---- | ---- | 14 | UNCH | .11490B | .03270A |
| 1285 | ---- | ---- | ---- | .00020N | .00015 | - 0.00005 | .008 | ---- | ---- | 239 | UNCH | .02430B | .00015A |
| 1285 | ---- | ---- | ---- | .11250N | .12190 | + 0.00940 | .991 | ---- | ---- | 21 | UNCH | .11980B | .03550A |
| 1290 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .006 | ---- | 1 | 354 | UNCH | .02230B | .00015A |
| 1290 | ---- | ---- | ---- | .11740N | .12680 | + 0.00940 | .993 | ---- | ---- | 21 | UNCH | .10710B | .03850A |
| 1295 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .005 | ---- | ---- | 220 | UNCH | .02050B | .00010 |
| 1295 | ---- | ---- | ---- | .12240N | .13180 | + 0.00940 | .994 | ---- | ---- | 18 | UNCH | .11200B | .04160A |
| 1300 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .005 | ---- | 8 | 1173 | UNCH | .01880B | .00005 |
| 1300 | ---- | ---- | ---- | .12730N | .13680 | + 0.00950 | .994 | ---- | ---- | 3 | UNCH | .11200B | .04480A |
| 1305 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .003 | ---- | 2 | 121 | UNCH | .01730 | .00010A |
| 1305 | ---- | ---- | ---- | .13230N | .14170 | + 0.00940 | .996 | ---- | ---- | 23 | UNCH | .11690B | .04820A |
| 1310 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .002 | ---- | 10 | 390 | + 10 | .01580B | .00010 |
| 1310 | ---- | ---- | ---- | .13720N | .14670 | + 0.00950 | .997 | ---- | ---- | 16 | UNCH | .12180B | .05170A |
| 1315 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 443 | UNCH | .01450B | .00015 |
| 1315 | ---- | ---- | ---- | .14220N | .15170 | + 0.00950 | .998 | ---- | ---- | 28 | UNCH | .12670B | .05530A |
| 1320 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 183 | UNCH | .01400 | .00010 |
| 1320 | ---- | ---- | ---- | .14720N | .15660 | + 0.00940 | .998 | ---- | ---- | 16 | UNCH | .13160B | .05900A |
| 1325 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 78 | UNCH | .01230B | .00010 |
| 1325 | ---- | ---- | ---- | .15220N | .16160 | + 0.00940 | .999 | ---- | ---- | 30 | UNCH | .13650B | .06280A |
| 1330 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .000 | ---- | ---- | 86 | UNCH | .01130B | .00010 |
| 1330 | ---- | ---- | ---- | .15710N | .16660 | + 0.00950 | .999 | ---- | ---- | 25 | UNCH | .14140B | .06670A |
| 1335 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .000 | ---- | ---- | 124 | UNCH | .01040B | .00010A |
| 1335 | ---- | ---- | ---- | .16210N | .17160 | + 0.00950 | .999 | ---- | ---- | 29 | UNCH | .14640B | .07070A |
| 1340 | ---- | ---- | ---- | .00005N | CAB | ---- | .000 | ---- | ---- | 96 | UNCH | .00960B | .00010 |
| 1340 | ---- | ---- | ---- | .16710N | .17650 | + 0.00940 | .999 | ---- | ---- | 61 | UNCH | .15130B | .07470A |
| 1345 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 114 | UNCH | .00930 | .00025A |
| 1345 | ---- | ---- | ---- | .17200N | .18150 | + 0.00950 | .999 | ---- | ---- | 78 | UNCH | .15620B | .07890A |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 382 | UNCH | .00810 | .00005 |
| 1350 | ---- | ---- | ---- | .17700N | .18650 | + 0.00950 | .999 | ---- | ---- | 40 | UNCH | .12630B | .08310A |
| 1355 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 120 | UNCH | .00750B | .00010 |
| 1355 | ---- | ---- | ---- | .18200N | .19150 | + 0.00950 | .999 | ---- | ---- | 26 | UNCH | .13110B | .08730A |
| 1360 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 45 | UNCH | .00690B | .00025 |
| 1360 | ---- | ---- | ---- | .18700N | .19640 | + 0.00940 | .999 | ---- | ---- | 11 | UNCH | .13600B | .09170A |
| 1365 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 119 | UNCH | .00640B | .00005 |
| 1365 | ---- | ---- | ---- | .19200N | .20140 | + 0.00940 | .999 | ---- | ---- | 9 | UNCH | .13490B | .09600A |
| 1370 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 145 | UNCH | .00590B | .00015 |
| 1370 | ---- | ---- | ---- | .19690N | .20640 | + 0.00950 | .999 | ---- | ---- | 4 | UNCH | .13980B | .10050A |
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 388 | UNCH | .00520B | .00020A |
| 1375 | ---- | ---- | ---- | .20190N | .21140 | + 0.00950 | .999 | ---- | ---- | 3 | UNCH | .14030B | .10490A |
| 1380 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 50 | UNCH | .00480B | .00010 |
| 1380 | ---- | ---- | ---- | .20690N | .21640 | + 0.00950 | .999 | ---- | ---- | 4 | UNCH | .14510B | .10940A |
| 1385 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 118 | UNCH | .00440B | .00005 |
| 1385 | ---- | ---- | ---- | .21190N | .22140 | + 0.00950 | .999 | ---- | ---- | 1 | UNCH | .14990B | .11400A |
| 1390 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 160 | UNCH | .00410 | .00015 |
| 1390 | ---- | ---- | ---- | .21690N | .22630 | + 0.00940 | .999 | ---- | ---- | 10 | UNCH | .15470B | .11850A |
| 1395 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 147 | UNCH | .00220 | .00005 |
| TOTAL | | | | | | | | | 4143 | 65164 | + 1097 | | |
| OCT18 | EUU OPT | | | | | | | | | | | | |
| 995 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .004 | ---- | ---- | 34 | UNCH | .00045B | .00015A |
| 1000 | ---- | ---- | ---- | .00010N | .00015 | + 0.00005 | .005 | ---- | ---- | 92 | UNCH | .00050B | .00015 |
| 1010 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .006 | ---- | ---- | 61 | UNCH | .00060B | .00015A |
| 1015 | ---- | ---- | ---- | .00015N | .00020 | + 0.00005 | .008 | ---- | ---- | 23 | UNCH | .00070B | .00020A |
| 1020 | ---- | ---- | ---- | .00020N | .00025 | + 0.00005 | .009 | ---- | ---- | 62 | UNCH | .00080B | .00020 |
| 1025 | ---- | ---- | ---- | .00020N | .00025 | + 0.00005 | .010 | ---- | ---- | 27 | UNCH | .00090B | .00030A |
| 1025 | ---- | ---- | ---- | .15530N | .14580 | - 0.00950 | .989 | ---- | ---- | 2 | UNCH | .16540B | .14550A |
| 1030 | ---- | ---- | ---- | .00025N | .00030 | + 0.00005 | .012 | ---- | 51 | 31 | - 9 | .00100B | .00025 |
| 1030 | ---- | ---- | ---- | .15030N | .14090 | - 0.00940 | .987 | ---- | ---- | 3 | UNCH | .16040B | .14070A |
| 1035 | ---- | ---- | ---- | .00030N | .00035 | + 0.00005 | .014 | ---- | ---- | 40 | UNCH | .00120B | .00025A |
| 1035 | ---- | ---- | ---- | .14540N | .13600 | - 0.00940 | .985 | ---- | ---- | 14 | UNCH | .15550B | .13380A |
| 1040 | ---- | ---- | ---- | .00030N | .00045 | + 0.00015 | .017 | ---- | ---- | 36 | UNCH | .00130B | .00025 |
| 1040 | ---- | ---- | ---- | .14050N | .13110 | - 0.00940 | .982 | ---- | ---- | 3 | UNCH | .15060B | .12900A |
| 1045 | ---- | ---- | ---- | .00035N | .00050 | + 0.00015 | .019 | ---- | ---- | 58 | UNCH | .00150B | .00030A |
| 1045 | ---- | ---- | ---- | .13550N | .12620 | - 0.00930 | .980 | ---- | ---- | 4 | UNCH | .14570B | .12410A |
| 1050 | ---- | ---- | ---- | .00045N | .00060 | + 0.00015 | .023 | ---- | 30 | 453 | + 30 | .00170 | .00030 |
| 1050 | ---- | ---- | ---- | .13060N | .12130 | - 0.00930 | .976 | ---- | ---- | 21 | UNCH | .14070B | .11680 |
| 1055 | ---- | ---- | ---- | .00050N | .00070 | + 0.00020 | .027 | ---- | ---- | 66 | UNCH | .00190B | .00030A |
| 1055 | ---- | ---- | ---- | .12570N | .11640 | - 0.00930 | .972 | ---- | ---- | 10 | UNCH | .14570B | .11230A |
| 1060 | ---- | ---- | ---- | .00060N | .00080 | + 0.00020 | .030 | ---- | 5 | 103 | + 5 | .00210 | .00035A |
| 1060 | ---- | ---- | ---- | .12080N | .11160 | - 0.00920 | .969 | ---- | 1 | 10 | + 1 | .14080B | .10750 |
| 1065 | ---- | ---- | ---- | .00070N | .00090 | + 0.00020 | .034 | ---- | 45 | 53 | + 22 | .00240 | .00040A |
| 1065 | ---- | ---- | ---- | .11600N | .10670 | - 0.00930 | .965 | ---- | ---- | 6 | UNCH | .15330B | .10270 |
| 1070 | ---- | ---- | ---- | .00080N | .00110 | + 0.00030 | .041 | ---- | ---- | 9 | UNCH | .00270B | .00045A |
| 1070 | ---- | ---- | ---- | .11110N | .10190 | - 0.00920 | .958 | ---- | ---- | 12 | UNCH | .14840B | .09800A |
| 1075 | ---- | ---- | ---- | .00090N | .00130 | + 0.00040 | .048 | ---- | ---- | 256 | UNCH | .00300 | .00050 |
| 1075 | ---- | ---- | ---- | .10620N | .09710 | - 0.00910 | .951 | ---- | 3 | 27 | + 3 | .14350B | .09320 |
| 1080 | ---- | ---- | ---- | .00110N | .00150 | + 0.00040 | .055 | ---- | 1 | 114 | UNCH | .00340B | .00060A |
| 1080 | ---- | ---- | ---- | .10140N | .09230 | - 0.00910 | .944 | ---- | 5 | 23 | + 5 | .13860B | .08850 |
| 1085 | ---- | ---- | ---- | .00120N | .00170 | + 0.00050 | .062 | ---- | 40 | 121 | - 34 | .00390 | .00070A |
| 1085 | ---- | ---- | ---- | .09660N | .08760 | - 0.00900 | .937 | ---- | 2 | 13 | + 2 | .13370B | .08380A |
| 1090 | ---- | ---- | ---- | .00140N | .00190 | + 0.00050 | .070 | ---- | 44 | 375 | + 40 | .00420B | .00080A |
| 1090 | ---- | ---- | ---- | .09180N | .08290 | - 0.00890 | .929 | ---- | 16 | 45 | + 16 | .12880B | .07920A |
| 1095 | ---- | ---- | ---- | .00170N | .00230 | + 0.00060 | .083 | ---- | 22 | 137 | UNCH | .00470B | .00090A |
| 1095 | ---- | ---- | ---- | .08710N | .07820 | - 0.00890 | .916 | ---- | 18 | 28 | + 18 | .12390B | .07460A |
| 1100 | ---- | ---- | ---- | .00190N | .00260 | + 0.00070 | .093 | ---- | 2 | 749 | - 2 | .00530B | .00090 |
| 1100 | ---- | ---- | ---- | .08240N | .07360 | - 0.00880 | .906 | ---- | 4 | 32 | + 4 | .11900B | .07010A |
| 1105 | ---- | ---- | ---- | .00220N | .00300 | + 0.00080 | .107 | ---- | 4 | 78 | UNCH | .00590B | .00100A |
| 1105 | ---- | ---- | ---- | .07770N | .06900 | - 0.00870 | .892 | ---- | 23 | 52 | + 23 | .11420B | .06560A |
| 1110 | ---- | ---- | ---- | .00260N | .00350 | + 0.00090 | .122 | ---- | 3 | 295 | - 3 | .00670B | .00100 |
| 1110 | ---- | ---- | ---- | .07310N | .06450 | - 0.00860 | .877 | ---- | 14 | 25 | + 14 | .10940B | .06130A |
| 1115 | ---- | ---- | ---- | .00300N | .00400 | + 0.00100 | .139 | ---- | 3 | 126 | - 3 | .00750B | .00100 |
| 1115 | ---- | ---- | ---- | .06850N | .06000 | - 0.00850 | .860 | ---- | 17 | 28 | + 17 | .10450B | .05700A |
| 1120 | ---- | ---- | ---- | .00340N | .00460 | + 0.00120 | .158 | ---- | ---- | 165 | UNCH | .00830B | .00130A |
| 1120 | ---- | ---- | ---- | .06400N | .05570 | - 0.00830 | .842 | ---- | 4 | 12 | + 4 | .09980B | .05280A |
| 1125 | ---- | ---- | ---- | .00400N | .00530 | + 0.00130 | .179 | ---- | ---- | 276 | UNCH | .00930B | .00130 |
| 1125 | ---- | ---- | ---- | .05960N | .05140 | - 0.00820 | .820 | ---- | ---- | 6 | UNCH | .09510B | .04870A |
| 1130 | ---- | ---- | ---- | .00460N | .00610 | + 0.00150 | .202 | ---- | ---- | 298 | UNCH | .01040B | .00150 |
| 1130 | ---- | ---- | ---- | .05520N | .04720 | - 0.00800 | .797 | ---- | ---- | 3 | UNCH | .09030B | .04470A |
| 1135 | ---- | ---- | ---- | .00530N | .00700 | + 0.00170 | .228 | ---- | 2 | 398 | + 2 | .01160B | .00190 |
| 1135 | ---- | ---- | ---- | .05090N | .04310 | - 0.00780 | .771 | ---- | ---- | 7 | UNCH | .08560B | .04080A |
| 1140 | ---- | ---- | ---- | .00610N | .00800 | + 0.00190 | .256 | ---- | 40 | 267 | UNCH | .01290B | .00220A |
| 1140 | ---- | ---- | ---- | .04680N | .03920 | - 0.00760 | .743 | ---- | ---- | 6 | UNCH | .08090B | .03710A |
| 1145 | ---- | ---- | ---- | .00700N | .00920 | + 0.00220 | .287 | ---- | ---- | 303 | UNCH | .01430B | .00260 |
| 1145 | ---- | ---- | ---- | .04270N | .03540 | - 0.00730 | .712 | ---- | ---- | 6 | UNCH | .07630B | .03350A |
| 1150 | ---- | ---- | ---- | .00810N | .01060 | + 0.00250 | .322 | ---- | ---- | 198 | UNCH | .01580B | .00300A |
| 1150 | ---- | ---- | ---- | .03880N | .03180 | - 0.00700 | .677 | ---- | 3 | 12 | + 3 | .07180B | .03010A |
| 1155 | ---- | ---- | ---- | .00930N | .01210 | + 0.00280 | .358 | ---- | ---- | 464 | UNCH | .01750B | .00350A |
| 1155 | ---- | ---- | ---- | .03500N | .02840 | - 0.00660 | .641 | ---- | 3 | 6 | - 1 | .06730B | .02680A |
| 1160 | ---- | ---- | ---- | .01060N | .01380 | + 0.00320 | .397 | ---- | 11 | 781 | - 11 | .01940B | .00400A |
| 1160 | ---- | ---- | ---- | .03140N | .02510 | - 0.00630 | .602 | ---- | ---- | 63 | UNCH | .06290B | .02380A |
| 1165 | ---- | ---- | ---- | .01220N | .01580 | + 0.00360 | .438 | ---- | ---- | 1259 | UNCH | .02140B | .00470A |
| 1165 | ---- | ---- | ---- | .02800N | .02210 | - 0.00590 | .561 | ---- | ---- | 27 | UNCH | .05850B | .02100A |
| 1170 | ---- | ---- | ---- | .01390N | .01790 | + 0.00400 | .480 | ---- | 20 | 177 | - 15 | .02350B | .00540A |
| 1170 | ---- | ---- | ---- | .02480N | .01930 | - 0.00550 | .519 | ---- | ---- | 363 | UNCH | .05430B | .01840A |
| 1175 | ---- | ---- | ---- | .01590N | .02030 | + 0.00440 | .523 | ---- | ---- | 251 | UNCH | .02590B | .00630A |
| 1175 | ---- | ---- | ---- | .02170N | .01670 | - 0.00500 | .476 | ---- | 80 | 128 | + 38 | .05020B | .01610A |
| 1180 | ---- | ---- | ---- | .01810N | .02290 | + 0.00480 | .567 | ---- | 41 | 300 | + 26 | .02850B | .00720A |
| 1180 | ---- | ---- | ---- | .01900N | .01430 | - 0.00470 | .432 | ---- | ---- | 171 | UNCH | .04620B | .01390A |
| 1185 | ---- | ---- | ---- | .02050N | .02580 | + 0.00530 | .609 | ---- | 39 | 145 | - 29 | .03150B | .00830A |
| 1185 | ---- | ---- | ---- | .01640N | .01230 | - 0.00410 | .390 | ---- | 15 | 202 | UNCH | .04240B | .01180A |
| 1190 | ---- | ---- | ---- | .02310N | .02890 | + 0.00580 | .652 | ---- | 1 | 858 | - 1 | .03440B | .00960A |
| 1190 | ---- | ---- | ---- | .01410N | .01040 | - 0.00370 | .347 | ---- | ---- | 153 | UNCH | .03870B | .01000A |
| 1195 | ---- | ---- | ---- | .02610N | .03230 | + 0.00620 | .691 | ---- | 1 | 153 | UNCH | .03750B | .01100A |
| 1195 | ---- | ---- | ---- | .01200N | .00880 | - 0.00320 | .308 | ---- | 15 | 180 | UNCH | .03520B | .00850A |
| 1200 | ---- | ---- | ---- | .02920N | .03590 | + 0.00670 | .729 | ---- | 2 | 165 | + 2 | .04060B | .01260A |
| 1200 | ---- | ---- | ---- | .01020N | .00740 | - 0.00280 | .270 | ---- | 1 | 116 | UNCH | .03190B | .00710A |
| 1205 | ---- | ---- | ---- | .03260N | .03960 | + 0.00700 | .763 | ---- | 2 | 79 | - 1 | .04410B | .01440A |
| 1205 | ---- | ---- | ---- | .00860N | .00620 | - 0.00240 | .236 | ---- | 3 | 178 | UNCH | .02870B | .00600A |
| 1210 | ---- | ---- | ---- | .03620N | .04360 | + 0.00740 | .794 | ---- | 2 | 21 | + 2 | .04800B | .01630A |
| 1210 | ---- | ---- | ---- | .00730N | .00520 | - 0.00210 | .205 | ---- | 71 | 128 | + 71 | .02580B | .00500A |
| 1215 | ---- | ---- | ---- | .04000N | .04770 | + 0.00770 | .823 | ---- | ---- | 82 | UNCH | .05210B | .01850A |
| 1215 | ---- | ---- | ---- | .00610N | .00430 | - 0.00180 | .176 | ---- | ---- | 82 | UNCH | .02300B | .00420A |
| 1220 | ---- | ---- | ---- | .04400N | .05200 | + 0.00800 | .847 | ---- | ---- | 14 | UNCH | .05640B | .02080A |
| 1220 | ---- | ---- | ---- | .00510N | .00360 | - 0.00150 | .152 | ---- | 3 | 369 | + 3 | .02040B | .00350A |
| 1225 | ---- | ---- | ---- | .04810N | .05640 | + 0.00830 | .869 | ---- | ---- | 4 | UNCH | .06080B | .02360A |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EUU OPT | | | | | | | | | | | | | | |
| | EUU OPT | | | | | | | | | | | | | |
| 1225 | ---- | ---- | ---- | .00420N | .00300 | - 0.00120 | .130 | ---- | 5 | 168 | + | 1 | .01810B | .00290A |
| 1230 | ---- | ---- | ---- | .05240N | .06080 | + 0.00840 | .888 | ---- | ---- | 5 | | UNCH | .06530B | .02640A |
| 1230 | ---- | ---- | ---- | .00360N | .00250 | - 0.00110 | .111 | ---- | 73 | 296 | + | 20 | .01600B | .00250A |
| 1235 | ---- | ---- | ---- | .05680N | .06540 | + 0.00860 | .904 | ---- | ---- | 1 | | UNCH | .06980B | .02940A |
| 1235 | ---- | ---- | ---- | .00300N | .00210 | - 0.00090 | .095 | ---- | 16 | 902 | - | 14 | .01410B | .00210A |
| 1240 | ---- | ---- | ---- | .06130N | .07000 | + 0.00870 | .917 | ---- | ---- | 2 | | UNCH | .07440B | .03270A |
| 1240 | ---- | ---- | ---- | .00250N | .00180 | - 0.00070 | .082 | ---- | 2 | 112 | + | 1 | .01240B | .00180A |
| 1245 | ---- | ---- | ---- | .06580N | .07470 | + 0.00890 | .929 | ---- | ---- | 3 | | UNCH | .07910B | .03620A |
| 1245 | ---- | ---- | ---- | .00210N | .00150 | - 0.00060 | .070 | ---- | 19 | 162 | | UNCH | .01090B | .00150 |
| 1250 | ---- | ---- | ---- | .07050N | .07950 | + 0.00900 | .941 | ---- | 1 | 4 | | UNCH | .08380B | .03970A |
| 1250 | ---- | ---- | ---- | .00180N | .00120 | - 0.00060 | .058 | ---- | 2 | 133 | + | 2 | .00950B | .00120 |
| 1255 | ---- | ---- | ---- | .07520N | .08420 | + 0.00900 | .950 | ---- | 2 | 5 | + | 2 | .08860B | .04350A |
| 1255 | ---- | ---- | ---- | .00150N | .00100 | - 0.00050 | .049 | ---- | 1 | 79 | | UNCH | .00830B | .00110A |
| 1260 | ---- | ---- | ---- | .07990N | .08900 | + 0.00910 | .956 | ---- | 25 | 31 | + | 24 | .09340B | .04740A |
| 1260 | ---- | ---- | ---- | .00130N | .00090 | - 0.00040 | .043 | ---- | 1 | 215 | | UNCH | .00720B | .00080 |
| 1265 | ---- | ---- | ---- | .08470N | .09390 | + 0.00920 | .964 | ---- | 5 | 14 | - | 5 | .09820B | .05140A |
| 1265 | ---- | ---- | ---- | .00110N | .00070 | - 0.00040 | .035 | ---- | ---- | 92 | | UNCH | .00630B | .00080A |
| 1270 | ---- | ---- | ---- | .08950N | .09870 | + 0.00920 | .969 | ---- | 22 | 53 | + | 21 | .10300B | .05550A |
| 1270 | ---- | ---- | ---- | .00090N | .00060 | - 0.00030 | .030 | ---- | ---- | 9 | | UNCH | .00540B | .00070A |
| 1275 | ---- | ---- | ---- | .09440N | .10360 | + 0.00920 | .974 | ---- | 27 | 55 | + | 20 | .10790B | .05980A |
| 1275 | ---- | ---- | ---- | .00080N | .00050 | - 0.00030 | .025 | ---- | 1 | 27 | | UNCH | .00480B | .00050 |
| 1280 | ---- | ---- | ---- | .09920N | .10850 | + 0.00930 | .977 | ---- | ---- | 47 | | UNCH | .11280B | .06410A |
| 1280 | ---- | ---- | ---- | .00060N | .00045 | - 0.00015 | .022 | ---- | ---- | 214 | | UNCH | .00410B | .00050A |
| 1285 | ---- | ---- | ---- | .10410N | .11340 | + 0.00930 | .979 | ---- | ---- | 3 | | UNCH | .11450B | .06850A |
| 1285 | ---- | ---- | ---- | .00050N | .00040 | - 0.00010 | .020 | ---- | 17 | 65 | | UNCH | .00360B | .00040A |
| 1290 | ---- | ---- | ---- | .10900N | .11840 | + 0.00940 | .982 | ---- | ---- | 3 | | UNCH | .11930B | .07300A |
| 1290 | ---- | ---- | ---- | .00045N | .00035 | - 0.00010 | .017 | ---- | ---- | 126 | | UNCH | .00310 | .00035A |
| 1295 | ---- | ---- | ---- | .11390N | .12330 | + 0.00940 | .984 | ---- | ---- | 2 | | UNCH | .12420B | .07750A |
| 1295 | ---- | ---- | ---- | .00040N | .00030 | - 0.00010 | .015 | ---- | ---- | 19 | | UNCH | .00270B | .00030A |
| 1300 | ---- | ---- | ---- | .11880N | .12820 | + 0.00940 | .985 | ---- | ---- | 2 | | UNCH | .12910B | .08210A |
| 1300 | ---- | ---- | ---- | .00035N | .00030 | - 0.00005 | .014 | ---- | ---- | 246 | | UNCH | .00240B | .00030A |
| 1305 | ---- | ---- | ---- | .12370N | .13320 | + 0.00950 | .987 | ---- | ---- | 2 | | UNCH | .13400B | .08680A |
| 1305 | ---- | ---- | ---- | .00030N | .00025 | - 0.00005 | .012 | ---- | ---- | 31 | | UNCH | .00220B | .00025A |
| 1310 | ---- | ---- | ---- | .12860N | .13810 | + 0.00950 | .989 | ---- | ---- | 2 | | UNCH | .13770 | .09150A |
| 1310 | ---- | ---- | ---- | .00025N | .00020 | - 0.00005 | .010 | ---- | ---- | 21 | | UNCH | .00200 | .00020A |
| 1315 | ---- | ---- | ---- | .13360N | .14310 | + 0.00950 | .990 | ---- | ---- | 3 | | UNCH | .14080B | .09620A |
| 1315 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .010 | ---- | ---- | 18 | | UNCH | .00170B | .00035A |
| 1320 | ---- | ---- | ---- | .13850N | .14800 | + 0.00950 | .992 | ---- | ---- | 3 | | UNCH | .12770B | .10100A |
| 1320 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .007 | ---- | ---- | 220 | | UNCH | .00150 | .00025 |
| 1325 | ---- | ---- | ---- | .14350N | .15300 | + 0.00950 | .994 | ---- | ---- | 2 | | UNCH | .13260B | .10580A |
| 1325 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .005 | ---- | ---- | 15 | | UNCH | .00130B | .00020 |
| 1330 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .005 | ---- | 1 | 1 | | UNCH | .00110B | .00010 |
| 1335 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .002 | ---- | 1 | 1 | | UNCH | .00100B | .00010 |
| 1345 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .001 | ---- | ---- | 7 | | UNCH | .00035B | .00030A |
| 1350 | ---- | ---- | ---- | .00005N | .00005 | UNCH | .001 | ---- | ---- | 5 | | UNCH | .00070B | .00015A |
| TOTAL | | | | | | | | | 933 | 16059 | + | 314 | | |
| DEC18 | EUU OPT | | | | | | | | | | | | | |
| 995 | ---- | ---- | ---- | .00040N | .00050 | + 0.00010 | .015 | ---- | ---- | 146 | | UNCH | .00100B | .00020 |
| 1000 | ---- | ---- | ---- | .00045N | .00060 | + 0.00015 | .017 | ---- | ---- | 111 | | UNCH | .00120 | .00020 |
| 1005 | ---- | ---- | ---- | .00050N | .00060 | + 0.00010 | .018 | ---- | ---- | 129 | | UNCH | .00120B | .00020 |
| 1010 | ---- | ---- | ---- | .16990N | .16060 | - 0.00930 | .979 | ---- | ---- | 2 | | UNCH | .20660B | .15630A |
| 1010 | ---- | ---- | ---- | .00050N | .00070 | + 0.00020 | .020 | ---- | ---- | 91 | | UNCH | .00140B | .00025A |
| 1015 | ---- | ---- | ---- | .16500N | .15570 | - 0.00930 | .976 | ---- | 1 | 3 | + | 1 | .20170B | .15150A |
| 1015 | ---- | ---- | ---- | .00060N | .00080 | + 0.00020 | .023 | ---- | ---- | 15 | | UNCH | .00150B | .00035 |
| 1020 | ---- | ---- | ---- | .16010N | .15080 | - 0.00930 | .975 | ---- | 2 | 5 | + | 2 | .19680B | .14670A |
| 1020 | ---- | ---- | ---- | .00070N | .00080 | + 0.00010 | .024 | ---- | ---- | 119 | | UNCH | .00180 | .00015 |
| 1025 | ---- | ---- | ---- | .15520N | .14600 | - 0.00920 | .970 | ---- | ---- | 1 | | UNCH | .19190B | .14180A |
| 1025 | ---- | ---- | ---- | .00080N | .00100 | + 0.00020 | .029 | ---- | ---- | 27 | | UNCH | .00190B | .00035A |
| 1030 | ---- | ---- | ---- | .15040N | .14110 | - 0.00930 | .967 | ---- | 1 | 2 | + | 1 | .18700B | .13710A |
| 1030 | ---- | ---- | ---- | .00080N | .00110 | + 0.00030 | .032 | ---- | 10 | 39 | + | 7 | .00230 | .00030A |
| 1035 | ---- | ---- | ---- | .00100N | .00120 | + 0.00020 | .035 | ---- | ---- | 291 | | UNCH | .00230B | .00035A |
| 1040 | ---- | ---- | ---- | .00110N | .00130 | + 0.00020 | .038 | ---- | ---- | 254 | | UNCH | .00270 | .00035A |
| 1045 | ---- | ---- | ---- | .00120N | .00150 | + 0.00030 | .043 | ---- | 50 | 129 | + | 50 | .00280B | .00040A |
| 1050 | ---- | ---- | ---- | .00140N | .00170 | + 0.00030 | .049 | ---- | 25 | 252 | + | 25 | .00330 | .00035A |
| 1055 | ---- | ---- | ---- | .12630N | .11720 | - 0.00910 | .945 | ---- | ---- | 2 | | UNCH | .16460B | .11340A |
| 1055 | ---- | ---- | ---- | .00150N | .00190 | + 0.00040 | .054 | ---- | 1 | 190 | - | 1 | .00350B | .00045A |
| 1060 | ---- | ---- | ---- | .12150N | .11250 | - 0.00900 | .939 | ---- | ---- | 1 | | UNCH | .17350B | .10870A |
| 1060 | ---- | ---- | ---- | .00170N | .00210 | + 0.00040 | .060 | ---- | ---- | 328 | | UNCH | .00400 | .00050A |
| 1065 | ---- | ---- | ---- | .00190N | .00240 | + 0.00050 | .068 | ---- | 1 | 560 | | UNCH | .00420B | .00045A |
| 1070 | ---- | ---- | ---- | .00210N | .00270 | + 0.00060 | .076 | ---- | 1 | 1295 | - | 1 | .00470B | .00070A |
| 1070 | ---- | ---- | ---- | .11200N | .10310 | - 0.00890 | .923 | ---- | ---- | 1 | | UNCH | .17060B | .09950A |
| 1075 | ---- | ---- | ---- | .10730N | .09850 | - 0.00880 | .915 | ---- | 6 | 8 | + | 6 | .17030B | .09490A |
| 1075 | ---- | ---- | ---- | .00240N | .00300 | + 0.00060 | .084 | ---- | 2 | 224 | - | 1 | .00510B | .00040 |
| 1080 | ---- | ---- | ---- | .10270N | .09390 | - 0.00880 | .905 | ---- | 10 | 11 | + | 10 | .16550B | .09040A |
| 1080 | ---- | ---- | ---- | .00270N | .00340 | + 0.00070 | .094 | ---- | 3 | 504 | | UNCH | .00560B | .00080A |
| 1085 | ---- | ---- | ---- | .09800N | .08930 | - 0.00870 | .897 | ---- | 9 | 12 | + | 9 | .16060B | .08590A |
| 1085 | ---- | ---- | ---- | .00300N | .00370 | + 0.00070 | .102 | ---- | 3 | 370 | | UNCH | .00610B | .00090A |
| 1090 | ---- | ---- | ---- | .09340N | .08480 | - 0.00860 | .884 | ---- | 10 | 16 | + | 10 | .15580B | .08150A |
| 1090 | ---- | ---- | ---- | .00330N | .00420 | + 0.00090 | .115 | ---- | ---- | 97 | | UNCH | .00680B | .00100A |
| 1095 | ---- | ---- | ---- | .08880N | .08030 | - 0.00850 | .872 | ---- | 6 | 8 | + | 6 | .15100B | .07710A |
| 1095 | ---- | ---- | ---- | .00370N | .00470 | + 0.00100 | .127 | ---- | 8 | 65 | - | 8 | .00760B | .00100A |
| 1100 | ---- | ---- | ---- | .08430N | .07590 | - 0.00840 | .859 | ---- | 12 | 16 | + | 12 | .14610B | .07280A |
| 1100 | ---- | ---- | ---- | .00420N | .00520 | + 0.00100 | .140 | ---- | 44 | 1568 | + | 43 | .00830 | .00100A |
| 1105 | ---- | ---- | ---- | .07990N | .07150 | - 0.00840 | .845 | ---- | 2 | 6 | + | 2 | .14130B | .06860A |
| 1105 | ---- | ---- | ---- | .00470N | .00580 | + 0.00110 | .154 | ---- | ---- | 132 | | UNCH | .00910B | .00100 |
| 1110 | ---- | ---- | ---- | .07550N | .06720 | - 0.00830 | .828 | ---- | ---- | 2 | | UNCH | .13650B | .06450A |
| 1110 | ---- | ---- | ---- | .00520N | .00650 | + 0.00130 | .171 | ---- | ---- | 2152 | | UNCH | .00990B | .00120 |
| 1115 | ---- | ---- | ---- | .07110N | .06300 | - 0.00810 | .812 | ---- | ---- | 1 | | UNCH | .13180B | .06040A |
| 1115 | ---- | ---- | ---- | .00580N | .00720 | + 0.00140 | .187 | ---- | 5 | 197 | | UNCH | .01090B | .00150 |
| 1120 | ---- | ---- | ---- | .00650N | .00800 | + 0.00150 | .206 | ---- | 3 | 1200 | + | 2 | .01190B | .00160 |
| 1125 | ---- | ---- | ---- | .00730N | .00890 | + 0.00160 | .226 | ---- | ---- | 254 | | UNCH | .01310B | .00160 |
| 1125 | ---- | ---- | ---- | .06270N | .05480 | - 0.00790 | .773 | ---- | ---- | 1 | | UNCH | .12230B | .05250A |
| 1130 | ---- | ---- | ---- | .00810N | .00990 | + 0.00180 | .248 | ---- | 42 | 606 | | UNCH | .01430B | .00160 |
| 1130 | ---- | ---- | ---- | .05850N | .05090 | - 0.00760 | .751 | ---- | ---- | 5 | | UNCH | .11760B | .04880A |
| 1135 | ---- | ---- | ---- | .00900N | .01110 | + 0.00210 | .272 | ---- | 1 | 162 | - | 1 | .01560B | .00160 |
| 1135 | ---- | ---- | ---- | .05450N | .04710 | - 0.00740 | .727 | ---- | ---- | 1 | | UNCH | .11290B | .04510A |
| 1140 | ---- | ---- | ---- | .01000N | .01230 | + 0.00230 | .297 | ---- | ---- | 296 | | UNCH | .01700B | .00170 |
| 1145 | ---- | ---- | ---- | .01110N | .01370 | + 0.00260 | .324 | ---- | ---- | 222 | | UNCH | .01850B | .00220A |
| 1145 | ---- | ---- | ---- | .04670N | .03980 | - 0.00690 | .675 | ---- | ---- | 3 | | UNCH | .10360B | .03820A |
| 1150 | ---- | ---- | ---- | .04300N | .03640 | - 0.00660 | .646 | ---- | ---- | 7 | | UNCH | .09930B | .03490A |
| 1150 | ---- | ---- | ---- | .01240N | .01520 | + 0.00280 | .353 | ---- | 12 | 669 | + | 12 | .02090 | .00240A |
| 1155 | ---- | ---- | ---- | .03940N | .03310 | - 0.00630 | .616 | ---- | ---- | 18 | | UNCH | .09480B | .03180A |
| 1155 | ---- | ---- | ---- | .01380N | .01690 | + 0.00310 | .383 | ---- | 10 | 157 | + | 10 | .02200B | .00260A |
| 1160 | ---- | ---- | ---- | .03600N | .03000 | - 0.00600 | .585 | ---- | ---- | 309 | | UNCH | .10010B | .02890A |
| 1160 | ---- | ---- | ---- | .01530N | .01870 | + 0.00340 | .414 | ---- | 25 | 578 | | UNCH | .02390B | .00280A |
| 1165 | ---- | ---- | ---- | .03280N | .02700 | - 0.00580 | .552 | ---- | ---- | 39 | | UNCH | .10000B | .02610A |
| 1165 | ---- | ---- | ---- | .01700N | .02080 | + 0.00380 | .447 | ---- | ---- | 92 | | UNCH | .02590B | .00310A |
| 1170 | ---- | ---- | ---- | .02970N | .02430 | - 0.00540 | .519 | ---- | 12 | 193 | + | 12 | .09700B | .02360A |
| 1170 | ---- | ---- | ---- | .01890N | .02300 | + 0.00410 | .480 | ---- | 15 | 363 | | UNCH | .02820B | .00350A |
| 1175 | ---- | ---- | ---- | .02090N | .02530 | + 0.00440 | .514 | ---- | 87 | 638 | - | 87 | .03070B | .00390A |
| 1175 | ---- | ---- | ---- | .02680N | .02170 | - 0.00510 | .485 | ---- | ---- | 127 | | UNCH | .09240B | .02120A |
| 1180 | ---- | ---- | ---- | .02400N | .01940 | - 0.00460 | .451 | ---- | ---- | 75 | | UNCH | .08800B | .01880A |
| 1180 | ---- | ---- | ---- | .02310N | .02790 | + 0.00480 | .548 | ---- | 21 | 488 | + | 19 | .03320B | .00440A |
| 1185 | ---- | ---- | ---- | .02150N | .01720 | - 0.00430 | .417 | ---- | 2 | 186 | + | 2 | .08360B | .01670A |
| 1185 | ---- | ---- | ---- | .02560N | .03070 | + 0.00510 | .582 | ---- | 25 | 617 | + | 9 | .03590B | .00490A |
| 1190 | ---- | ---- | ---- | .02820N | .03360 | + 0.00540 | .616 | ---- | ---- | 1218 | | UNCH | .03890B | .00570A |
| 1190 | ---- | ---- | ---- | .01910N | .01510 | - 0.00400 | .383 | ---- | 8 | 845 | + | 8 | .07920B | .01480A |
| 1195 | ---- | ---- | ---- | .01700N | .01330 | - 0.00370 | .350 | ---- | 1 | 282 | + | 1 | .07500B | .01300A |
| 1195 | ---- | ---- | ---- | .03100N | .03680 | + 0.00580 | .649 | ---- | ---- | 75 | | UNCH | .04190B | .00630A |
| 1200 | ---- | ---- | ---- | .01500N | .01170 | - 0.00330 | .319 | ---- | 503 | 1548 | + | 465 | .07080B | .01140A |
| 1200 | ---- | ---- | ---- | .03390N | .04010 | + 0.00620 | .680 | ---- | ---- | 353 | | UNCH | .04500B | .00700A |
| 1205 | ---- | ---- | ---- | .01320N | .01020 | - 0.00300 | .289 | ---- | 6 | 79 | + | 6 | .06670B | .01000A |
| 1205 | ---- | ---- | ---- | .03710N | .04360 | + 0.00650 | .710 | ---- | ---- | 125 | | UNCH | .04790B | .00790A |
| 1210 | ---- | ---- | ---- | .04050N | .04720 | + 0.00670 | .738 | ---- | ---- | 50 | | UNCH | .05140B | .00890A |
| 1210 | ---- | ---- | ---- | .01160N | .00890 | - 0.00270 | .261 | ---- | ---- | 807 | | UNCH | .06270B | .00870A |
| 1215 | ---- | ---- | ---- | .01020N | .00780 | - 0.00240 | .235 | ---- | 1 | 39 | | UNCH | .05880B | .00760A |
| 1215 | ---- | ---- | ---- | .04400N | .05100 | + 0.00700 | .764 | ---- | 1 | 6 | + | 1 | .05520B | .00990A |
| 1220 | ---- | ---- | ---- | .00890N | .00670 | - 0.00220 | .209 | ---- | 4 | 470 | + | 3 | .05510B | .00660A |
| 1220 | ---- | ---- | ---- | .04760N | .05500 | + 0.00740 | .790 | ---- | 1 | 69 | + | 1 | .05920B | .01110A |
| 1225 | ---- | ---- | ---- | .00780N | .00590 | - 0.00190 | .188 | ---- | 29 | 255 | + | 24 | .05150B | .00580A |
| 1225 | ---- | ---- | ---- | .05150N | .05900 | + 0.00750 | .811 | ---- | ---- | 71 | | UNCH | .06330B | .01240A |
| 1230 | ---- | ---- | ---- | .05540N | .06320 | + 0.00780 | .832 | ---- | 1 | 76 | + | 1 | .06750B | .01370A |
| 1230 | ---- | ---- | ---- | .00680N | .00510 | - 0.00170 | .167 | ---- | ---- | 631 | | UNCH | .05040B | .00510A |
| 1235 | ---- | ---- | ---- | .00590N | .00450 | - 0.00140 | .150 | ---- | 52 | 159 | + | 28 | .04980B | .00440A |
| 1235 | ---- | ---- | ---- | .05950N | .06750 | + 0.00800 | .849 | ---- | 1 | 9 | + | 1 | .07190B | .01510A |
| 1240 | ---- | ---- | ---- | .00510N | .00390 | - 0.00120 | .133 | ---- | 2 | 232 | + | 2 | .04990B | .00390A |
| 1240 | ---- | ---- | ---- | .06370N | .07190 | + 0.00820 | .866 | ---- | ---- | 66 | | UNCH | .07620B | .01660A |
| 1245 | ---- | ---- | ---- | .00450N | .00340 | - 0.00110 | .118 | ---- | 2 | 476 | | UNCH | .05180B | .00330 |
| 1245 | ---- | ---- | ---- | .06800N | .07640 | + 0.00840 | .881 | ---- | ---- | 250 | | UNCH | .08070B | .01830A |
| 1250 | ---- | ---- | ---- | .07240N | .08090 | + 0.00850 | .894 | ---- | ---- | 88 | | UNCH | .08520B | .02010A |
| 1250 | ---- | ---- | ---- | .00390N | .00300 | - 0.00090 | .105 | ---- | 111 | 448 | + | 26 | .05140B | .00300A |
| 1255 | ---- | ---- | ---- | .07690N | .08550 | + 0.00860 | .906 | ---- | ---- | 61 | | UNCH | .08970B | .02210A |
| 1255 | ---- | ---- | ---- | .00340N | .00260 | - 0.00080 | .093 | ---- | 2 | 109 | | UNCH | .04840B | .00260A |

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# EURO FX & CME$INDEX OPTIONS

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EUU OPT | | | | | | | | | | | | | |
| | EUU OPT | | | | | | | | | | | | |
| 1260 | ---- | ---- | ---- | .00300N | .00230 | - 0.00070 | .083 | ---- | 4 | 557 | UNCH | .04550B | .00230A |
| 1260 | ---- | ---- | ---- | .08140N | .09020 | + 0.00880 | .916 | ---- | ---- | 10 | UNCH | .09430B | .02420A |
| 1265 | ---- | ---- | ---- | .08600N | .09480 | + 0.00880 | .926 | ---- | ---- | 1 | UNCH | .09900B | .02640A |
| 1265 | ---- | ---- | ---- | .00260N | .00200 | - 0.00060 | .073 | ---- | 7 | 179 | UNCH | .04440B | .00200A |
| 1270 | ---- | ---- | ---- | .09060N | .09950 | + 0.00890 | .933 | ---- | ---- | 4 | UNCH | .10370B | .02890A |
| 1270 | ---- | ---- | ---- | .00230N | .00180 | - 0.00050 | .066 | ---- | 27 | 838 + | 27 | .04200 | .00170 |
| 1275 | ---- | ---- | ---- | .00200N | .00150 | - 0.00050 | .057 | ---- | 2 | 1477 | UNCH | .03870B | .00150 |
| 1275 | ---- | ---- | ---- | .09520N | .10430 | + 0.00910 | .942 | ---- | ---- | 56 | UNCH | .10840B | .03140A |
| 1280 | ---- | ---- | ---- | .00170N | .00140 | - 0.00030 | .052 | ---- | ---- | 359 | UNCH | .03660B | .00140A |
| 1280 | ---- | ---- | ---- | .09990N | .10900 | + 0.00910 | .947 | ---- | ---- | 3 | UNCH | .11310B | .03390A |
| 1285 | ---- | ---- | ---- | .00150N | .00120 | - 0.00030 | .046 | ---- | ---- | 306 | UNCH | .03390B | .00120A |
| 1285 | ---- | ---- | ---- | .10470N | .11380 | + 0.00910 | .953 | ---- | ---- | 1 | UNCH | .11790B | .03650A |
| 1290 | ---- | ---- | ---- | .00130N | .00110 | - 0.00020 | .042 | ---- | ---- | 298 | UNCH | .03270B | .00110A |
| 1295 | ---- | ---- | ---- | .00120N | .00090 | - 0.00030 | .035 | ---- | ---- | 477 | UNCH | .03050B | .00100A |
| 1300 | ---- | ---- | ---- | .00100N | .00080 | - 0.00020 | .031 | ---- | 1 | 294 + | 1 | .02850B | .00080 |
| 1305 | ---- | ---- | ---- | .00090N | .00070 | - 0.00020 | .027 | ---- | ---- | 185 | UNCH | .02670B | .00080A |
| 1310 | ---- | ---- | ---- | .00080N | .00060 | - 0.00020 | .024 | ---- | ---- | 630 | UNCH | .02490B | .00070A |
| 1315 | ---- | ---- | ---- | .00070N | .00060 | - 0.00010 | .023 | ---- | ---- | 482 | UNCH | .02330B | .00060A |
| 1320 | ---- | ---- | ---- | .00060N | .00050 | - 0.00010 | .020 | ---- | 1 | 615 - | 1 | .02030B | .00050 |
| 1325 | ---- | ---- | ---- | .00050N | .00045 | - 0.00005 | .018 | ---- | ---- | 381 | UNCH | .01900B | .00045A |
| 1330 | ---- | ---- | ---- | .00045N | .00040 | - 0.00005 | .016 | ---- | ---- | 155 | UNCH | .01770B | .00040A |
| 1335 | ---- | ---- | ---- | .00040N | .00035 | - 0.00005 | .014 | ---- | ---- | 79 | UNCH | .01660B | .00035A |
| 1340 | ---- | ---- | ---- | .00035N | .00030 | - 0.00005 | .012 | ---- | ---- | 199 | UNCH | .01550B | .00040A |
| 1345 | ---- | ---- | ---- | .00030N | .00030 | UNCH | .012 | ---- | ---- | 11 | UNCH | .01450B | .00035A |
| 1350 | ---- | ---- | ---- | .16780N | .17730 | + 0.00950 | .989 | ---- | ---- | 2 | UNCH | .17470B | .08980A |
| 1350 | ---- | ---- | ---- | .00025N | .00025 | UNCH | .010 | ---- | ---- | 74 | UNCH | .01350B | .00030A |
| 1355 | ---- | ---- | ---- | .00025N | .00020 | - 0.00005 | .008 | ---- | ---- | 60 | UNCH | .01270B | .00025A |
| 1355 | ---- | ---- | ---- | .17280N | .18220 | + 0.00940 | .991 | ---- | ---- | 5 | UNCH | .17960B | .09420A |
| 1360 | ---- | ---- | ---- | .17770N | .18720 | + 0.00950 | .991 | ---- | ---- | 5 | UNCH | .18450B | .09860A |
| 1360 | ---- | ---- | ---- | .00020N | .00020 | UNCH | .008 | ---- | ---- | 68 | UNCH | .01180B | .00025A |
| 1365 | ---- | ---- | ---- | .00020N | .00015 | - 0.00005 | .006 | ---- | ---- | 56 | UNCH | .01110B | .00020A |
| 1365 | ---- | ---- | ---- | .18260N | .19210 | + 0.00950 | .993 | ---- | ---- | 15 | UNCH | .17550B | .11900A |
| 1370 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .006 | ---- | ---- | 30 | UNCH | .01040B | .00020A |
| 1370 | ---- | ---- | ---- | .18760N | .19700 | + 0.00940 | .993 | ---- | ---- | 4 | UNCH | .17630B | .12370A |
| 1375 | ---- | ---- | ---- | .00015N | .00015 | UNCH | .006 | ---- | ---- | 77 | UNCH | .00970B | .00025A |
| 1375 | ---- | ---- | ---- | .19250N | .20200 | + 0.00950 | .993 | ---- | ---- | 4 | UNCH | .18110B | .12840A |
| 1380 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .004 | ---- | ---- | 15 | UNCH | .00910B | .00020A |
| 1380 | ---- | ---- | ---- | .19740N | .20690 | + 0.00950 | .995 | ---- | ---- | 4 | UNCH | .18600B | .13310A |
| 1385 | ---- | ---- | ---- | .00015N | .00010 | - 0.00005 | .004 | ---- | ---- | 14 | UNCH | .00850B | .00020A |
| 1390 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .004 | ---- | ---- | 78 | UNCH | .00800B | .00020A |
| 1395 | ---- | ---- | ---- | .00010N | .00010 | UNCH | .004 | ---- | ---- | 14 | UNCH | .00750B | .00020A |
| 1400 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .002 | ---- | ---- | 50 | UNCH | .00700B | .00015A |
| 1405 | ---- | ---- | ---- | .00010N | .00005 | - 0.00005 | .001 | ---- | ---- | 33 | UNCH | .00230B | .00015A |
| TOTAL | | | | | | | | | 1234 | 33790 + | 745 | | |
| MAR19 | EUU OPT | | | | | | | | | | | | |
| 1040 | ---- | ---- | ---- | .00230N | .00280 | + 0.00050 | .061 | ---- | ---- | 2 | UNCH | .00310B | .00210 |
| 1045 | ---- | ---- | ---- | .00250N | .00300 | + 0.00050 | .066 | ---- | ---- | 1 | UNCH | .00350B | .00240A |
| 1050 | ---- | ---- | ---- | .00270N | .00330 | + 0.00060 | .072 | ---- | ---- | 7 | UNCH | .00380B | .00260A |
| 1055 | ---- | ---- | ---- | .00300N | .00360 | + 0.00060 | .078 | ---- | ---- | 9 | UNCH | .00410B | .00280A |
| 1060 | ---- | ---- | ---- | .00330N | .00390 | + 0.00060 | .085 | ---- | ---- | 1 | UNCH | .00450B | .00230A |
| 1065 | ---- | ---- | ---- | .00360N | .00430 | + 0.00070 | .093 | ---- | ---- | 32 | UNCH | .00490B | .00250A |
| 1070 | ---- | ---- | ---- | .00390N | .00460 | + 0.00070 | .099 | ---- | ---- | 7 | UNCH | .00540B | .00280A |
| 1075 | ---- | ---- | ---- | .00430N | .00500 | + 0.00070 | .108 | ---- | ---- | 6 | UNCH | .00720B | .00300A |
| 1080 | ---- | ---- | ---- | .00470N | .00550 | + 0.00080 | .117 | ---- | ---- | 90 | UNCH | .00790B | .00330A |
| 1085 | ---- | ---- | ---- | .00510N | .00600 | + 0.00090 | .127 | ---- | ---- | 189 | UNCH | .00860B | .00360A |
| 1090 | ---- | ---- | ---- | .00560N | .00650 | + 0.00090 | .137 | ---- | ---- | 41 | UNCH | .00920B | .00390A |
| 1095 | ---- | ---- | ---- | .00610N | .00710 | + 0.00100 | .148 | ---- | ---- | 6 | UNCH | .00990B | .00260A |
| 1100 | ---- | ---- | ---- | .00660N | .00770 | + 0.00110 | .160 | ---- | ---- | 125 | UNCH | .01070B | .00240A |
| 1105 | ---- | ---- | ---- | .00720N | .00840 | + 0.00120 | .173 | ---- | ---- | 8 | UNCH | .01150B | .00270A |
| 1110 | ---- | ---- | ---- | .00780N | .00920 | + 0.00140 | .187 | ---- | ---- | 5 | UNCH | .01240B | .00290A |
| 1115 | ---- | ---- | ---- | .00850N | .01000 | + 0.00150 | .202 | ---- | ---- | 40 | UNCH | .01330B | .00330A |
| 1120 | ---- | ---- | ---- | .00930N | .01080 | + 0.00150 | .217 | ---- | 11 | 63 + | 8 | .01430B | .00350 |
| 1125 | ---- | ---- | ---- | .01010N | .01180 | + 0.00170 | .234 | ---- | ---- | 41 | UNCH | .01550B | .00410A |
| 1130 | ---- | ---- | ---- | .01090N | .01280 | + 0.00190 | .251 | ---- | ---- | 209 | UNCH | .01670B | .00450A |
| 1135 | ---- | ---- | ---- | .01190N | .01400 | + 0.00210 | .271 | ---- | ---- | 26 | UNCH | .01790B | .00500A |
| 1140 | ---- | ---- | ---- | .01290N | .01520 | + 0.00230 | .290 | ---- | ---- | 104 | UNCH | .01930B | .00500 |
| 1145 | ---- | ---- | ---- | .01400N | .01650 | + 0.00250 | .311 | ---- | ---- | 10 | UNCH | .02070B | .00620A |
| 1145 | ---- | ---- | ---- | .05870N | .05170 | - 0.00700 | .688 | ---- | ---- | 3 | UNCH | .06430B | .05030A |
| 1150 | ---- | ---- | ---- | .01520N | .01800 | + 0.00280 | .333 | ---- | ---- | 195 | UNCH | .02230B | .00490 |
| 1150 | ---- | ---- | ---- | .05500N | .04820 | - 0.00680 | .666 | ---- | ---- | 3 | UNCH | .06200B | .04700A |
| 1155 | ---- | ---- | ---- | .05140N | .04490 | - 0.00650 | .643 | ---- | ---- | 4 | UNCH | .05880B | .04370A |
| 1155 | ---- | ---- | ---- | .01650N | .01960 | + 0.00310 | .356 | ---- | ---- | 51 | UNCH | .02420B | .00750A |
| 1160 | ---- | ---- | ---- | .04790N | .04170 | - 0.00620 | .619 | ---- | 1 | 9 | UNCH | .05780B | .04060A |
| 1160 | ---- | ---- | ---- | .01800N | .02130 | + 0.00330 | .380 | ---- | 10 | 91 | UNCH | .02600B | .00670A |
| 1165 | ---- | ---- | ---- | .01950N | .02310 | + 0.00360 | .405 | ---- | ---- | 82 | UNCH | .02800B | .00650A |
| 1165 | ---- | ---- | ---- | .04450N | .03860 | - 0.00590 | .594 | ---- | ---- | 33 | UNCH | .05740B | .03770A |
| 1170 | ---- | ---- | ---- | .02120N | .02510 | + 0.00390 | .430 | ---- | ---- | 26 | UNCH | .03000B | .00650A |
| 1170 | ---- | ---- | ---- | .04130N | .03560 | - 0.00570 | .569 | ---- | ---- | 20 | UNCH | .05590B | .03490A |
| 1175 | ---- | ---- | ---- | .02310N | .02720 | + 0.00410 | .457 | ---- | ---- | 74 | UNCH | .03220B | .00690A |
| 1175 | ---- | ---- | ---- | .03820N | .03280 | - 0.00540 | .542 | ---- | ---- | 53 | UNCH | .05720B | .03220A |
| 1180 | ---- | ---- | ---- | .03530N | .03010 | - 0.00520 | .516 | ---- | ---- | 45 | UNCH | .05700B | .02950A |
| 1180 | ---- | ---- | ---- | .02510N | .02940 | + 0.00430 | .483 | ---- | ---- | 20 | UNCH | .03450B | .00720A |
| 1185 | ---- | ---- | ---- | .03240N | .02760 | - 0.00480 | .489 | ---- | ---- | 8 | UNCH | .05520B | .02710A |
| 1185 | ---- | ---- | ---- | .02720N | .03180 | + 0.00460 | .510 | ---- | ---- | 99 | UNCH | .03700B | .00780A |
| 1190 | ---- | ---- | ---- | .02940N | .03430 | + 0.00490 | .537 | ---- | ---- | 26 | UNCH | .03950B | .00850A |
| 1190 | ---- | ---- | ---- | .02980N | .02520 | - 0.00460 | .462 | ---- | ---- | 166 | UNCH | .05310B | .02470A |
| 1195 | ---- | ---- | ---- | .02730N | .02290 | - 0.00440 | .435 | ---- | ---- | 17 | UNCH | .05030 | .02250A |
| 1195 | ---- | ---- | ---- | .03180N | .03700 | + 0.00520 | .564 | ---- | ---- | 192 | UNCH | .04220B | .00860A |
| 1200 | ---- | ---- | ---- | .02490N | .02090 | - 0.00400 | .409 | ---- | ---- | 38 | UNCH | .04920B | .02050A |
| 1200 | ---- | ---- | ---- | .03440N | .03990 | + 0.00550 | .590 | ---- | ---- | 80 | UNCH | .04500B | .00940A |
| 1205 | ---- | ---- | ---- | .03710N | .04290 | + 0.00580 | .617 | ---- | ---- | 153 | UNCH | .04790B | .01030A |
| 1205 | ---- | ---- | ---- | .02270N | .01890 | - 0.00380 | .382 | ---- | ---- | 88 | UNCH | .04600B | .01860A |
| 1210 | ---- | ---- | ---- | .04000N | .04600 | + 0.00600 | .643 | ---- | ---- | 67 | UNCH | .05100B | .01120A |
| 1210 | ---- | ---- | ---- | .02060N | .01710 | - 0.00350 | .356 | ---- | ---- | 206 | UNCH | .04530B | .01680A |
| 1215 | ---- | ---- | ---- | .04300N | .04920 | + 0.00620 | .668 | ---- | ---- | 170 | UNCH | .05410B | .01230A |
| 1215 | ---- | ---- | ---- | .01870N | .01540 | - 0.00330 | .331 | ---- | ---- | 54 | UNCH | .04210B | .01520A |
| 1220 | ---- | ---- | ---- | .04620N | .05270 | + 0.00650 | .692 | ---- | 10 | 14 - | 1 | .05740B | .01340A |
| 1220 | ---- | ---- | ---- | .01690N | .01390 | - 0.00300 | .307 | ---- | ---- | 1 | UNCH | .04560B | .01370A |
| 1225 | ---- | ---- | ---- | .01530N | .01250 | - 0.00280 | .284 | ---- | ---- | 109 | UNCH | .04260B | .01230A |
| 1225 | ---- | ---- | ---- | .04950N | .05620 | + 0.00670 | .715 | ---- | ---- | 21 | UNCH | .05980B | .01450A |
| 1230 | ---- | ---- | ---- | .01380N | .01130 | - 0.00250 | .263 | ---- | ---- | 3 | UNCH | .05190B | .01110A |
| 1230 | ---- | ---- | ---- | .05290N | .05990 | + 0.00700 | .736 | ---- | ---- | 24 | UNCH | .06340B | .01580A |
| 1235 | ---- | ---- | ---- | .01240N | .01010 | - 0.00230 | .241 | ---- | ---- | 4 | UNCH | .05330B | .01000A |
| 1235 | ---- | ---- | ---- | .05640N | .06360 | + 0.00720 | .758 | ---- | ---- | 49 | UNCH | .06720B | .01720A |
| 1240 | ---- | ---- | ---- | .06010N | .06760 | + 0.00750 | .777 | ---- | ---- | 8 | UNCH | .07110B | .01870A |
| 1240 | ---- | ---- | ---- | .01120N | .00910 | - 0.00210 | .222 | ---- | ---- | 67 | UNCH | .05490B | .00900A |
| 1245 | ---- | ---- | ---- | .06390N | .07160 | + 0.00770 | .795 | ---- | ---- | 20 | UNCH | .07510B | .02030A |
| 1245 | ---- | ---- | ---- | .01010N | .00820 | - 0.00190 | .204 | ---- | ---- | 175 | UNCH | .05530B | .00810A |
| 1250 | ---- | ---- | ---- | .00910N | .00740 | - 0.00170 | .187 | ---- | ---- | 92 | UNCH | .05320B | .00730A |
| 1250 | ---- | ---- | ---- | .06780N | .07570 | + 0.00790 | .812 | ---- | ---- | 3 | UNCH | .07920B | .02200A |
| 1255 | ---- | ---- | ---- | .00810N | .00670 | - 0.00140 | .172 | ---- | ---- | 96 | UNCH | .05110B | .00660A |
| 1255 | ---- | ---- | ---- | .07190N | .07990 | + 0.00800 | .827 | ---- | ---- | 4 | UNCH | .08340B | .02380A |
| 1260 | ---- | ---- | ---- | .07600N | .08420 | + 0.00820 | .842 | ---- | ---- | 13 | UNCH | .08770B | .02570A |
| 1260 | ---- | ---- | ---- | .00730N | .00600 | - 0.00130 | .157 | ---- | ---- | 123 | UNCH | .04810B | .00600A |
| 1265 | ---- | ---- | ---- | .00660N | .00540 | - 0.00120 | .144 | ---- | ---- | 23 | UNCH | .04520B | .00540A |
| 1265 | ---- | ---- | ---- | .08020N | .08850 | + 0.00830 | .855 | ---- | ---- | 3 | UNCH | .09210B | .02780A |
| 1270 | ---- | ---- | ---- | .00590N | .00490 | - 0.00100 | .132 | ---- | 11 | 179 + | 1 | .04250B | .00490A |
| 1275 | ---- | ---- | ---- | .00530N | .00440 | - 0.00090 | .120 | ---- | ---- | 173 | UNCH | .03990B | .00440A |
| 1280 | ---- | ---- | ---- | .00480N | .00400 | - 0.00080 | .110 | ---- | 4 | 233 + | 4 | .03700B | .00400A |
| 1285 | ---- | ---- | ---- | .00440N | .00360 | - 0.00080 | .101 | ---- | ---- | 25 | UNCH | .03470B | .00360A |
| 1290 | ---- | ---- | ---- | .00390N | .00330 | - 0.00060 | .093 | ---- | ---- | 294 | UNCH | .03280B | .00330A |
| 1295 | ---- | ---- | ---- | .00360N | .00290 | - 0.00070 | .083 | ---- | ---- | 30 | UNCH | .03080B | .00300A |
| 1300 | ---- | ---- | ---- | .00320N | .00260 | - 0.00060 | .075 | ---- | 3 | 451 - | 3 | .02840B | .00270A |
| 1305 | ---- | ---- | ---- | .00290N | .00240 | - 0.00050 | .070 | ---- | ---- | 34 | UNCH | .02660B | .00250A |
| 1310 | ---- | ---- | ---- | .00270N | .00220 | - 0.00050 | .064 | ---- | 1 | 167 | UNCH | .02490B | .00220 |
| 1315 | ---- | ---- | ---- | .00240N | .00200 | - 0.00040 | .059 | ---- | ---- | 283 | UNCH | .02320B | .00200A |
| 1320 | ---- | ---- | ---- | .00220N | .00180 | - 0.00040 | .053 | ---- | ---- | 16 | UNCH | .02170B | .00180A |
| 1325 | ---- | ---- | ---- | .00200N | .00170 | - 0.00030 | .050 | ---- | 6 | 40 | UNCH | .02030B | .00170A |
| 1330 | ---- | ---- | ---- | .00180N | .00150 | - 0.00030 | .045 | ---- | ---- | 25 | UNCH | .01900B | .00150A |
| 1335 | ---- | ---- | ---- | .00160N | .00140 | - 0.00020 | .042 | ---- | ---- | 7 | UNCH | .01770B | .00140A |
| 1340 | ---- | ---- | ---- | .00140N | .00130 | - 0.00010 | .039 | ---- | ---- | 22 | UNCH | .01660B | .00150A |
| 1345 | ---- | ---- | ---- | .00130N | .00120 | - 0.00010 | .036 | ---- | ---- | 19 | UNCH | .01550B | .00120A |
| 1350 | ---- | ---- | ---- | .00120N | .00110 | - 0.00010 | .033 | ---- | ---- | 44 | UNCH | .01450B | .00110A |
| 1355 | ---- | ---- | ---- | .00110N | .00100 | - 0.00010 | .030 | ---- | ---- | 71 | UNCH | .01360B | .00100A |
| 1360 | ---- | ---- | ---- | .00100N | .00090 | - 0.00010 | .027 | ---- | 1 | 1 | UNCH | .01280B | .00080 |
| 1370 | ---- | ---- | ---- | .00090N | .00070 | - 0.00020 | .022 | ---- | ---- | 1 | UNCH | .01120B | .00080A |
| 1375 | ---- | ---- | ---- | .00080N | .00060 | - 0.00020 | .019 | ---- | ---- | 11 | UNCH | .01050B | .00070A |
| 1380 | ---- | ---- | ---- | .00080N | .00060 | - 0.00020 | .019 | ---- | ---- | 6 | UNCH | .00980B | .00070A |
| 1390 | ---- | ---- | ---- | .00060N | .00050 | - 0.00010 | .016 | ---- | ---- | 52 | UNCH | .00870B | .00080A |
| 1400 | ---- | ---- | ---- | .00045N | .00040 | - 0.00005 | .013 | ---- | 1 | 39 | UNCH | .00760B | .00045A |
| 1405 | ---- | ---- | ---- | .00040N | .00040 | UNCH | .012 | ---- | 1 | 2 | UNCH | .00430B | .00045A |
| TOTAL | | | | | | | | | 60 | 6172 + | 9 | | |

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# EURO FX & CME$INDEX OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*

## FINAL



EUU OPT
JUN19

| | EUU OPT | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1080 | ---- | ---- | ---- | .00620N | .00740 | | NEW | .131 | ---- | 26 | 26 | + | 26 | .00810B | .00630 |
| 1100 | ---- | ---- | ---- | .00840N | .00970 | + | 0.00130 | .169 | ---- | ---- | 26 | | UNCH | .01050B | .00690A |
| 1150 | ---- | ---- | ---- | .01740N | .01950 | + | 0.00210 | .314 | ---- | ---- | 4 | | UNCH | .02160B | .01310A |
| 1195 | ---- | ---- | ---- | .03250N | .03720 | + | 0.00470 | .507 | ---- | 3 | 13 | + | 3 | .03980B | .02500A |
| 1200 | ---- | ---- | ---- | .03480N | .03010 | - | 0.00470 | .469 | ---- | 5 | 61 | + | 5 | .04530B | .02940 |
| 1200 | ---- | ---- | ---- | .03480N | .03970 | + | 0.00490 | .530 | ---- | 1 | 5 | + | 1 | .04190B | .02680A |
| 1205 | ---- | ---- | ---- | .03240N | .02780 | - | 0.00460 | .446 | ---- | ---- | 2 | | UNCH | .04250B | .02740A |
| 1220 | ---- | ---- | ---- | .02580N | .02170 | - | 0.00410 | .378 | ---- | ---- | 1 | | UNCH | .03450B | .02170A |
| 1260 | ---- | ---- | ---- | .01290N | .01100 | - | 0.00190 | .226 | ---- | ---- | 26 | | UNCH | .01870B | .01100A |
| 1270 | ---- | ---- | ---- | .01080N | .00920 | - | 0.00160 | .196 | ---- | ---- | 27 | | UNCH | .01610B | .00930A |
| 1280 | ---- | ---- | ---- | .00920N | .00770 | - | 0.00150 | .169 | ---- | ---- | 1 | | UNCH | .01380B | .00790A |
| 1330 | ---- | ---- | ---- | .00410N | .00340 | - | 0.00070 | .082 | ---- | ---- | 1 | | UNCH | .00640B | .00330 |
| TOTAL | | | | | | | | | | 35 | 193 | + | 35 | | |

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# NASDAQ 100, E-MINI NASDAQ 100 AND RUSSELL OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE = NASDAQ 100 = $2.50. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### NASDAQ 100 AND E-MINI NASDAQ 100 CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|
| E-MINI NASDAQ FUT | 06/15 | 09/21 | 12/21 | | |
| E-MINI NASDAQ OPT | 06/15 | 09/21 | 12/21 | 03/15 | 06/21 |

EXPIRATION:

### NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|
| QZ | 3900-9470 | 4120-9500 | 4350-9530 | 4370-9550 | 4890-9580 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMINI NASD FUT | | | | | | | | | | | | | |
| SEP18 | 7098.25 | 7151.50 | 6988.00 | 6998.25 | - | 10575 | 1000 | 545252 | 233717 | + | 74 | 7358.50 | 5696.75A |
| DEC18 | 7120.00 | 7177.25 | 7013.75 | 7023.25 | - | 10575 | ---- | 493 | 1814 | - | 17 | 7385.50B | 5917.25A |
| MAR19 | 7125.25 | 7190.25B | 7073.00A | 7051.75 | - | 10575 | ---- | 5 | 19 | + | 3 | 7398.25B | 6394.25A |
| JUN19 | ---- | ---- | ---- | 7079.50 | - | 10625 | ---- | ---- | 1 | | UNCH | 7316.00B | 6517.50A |
| TOTAL EMINI NASD FUT | | | | | | | 1000 | 545750 | 235551 | + | 60 | | |
| RTY FUT | | | | | | | | | | | | | |
| SEP18 | 1673.20 | 1675.80 | 1643.40 | 1644.40 | - | 3020 | 500 | 161908 | 549389 | - | 567 | 1720.80 | 1488.20A |
| DEC18 | 1677.00 | 1679.80B | *1649.50A | 1649.60 | - | 3060 | ---- | 3 | 20 | | UNCH | 1723.80B | 1649.50A |
| TOTAL RTY FUT | | | | | | | 1500 | 707661 | 549409 | - | 507 | | |

### ADDITIONAL NASDAQ 100 FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BTC FUT | | | | | | | | | | | | | |
| JUN18 | 6210.00 | 6210.00 | 5975.00 | 6160.00 | + | UNCH | ---- | 3229 | 725 | - | | 30420040.00 | 5960.00 |
| JUL18 | 6190.00 | 6205.00B | *5970.00A | 6135.00 | - | 3000 | ---- | 875 | 1542 | + | | 3159880.00B | 5970.00A |
| AUG18 | 6105.00 | 6175.00B | *5990.00A | 6140.00 | - | 3000 | ---- | 8 | 30 | | | UNCH7785.00B | 5990.00A |
| SEP18 | 6150.00 | 6200.00B | *6000.00 | 6150.00 | - | 2500 | ---- | 71 | 382 | - | | 199915.00B | 6000.00 |
| TOTAL BTC FUT | | | | | | | 0 | 4183 | ,679.00 | - | | 8 | |
| EI FUT | | | | | | | | | | | | | |
| SEP18 | ---- | ---- | *502.40A | 503.70 | - | 1040 | ---- | ---- | 5 | | | UNCH547.50B | 502.40A |
| TOTAL EI FUT | | | | | | | 0 | 0 | 5.00 | | | | |
| ENY FUT | | | | | | | | | | | | | |
| SEP18 | 22330.00 | 22390.00B | 22110.00A | 22130.00 | - | 17500 | ---- | 2 | 6 | - | | 122940.00B | 22010.00A |
| TOTAL ENY FUT | | | | | | | 0 | 2 | 6.00 | - | | 1 | |
| FT1 FUT | | | | | | | | | | | | | |
| SEP18 | 7494.00 | 7574.00B | 7448.00A | 7512.50 | + | 1050 | ---- | 160 | 5 | | | UNCH7728.00B | 7423.00A |
| TOTAL FT1 FUT | | | | | | | 0 | 160 | 5.00 | | | | |
| FT5 FUT | | | | | | | | | | | | | |
| SEP18 | 19325.00 | 19405.00B | *18775.00A | 18815.00 | - | 55500 | ---- | 101 | 155 | + | | 321140.00B | 18775.00A |
| TOTAL FT5 FUT | | | | | | | 0 | 101 | 155.00 | + | | 3 | |
| FTU FUT | | | | | | | | | | | | | |
| SEP18 | 1069.80 | 1082.20B | *1067.90A | 1084.60 | + | 310 | ---- | 130 | 1 | | | UNCH1121.10B | 1067.90A |
| TOTAL FTU FUT | | | | | | | 0 | 130 | 1.00 | | | | |
| RS1 FUT | | | | | | | | | | | | | |
| SEP18 | 1513.90 | 1527.30B | *1500.90 | 1501.30 | - | 1360 | 150 | 839 | 10367 | + | | 1041555.60 | 1500.90 |
| TOTAL RS1 FUT | | | | | | | 150 | 839 | ,367.00 | + | | 104 | |
| RSG FUT | | | | | | | | | | | | | |
| SEP18 | 1454.70 | 1460.50B | *1430.70A | 1432.20 | - | 1650 | 1864 | 306 | 4186 | - | | 18561489.80B | 1430.70A |
| TOTAL RSG FUT | | | | | | | 1864 | 306 | ,186.00 | - | | 1856 | |
| RSV FUT | | | | | | | | | | | | | |
| SEP18 | 1190.90 | 1198.20B | 1181.60 | 1182.20 | - | 680 | ---- | 692 | 6207 | - | | 1691220.00 | 1181.30A |
| TOTAL RSV FUT | | | | | | | 0 | 692 | ,207.00 | - | | 169 | |
| SDA FUT | | | | | | | | | | | | | |
| DEC18 | 53.800 | 53.950 | 53.800 | 53.850 | + | 100 | ---- | 640 | 51008 | - | | 9054.550 | 44.000A |
| DEC19 | 56.500 | 56.550 | 56.450 | 56.400 | + | UNCH | ---- | 190 | 24070 | + | | 12057.900 | 43.950A |
| DEC20 | 59.150 | 59.200B | 59.100A | 59.000 | - | 150 | ---- | 50 | 20336 | + | | 3061.350 | 43.900A |
| DEC21 | ---- | 61.700B | 61.450A | 61.350 | - | 200 | ---- | ---- | 7012 | | | UNCH64.150B | 44.150A |
| DEC22 | ---- | 63.550B | 63.300A | 63.200 | - | 250 | ---- | ---- | 4595 | | | UNCH66.250 | 56.400A |
| DEC23 | ---- | 65.250B | 64.900A | 64.750 | - | 350 | ---- | ---- | 1345 | | | UNCH68.050B | 57.800A |
| DEC24 | ---- | 67.000B | 66.850A | 66.700 | - | 250 | ---- | ---- | 2175 | | | UNCH69.700B | 59.800A |
| DEC25 | ---- | 68.750B | 68.600A | 68.450 | - | 250 | ---- | ---- | 640 | | | UNCH71.150B | 60.650A |
| DEC26 | ---- | 70.750B | 70.500A | 70.350 | - | 300 | ---- | ---- | 985 | | | UNCH72.800B | 62.150A |
| DEC27 | ---- | 72.800B | 72.500A | 72.350 | - | 350 | ---- | ---- | 818 | | | UNCH74.400B | 63.900A |
| DEC28 | ---- | 74.950B | 74.600A | 74.450 | - | 350 | ---- | ---- | 40 | | | UNCH76.550B | 71.500A |
| TOTAL SDA FUT | | | | | | | 0 | 880 | ,024.00 | + | | 60 | |
| SDI FUT | | | | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 13.600 | + | UNCH | ---- | ---- | 140 | | | UNCH13.700 | 13.190A |
| DEC18 | ---- | ---- | ---- | 13.900 | + | UNCH | ---- | ---- | 100 | | | UNCH14.100B | 13.800 |
| MAR19 | ---- | ---- | ---- | 13.800 | + | UNCH | ---- | ---- | 80 | | | UNCH13.900 | 13.700 |
| JUN19 | ---- | ---- | ---- | 14.500 | + | UNCH | ---- | ---- | 60 | | | UNCH14.400B | 13.300A |
| TOTAL SDI FUT | | | | | | | 0 | 0 | 380.00 | | | | |
| TPY FUT | | | | | | | | | | | | | |
| SEP18 | 1722.50 | 1738.50B | 1718.00A | 1718.00 | - | 1000 | ---- | 70 | 151 | + | | 411800.00B | 1703.00A |
| TOTAL TPY FUT | | | | | | | 0 | 70 | 151.00 | + | | 41 | |
| TRI FUT | | | | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 5347.00 | - | 4700 | ---- | ---- | 10100 | | | UNCH---- | ---- |
| DEC18 | ---- | ---- | ---- | 5385.50 | - | 4700 | ---- | ---- | 29203 | | | UNCH---- | ---- |
| MAR19 | ---- | ---- | ---- | 5420.50 | - | 4700 | ---- | ---- | 46100 | | | UNCH---- | ---- |
| JUN19 | ---- | ---- | ---- | 5463.50 | - | 4700 | ---- | ---- | 12950 | | | UNCH---- | ---- |
| TOTAL TRI FUT | | | | | | | 0 | 0 | ,353.00 | | | | |

### NASDAQ 100 WEEKLY-1 CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | | | | | | | | | | | | | |
| 6810 | ---- | 341.00B | 231.00A | ---- | 225.00- | 8750 | .779 | ---- | ---- | 1 | UNCH | 544.00B | 219.50A |
| 6820 | ---- | 331.75B | 221.00A | ---- | 216.75- | 8675 | .769 | ---- | ---- | 1 | UNCH | 534.25B | 212.25A |
| 6830 | ---- | 322.25B | 213.00A | ---- | 208.75- | 8575 | .758 | ---- | ---- | 1 | UNCH | 524.50B | 206.00A |
| 6840 | ---- | 313.00B | 205.00A | ---- | 200.50- | 8500 | .746 | ---- | ---- | 1 | UNCH | 514.75B | 197.75A |
| 6850 | ---- | 303.75B | 197.25A | ---- | 192.75- | 8375 | .735 | ---- | ---- | 1 | UNCH | 505.25B | 188.75A |
| 6860 | ---- | 294.50B | 189.50A | ---- | 184.75- | 8300 | .723 | ---- | ---- | 1 | UNCH | 495.50B | 182.00A |
| 6870 | ---- | 285.25B | 182.00A | ---- | 177.00- | 8200 | .710 | ---- | ---- | 1 | UNCH | 485.75B | 175.25A |
| 6880 | ---- | 276.00B | 174.50A | ---- | 169.50- | 8075 | .697 | ---- | ---- | 1 | UNCH | 476.00B | 169.00A |
| 6890 | ---- | 267.00B | 167.00A | ---- | 162.00- | 7950 | .683 | ---- | ---- | 1 | UNCH | 466.50B | 163.00A |
| 6900 | ---- | 257.75B | 159.75A | ---- | 154.50- | 7825 | .670 | ---- | ---- | 1 | UNCH | 456.75B | 156.25A |
| 6910 | ---- | 248.75B | 152.75A | ---- | 147.25- | 7700 | .655 | ---- | ---- | 1 | UNCH | 447.25B | 150.00A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6930 | ---- | 231.00B | *138.50A | ---- | 133.00- | 7450 | .624 | ---- | ---- | 1 | UNCH | 428.00B | 138.50A |
| 6950 | 151.50 | 220.25B | *118.00A | ---- | 119.25+ | NEW | .592 | ---- | 15 | 15 + | 15 | 409.00B | 118.00A |
| 6970 | ---- | 203.00B | *105.00A | ---- | 106.25- | 6850 | .557 | ---- | ---- | 2 | UNCH | 390.00B | 105.00A |
| 6980 | ---- | 194.75B | *98.75A | ---- | 99.75- | 6700 | .539 | ---- | ---- | 8 | UNCH | 380.50B | 98.75A |
| 6990 | ---- | 186.25B | *92.50A | ---- | 93.75- | 6500 | .521 | ---- | ---- | 8 | UNCH | 371.25B | 92.50A |
| 7000 | 141.50 | 178.00B | *86.50A | ---- | 87.50- | 6350 | .502 | ---- | 35 | 56 + | 33 | 361.75B | 86.50A |
| 7050 | ---- | 138.25B | *60.25A | ---- | 60.25- | 5375 | .402 | ---- | ---- | 1 | UNCH | 315.50B | 60.25A |
| 7060 | 81.50 | 130.75B | *55.25A | ---- | 55.25+ | NEW | .381 | ---- | 1 | 1 + | 1 | 306.25B | 55.25A |
| 7080 | ---- | 116.00B | *46.75A | ---- | 46.25- | 4725 | .339 | ---- | ---- | 1 | UNCH | 288.25B | 46.75A |
| 7090 | ---- | 109.00B | *42.50A | ---- | 42.25- | 4475 | .319 | ---- | ---- | 10 | UNCH | 279.25B | 42.50A |
| 7100 | 47.00 | 102.00B | *38.75A | ---- | 38.25- | 4250 | .298 | ---- | 13 | 17 + | 7 | 270.25B | 38.75A |
| 7110 | 86.75 | 97.00B | *35.25A | ---- | 34.50- | 4025 | .277 | ---- | 10 | 14 + | 10 | 261.25B | 35.25A |
| 7120 | 60.00 | 90.25B | *31.75A | ---- | 31.00- | 3800 | .257 | ---- | 3 | 21 + | 1 | 252.50B | 31.75A |
| 7130 | 63.00 | 83.75B | *28.75A | ---- | 27.75- | 3550 | .237 | ---- | 11 | 13 + | 4 | 243.75B | 28.75A |
| 7140 | 70.25 | 77.25B | *25.75A | ---- | 25.00- | 3300 | .219 | ---- | 3 | 8 + | 1 | 235.00B | 25.75A |
| 7150 | 31.00 | 71.00B | *22.75A | ---- | 22.25- | 3050 | .200 | ---- | 11 | 22 + | 8 | 226.50B | 22.75A |
| 7160 | 47.00 | 65.00B | *20.50A | ---- | 19.75- | 2825 | .182 | ---- | 9 | 19 + | 1 | 218.00B | 20.50A |
| 7170 | 49.50 | 59.50B | *18.50A | ---- | 17.25- | 2600 | .164 | ---- | 11 | 13 + | 11 | 209.50B | 18.50A |
| 7180 | 49.00 | 54.00B | *16.50A | ---- | 15.25- | 2375 | .149 | ---- | 9 | 20 - | 1 | 201.00B | 16.50A |
| 7190 | 37.00 | 48.75B | *14.50A | ---- | 13.50- | 2150 | .134 | ---- | 1 | 4 | UNCH | 192.75B | 14.50A |
| 7200 | 19.50 | 43.75B | *13.00A | ---- | 11.75- | 1950 | .120 | ---- | 12 | 25 + | 5 | 184.75B | 13.00A |
| 7210 | 30.25 | 39.00B | *11.50A | ---- | 10.25- | 1750 | .107 | ---- | 2 | 25 + | 2 | 176.50B | 11.50A |
| 7220 | ---- | 34.50B | *10.00A | ---- | 9.00- | 1550 | .096 | ---- | ---- | 65 | UNCH | 168.50B | 10.00A |
| 7230 | 17.75 | 30.50B | *9.00A | ---- | 7.75- | 1375 | .084 | ---- | 6 | 122 + | 2 | 160.75B | 9.00A |
| 7240 | 9.75 | 26.75B | *8.00A | ---- | 6.75- | 1200 | .074 | ---- | 1 | 72 | UNCH | 153.00B | 8.00A |
| 7250 | 18.25 | 23.25B | *7.00A | ---- | 5.75- | 1050 | .065 | ---- | 111 | 55 + | 44 | 145.50B | 7.00A |
| 7260 | 15.25 | 20.00B | *6.25A | ---- | 5.00- | 900 | .057 | ---- | 1 | 8 + | 1 | 138.00B | 6.25A |
| 7270 | ---- | 17.00B | *5.50A | ---- | 4.35- | 790 | .050 | ---- | ---- | 11 | UNCH | 130.50B | 5.50A |
| 7280 | ---- | 14.50B | *4.85A | ---- | 3.75- | 675 | .044 | ---- | 16 | 17 + | 10 | 123.50B | 4.85A |
| 7290 | 4.75 | 12.25B | *4.30A | ---- | 3.30- | 570 | .038 | ---- | 141 | 82 + | 42 | 116.50B | 4.30A |
| 7300 | 4.50 | 10.25B | *3.85A | ---- | 2.85- | 465 | .033 | ---- | 60 | 82 + | 40 | 109.50B | 3.85A |
| 7310 | ---- | 8.50B | *3.45A | ---- | 2.50- | 400 | .029 | ---- | 131 | 98 + | 30 | 102.75B | 3.45A |
| 7320 | 3.10 | 7.00B | *2.85A | ---- | 2.20- | 330 | .026 | ---- | 2 | 99 + | 2 | 96.25B | 2.85A |
| 7330 | ---- | 5.75B | *2.80A | ---- | 1.95- | 275 | .023 | ---- | ---- | 5 | UNCH | 90.00B | 2.80A |
| 7340 | ---- | 4.95B | *2.55A | ---- | 1.70- | 225 | .020 | ---- | ---- | 12 | UNCH | 84.00B | 2.55A |
| 7350 | 3.25 | 3.80B | *1.60 | ---- | 1.50- | 185 | .018 | ---- | 25 | 23 + | 9 | 78.75B | 1.60 |
| 7360 | ---- | 3.05B | *2.00A | ---- | 1.25- | 160 | .015 | ---- | ---- | 2 | UNCH | 73.75B | 2.00A |
| 7370 | ---- | ---- | *1.80A | ---- | 1.10- | 130 | .013 | ---- | 17 | 73 | UNCH | 68.75B | 1.80A |
| 7380 | ---- | ---- | *1.60A | ---- | .90- | 115 | .011 | ---- | ---- | 1 | UNCH | 64.00B | 1.60A |
| 7390 | ---- | ---- | *1.45A | ---- | .75- | 95 | .009 | ---- | ---- | 36 | UNCH | 59.50B | 1.45A |
| 7400 | ---- | ---- | *1.30A | ---- | .65- | 80 | .008 | ---- | 215 | 96 - | 39 | 55.25B | 1.30A |
| 7410 | ---- | ---- | ---- | ---- | .55- | 65 | .006 | ---- | 131 | 131 + | 117 | 51.25B | 1.30A |
| 7420 | ---- | ---- | ---- | ---- | .45- | 55 | .005 | ---- | ---- | 131 | UNCH | 47.50B | 1.15A |
| 7430 | ---- | ---- | ---- | ---- | .40- | 45 | .004 | ---- | ---- | 5 | UNCH | 43.75B | 1.05A |
| 7440 | ---- | ---- | ---- | ---- | .35- | 35 | .004 | ---- | ---- | 6 | UNCH | 40.75 | .95A |
| 7450 | ---- | ---- | ---- | ---- | .30- | 25 | .003 | ---- | ---- | 34 | UNCH | 37.25B | .85A |
| 7460 | ---- | ---- | ---- | ---- | .30- | 15 | .003 | ---- | ---- | 18 | UNCH | 34.25B | .80A |
| 7490 | ---- | ---- | ---- | ---- | .20- | 5 | .002 | ---- | ---- | 3 | UNCH | 26.25B | .80A |
| 7500 | ---- | ---- | ---- | ---- | .20 | UNCH | .002 | ---- | ---- | 65 | UNCH | 24.00B | .70A |
| 7540 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 5 | UNCH | 16.50B | .60A |
| 7550 | ---- | ---- | ---- | ---- | .15+ | 10 | .001 | ---- | ---- | 31 | UNCH | 15.00B | .60A |
| 7600 | ---- | ---- | ---- | ---- | .10+ | 10 | .001 | ---- | ---- | 1 | UNCH | 9.25B | .50A |
| TOTAL | | | | | | | | | 1003 | 1704 + | 356 | | |
| AUG18 | | | | | | | | | | | | | |
| 7000 | 188.00 | #257.75B | *182.00A | ---- | 182.50+ | NEW | .511 | ---- | 1 | 1 + | 1 | 257.75B | 182.00A |
| 7120 | ---- | #178.50B | *117.00A | ---- | 117.75- | 4200 | .398 | ---- | ---- | 4 | UNCH | 178.50B | 117.00A |
| 7140 | ---- | #166.00B | *107.75A | ---- | 108.25- | 3975 | .379 | ---- | ---- | 4 | UNCH | 166.00B | 107.75A |
| 7160 | ---- | #153.75B | *98.75A | ---- | 99.00- | 3775 | .359 | ---- | ---- | 4 | UNCH | 153.75B | 98.75A |
| 7210 | 94.75 | #125.25B | *78.50A | ---- | 78.00+ | NEW | .308 | ---- | 4 | 4 + | 4 | 125.25B | 78.50A |
| 7300 | ---- | #81.00B | *49.75A | ---- | 47.75- | 2350 | .221 | ---- | 1 | 1 | UNCH | 81.00B | 49.75A |
| 7400 | ---- | #44.50B | *27.00A | ---- | 25.00- | 1450 | .137 | ---- | ---- | 1 | UNCH | 44.50B | 27.00A |
| 7450 | ---- | #31.25B | *19.75A | ---- | 17.50- | 1100 | .104 | ---- | ---- | 1 | UNCH | 31.25B | 19.75A |
| 7800 | ---- | ---- | ---- | ---- | 1.00- | 20 | .008 | ---- | ---- | 5 | UNCH | 2.50 | 2.40A |
| TOTAL | | | | | | | | | 6 | 25 + | 5 | | |

### E-MINI NASDAQ 100 WEEKLY-2 CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 6720 | ---- | 438.75B | *330.00A | ---- | 324.00- | 8625 | .793 | ---- | ---- | 1 | UNCH | 637.00B | 330.00A |
| 6980 | ---- | 217.75B | *128.75A | ---- | 131.00- | 6100 | .533 | ---- | ---- | 15 | UNCH | 390.75B | 128.75A |
| 7000 | ---- | 202.00B | *116.50A | ---- | 119.00- | 5800 | .505 | ---- | ---- | 1 | UNCH | 372.50B | 116.50A |
| 7030 | 113.00 | 179.00B | *99.25A | ---- | 101.75- | 5375 | .463 | ---- | 2 | 4 + | 2 | 345.50B | 99.25A |
| 7040 | ---- | 171.50B | *94.00A | ---- | 96.25- | 5225 | .449 | ---- | ---- | 4 | UNCH | 336.75B | 94.00A |
| 7050 | ---- | 164.00B | *88.75A | ---- | 90.75- | 5075 | .434 | ---- | ---- | 4 | UNCH | 327.75B | 88.75A |
| 7070 | ---- | 149.75B | *78.50A | ---- | 80.50- | 4775 | .404 | ---- | ---- | 1 | UNCH | 310.25B | 78.50A |
| 7100 | 89.25 | 131.00B | *65.00A | ---- | 66.25- | 4275 | .358 | ---- | 2 | 7 + | 2 | 284.25B | 65.00A |
| 7110 | 106.00 | 124.25B | *60.75A | ---- | 61.75- | 4100 | .342 | ---- | 1 | 3 + | 1 | 275.50B | 60.75A |
| 7120 | ---- | 117.50B | *56.50A | ---- | 57.50- | 3925 | .327 | ---- | ---- | 1 | UNCH | 267.00B | 56.50A |
| 7130 | ---- | 111.25B | *52.75A | ---- | 53.50- | 3750 | .312 | ---- | ---- | 16 | UNCH | 258.75B | 52.75A |
| 7140 | ---- | 104.75B | *49.00A | ---- | 49.50- | 3575 | .296 | ---- | ---- | 10 | UNCH | 250.25B | 49.00A |
| 7150 | 50.75 | 98.50B | *45.25A | ---- | 45.75- | 3400 | .281 | ---- | 1 | 5 + | 1 | 242.00B | 45.25A |
| 7160 | ---- | 92.50B | *41.75A | ---- | 42.00- | 3250 | .265 | ---- | ---- | 8 | UNCH | 233.75B | 41.75A |
| 7170 | 49.00 | 86.75B | *38.50A | ---- | 38.75- | 3075 | .251 | ---- | 1 | 15 + | 1 | 225.50B | 38.50A |
| 7180 | ---- | 81.00B | *35.50A | ---- | 35.50- | 2900 | .236 | ---- | ---- | 14 | UNCH | 217.50B | 35.50A |
| 7190 | ---- | 75.50B | *33.00A | ---- | 32.50- | 2725 | .221 | ---- | ---- | 21 | UNCH | 209.50B | 33.00A |
| 7200 | ---- | 70.25B | *30.25A | ---- | 29.50- | 2575 | .207 | ---- | ---- | 15 | UNCH | 201.50B | 30.25A |
| 7210 | ---- | 65.00B | *27.75A | ---- | 27.00- | 2375 | .193 | ---- | ---- | 6 | UNCH | 193.75B | 27.75A |
| 7220 | ---- | 60.00B | *25.25A | ---- | 24.50- | 2225 | .180 | ---- | ---- | 32 | UNCH | 186.00B | 25.25A |
| 7230 | 30.50 | 55.25B | *23.00A | ---- | 22.25- | 2050 | .167 | ---- | 2 | 45 | UNCH | 178.50B | 23.00A |
| 7240 | ---- | 50.75B | *21.00A | ---- | 20.00- | 1925 | .154 | ---- | ---- | 14 | UNCH | 171.00B | 21.00A |
| 7250 | 42.00 | 46.50B | *19.25A | ---- | 18.00- | 1775 | .142 | ---- | 14 | 16 + | 9 | 163.50B | 19.25A |
| 7260 | ---- | 42.50B | *17.50A | ---- | 16.25- | 1625 | .131 | ---- | ---- | 10 | UNCH | 156.25B | 17.50A |
| 7270 | ---- | 38.50B | *15.75A | ---- | 14.75- | 1475 | .121 | ---- | ---- | 9 | UNCH | 149.00B | 15.75A |
| 7280 | ---- | 34.75B | *14.25A | ---- | 13.25- | 1350 | .111 | ---- | ---- | 73 | UNCH | 142.00B | 14.25A |
| 7290 | ---- | 31.50B | *13.00A | ---- | 12.00- | 1200 | .102 | ---- | ---- | 25 | UNCH | 135.00B | 13.00A |
| 7300 | ---- | 28.25B | *11.75A | ---- | 10.75- | 1075 | .093 | ---- | ---- | 109 | UNCH | 128.25B | 11.75A |
| 7310 | ---- | 25.25B | *10.50A | ---- | 9.50- | 1000 | .084 | ---- | ---- | 32 | UNCH | 121.50B | 10.50A |
| 7320 | ---- | 22.25B | *9.50A | ---- | 8.50- | 875 | .077 | ---- | ---- | 31 | UNCH | 115.00B | 9.50A |
| 7330 | ---- | 19.75B | *8.50A | ---- | 7.75- | 775 | .071 | ---- | ---- | 73 | UNCH | 108.75B | 8.50A |
| 7340 | ---- | 17.50B | *7.75A | ---- | 6.75- | 700 | .063 | ---- | ---- | 67 | UNCH | 102.50B | 7.75A |
| 7350 | ---- | 15.25B | *7.00A | ---- | 6.00- | 625 | .057 | ---- | ---- | 44 | UNCH | 96.50B | 7.00A |
| 7360 | ---- | 13.50B | *6.50A | ---- | 5.50- | 525 | .052 | ---- | ---- | 19 | UNCH | 91.50B | 6.50A |
| 7370 | ---- | 11.75B | *5.75A | ---- | 4.85- | 465 | .047 | ---- | ---- | 6 | UNCH | 87.25B | 5.75A |
| 7380 | ---- | 10.25B | *5.25A | ---- | 4.35- | 415 | .042 | ---- | ---- | 14 | UNCH | 81.75B | 5.25A |
| 7390 | ---- | 9.00B | *4.70A | ---- | 3.85- | 365 | .038 | ---- | ---- | 37 | UNCH | 76.00B | 4.70A |
| 7400 | ---- | 7.75B | *4.30A | ---- | 3.40- | 310 | .034 | ---- | 86 | 119 - | 61 | 70.75B | 4.30A |
| 7450 | ---- | 3.40B | *2.70A | ---- | 1.85- | 140 | .019 | ---- | ---- | 2 | UNCH | 49.75B | 2.70A |
| 7500 | ---- | ---- | ---- | ---- | 1.00- | 60 | .011 | ---- | 86 | 125 - | 61 | 34.25B | 1.70A |
| 7510 | ---- | ---- | ---- | ---- | .85- | 50 | .009 | ---- | ---- | 3 | UNCH | 31.75B | 2.10A |
| 7550 | ---- | ---- | ---- | ---- | .50- | 25 | .005 | ---- | ---- | 12 | UNCH | 23.00B | 1.50A |
| 7570 | ---- | ---- | ---- | ---- | .35- | 20 | .004 | ---- | ---- | 25 | UNCH | 19.50B | 1.30A |
| 7600 | ---- | ---- | ---- | ---- | .25- | 10 | .002 | ---- | ---- | 19 | UNCH | 15.00B | 1.05A |
| TOTAL | | | | | | | | | 195 | 1112 - | 106 | | |

### E-MINI NASDAQ 100 WEEKLY-4 CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 6900 | ---- | 319.50B | *226.50A | ---- | 227.25- | 6600 | .602 | ---- | ---- | 1 | UNCH | 485.50B | 226.50A |
| 7030 | ---- | 220.75B | *145.50A | ---- | 146.75- | 5225 | .479 | ---- | ---- | 1 | UNCH | 372.00B | 145.50A |
| 7100 | ---- | 173.50B | *108.75A | ---- | 110.25+ | NEW | .406 | ---- | 14 | 14 + | 14 | 313.50B | 108.75A |
| 7130 | ---- | 154.25B | *94.75A | ---- | 96.00- | 3975 | .373 | ---- | ---- | 4 | UNCH | 289.50B | 94.75A |
| 7140 | ---- | 148.00B | *90.25A | ---- | 91.25- | 3875 | .362 | ---- | ---- | 4 | UNCH | 281.50B | 90.25A |
| 7150 | ---- | 141.75B | *85.75A | ---- | 86.75- | 3775 | .351 | ---- | ---- | 6 | UNCH | 273.50B | 85.75A |
| 7160 | ---- | 135.75B | *82.00A | ---- | 82.50- | 3650 | .340 | ---- | ---- | 8 | UNCH | 265.75B | 82.00A |
| 7170 | 90.25 | 129.75B | *78.00A | ---- | 78.25- | 3525 | .328 | ---- | 3 | 5 + | 1 | 258.00B | 78.00A |
| 7180 | ---- | 124.00B | *74.00A | ---- | 74.25- | 3400 | .317 | ---- | ---- | 8 | UNCH | 250.25B | 74.00A |
| 7190 | ---- | 118.25B | *70.25A | ---- | 70.25- | 3275 | .306 | ---- | ---- | 6 | UNCH | 242.75B | 70.25A |
| 7210 | ---- | 107.25B | *63.00A | ---- | 62.50- | 3075 | .284 | ---- | ---- | 6 | UNCH | 227.50B | 63.00A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7220 | ---- | 102.00B | *59.50A | ---- | 59.00- | 2950 | .273 | ---- | ---- | 2 | UNCH | 220.25B | 59.50A |
| 7230 | ---- | 97.00B | *56.00A | ---- | 55.50- | 2850 | .262 | ---- | ---- | 8 | UNCH | 213.00B | 56.00A |
| 7240 | ---- | 91.75B | *53.00A | ---- | 52.25- | 2725 | .251 | ---- | ---- | 10 | UNCH | 205.75B | 53.00A |
| 7250 | ---- | 87.00B | *49.50A | ---- | 49.25- | 2600 | .241 | ---- | ---- | 15 | UNCH | 198.50B | 49.50A |
| 7260 | 59.50 | 82.25B | *46.75A | ---- | 46.25- | 2500 | .231 | ---- | 26 | 30 + | 26 | 191.50B | 46.75A |
| 7280 | ---- | 73.25B | *41.25A | ---- | 40.75- | 2250 | .211 | ---- | ---- | 54 | UNCH | 177.75B | 41.25A |
| 7290 | ---- | 68.75B | *38.50A | ---- | 38.25- | 2125 | .201 | ---- | ---- | 12 | UNCH | 171.00B | 38.50A |
| 7300 | ---- | 64.75B | *36.25A | ---- | 35.75- | 2025 | .192 | ---- | ---- | 9 | UNCH | 164.25B | 36.25A |
| 7310 | ---- | 60.75B | *33.75A | ---- | 33.50- | 1925 | .182 | ---- | ---- | 9 | UNCH | 157.75B | 33.75A |
| 7330 | ---- | 53.25B | *29.50A | ---- | 29.25- | 1700 | .165 | ---- | ---- | 4 | UNCH | 145.00B | 29.50A |
| 7340 | ---- | 50.25B | *27.50A | ---- | 27.25- | 1600 | .156 | ---- | ---- | 4 | UNCH | 138.75B | 27.50A |
| 7350 | 30.75 | 46.25B | *25.50A | ---- | 25.25- | 1525 | .147 | ---- | 1 | ---- | 1 | 132.75B | 25.50A |
| 7360 | ---- | 43.00B | *23.75A | ---- | 23.50- | 1425 | .139 | ---- | ---- | 4 | UNCH | 127.75B | 23.75A |
| 7380 | ---- | 37.00B | *20.50A | ---- | 20.50- | 1225 | .125 | ---- | ---- | 4 | UNCH | 118.50B | 20.50A |
| 7400 | ---- | 31.50B | *17.75A | ---- | 17.50- | 1075 | .110 | ---- | ---- | 22 | UNCH | 107.25B | 17.75A |
| 7440 | ---- | 23.00B | *13.25A | ---- | 12.75- | 800 | .085 | ---- | ---- | 2 | UNCH | 86.75B | 13.25A |
| 7450 | ---- | 20.50B | *12.25A | ---- | 11.75- | 725 | .080 | ---- | ---- | 1 | UNCH | 79.50B | 12.25A |
| 7500 | ---- | 12.75B | *8.75A | ---- | 7.50- | 475 | .055 | ---- | ---- | 1 | UNCH | 58.50B | 8.75A |
| 7520 | ---- | ---- | *7.50A | ---- | 6.25- | 400 | .047 | ---- | ---- | 24 | UNCH | 51.00B | 7.50A |
| 7530 | ---- | ---- | *7.00A | ---- | 5.75- | 350 | .044 | ---- | ---- | 1 | UNCH | 47.50B | 7.00A |
| 7640 | ---- | ---- | ---- | ---- | 1.55- | 125 | .014 | ---- | ---- | 1 | UNCH | 21.75B | 3.90A |
| 7660 | ---- | ---- | ---- | ---- | 1.20- | 100 | .011 | ---- | ---- | 1 | UNCH | 18.75B | 3.40A |
| 7670 | ---- | ---- | ---- | ---- | 1.00- | 95 | .009 | ---- | ---- | 1 | UNCH | 17.25B | 3.15A |
| 7700 | ---- | ---- | ---- | ---- | .65- | 65 | .006 | ---- | ---- | 42 | UNCH | 13.75B | 2.65A |
| TOTAL | | | | | | | | | 44 | 324 + | 40 | | |
| EMTNT NASD CALL | | | | | | | | | | | | | |
| SEP18 | EMTNT NASD CALL | (FUTURES SETT. 6998.25 - 10575.0 ) | | | | | | | | | | | |
| 5500 | ---- | 1.00643.0 | 1.00524.2 | ---- | 1,518.50- | 10025 | .949 | ---- | ---- | 1 | UNCH | 1,753.00E | 650.25A |
| 5560 | ---- | 1.00584.7 | 1.00471.7 | ---- | 1,461.25- | 9950 | .944 | ---- | ---- | 2 | UNCH | 1,694.50E | 609.25A |
| 6000 | ---- | 1.00164.7 | 1.00061.2 | ---- | 1,050.50- | 9250 | .887 | ---- | ---- | 15 | UNCH | 1,345.75E | 346.00A |
| 6200 | ---- | 988.50B | 882.75A | ---- | 872.25- | 8750 | .845 | ---- | ---- | 33 | UNCH | 1,155.75E | 250.00A |
| 6400 | ---- | 809.25B | 701.75A | ---- | 701.50- | 8175 | .791 | ---- | ---- | 2 | UNCH | 970.00B | 171.75A |
| 6410 | ---- | 800.50B | 692.50A | ---- | 693.25- | 8125 | .788 | ---- | ---- | 3 | UNCH | 960.50B | 168.25A |
| 6450 | ---- | 765.50B | 661.00A | ---- | 660.25- | 8000 | .775 | ---- | ---- | 15 | UNCH | 924.00B | 155.00A |
| 6480 | ---- | 743.50B | 636.75A | ---- | 636.00- | 7875 | .764 | ---- | ---- | 2 | UNCH | 896.75B | 145.25A |
| 6500 | ---- | 726.25B | 619.00A | ---- | 619.75- | 7825 | .757 | ---- | ---- | 40 | UNCH | 878.50B | 139.25A |
| 6520 | ---- | 709.25B | 604.25A | ---- | 603.75- | 7750 | .750 | ---- | ---- | 5 | UNCH | 860.50B | 133.25A |
| 6550 | ---- | 683.75B | 580.50A | ---- | 580.00- | 7625 | .739 | ---- | ---- | 128 | UNCH | 834.00B | 124.50A |
| 6570 | ---- | 667.00B | 565.00A | ---- | 564.50- | 7525 | .731 | ---- | ---- | 3 | UNCH | 815.75B | 119.00A |
| 6580 | ---- | 658.50B | 556.25A | ---- | 556.50- | 7500 | .727 | ---- | ---- | 9 | UNCH | 806.75B | 116.25A |
| 6590 | ---- | 650.25B | 549.50A | ---- | 548.75- | 7475 | .724 | ---- | ---- | 1 | UNCH | 798.00B | 113.50A |
| 6600 | ---- | 642.00B | 541.25A | ---- | 541.00- | 7425 | .720 | ---- | ---- | 21 | UNCH | 789.25B | 111.00A |
| 6610 | ---- | 633.75B | 533.50A | ---- | 533.50- | 7350 | .716 | ---- | ---- | 2 | UNCH | 780.50B | 108.50A |
| 6620 | ---- | 625.50B | 526.00A | ---- | 525.75- | 7325 | .711 | ---- | ---- | 54 | UNCH | 771.50B | 105.75A |
| 6630 | ---- | 617.25B | 518.75A | ---- | 518.25- | 7275 | .707 | ---- | ---- | 23 | UNCH | 789.75B | 103.25A |
| 6650 | ---- | 603.75B | 500.25A | ---- | 503.00- | 7200 | .699 | ---- | ---- | 10 | UNCH | 774.75B | 99.25A |
| 6670 | ---- | 587.50B | 485.25A | ---- | 488.00- | 7100 | .690 | ---- | ---- | 1 | UNCH | 758.50B | 94.50A |
| 6680 | ---- | 579.50B | 478.00A | ---- | 480.50- | 7050 | .686 | ---- | ---- | 2 | UNCH | 750.75B | 92.00A |
| 6690 | ---- | 571.25B | 470.50A | ---- | 473.25- | 7000 | .681 | ---- | ---- | 3 | UNCH | 743.00B | 90.00A |
| 6700 | ---- | 563.25B | 463.00A | ---- | 465.75- | 6950 | .677 | ---- | ---- | 44 | UNCH | 735.50B | 87.75A |
| 6730 | ---- | 539.25B | 441.25A | ---- | 444.00- | 6800 | .663 | ---- | ---- | 1 | UNCH | 712.75B | 81.50A |
| 6740 | ---- | 531.50B | 434.00A | ---- | 436.75- | 6750 | .658 | ---- | ---- | 2 | UNCH | 705.50B | 79.50A |
| 6750 | ---- | 523.75B | 426.75A | ---- | 429.50- | 6700 | .654 | ---- | ---- | 78 | UNCH | 697.75B | 76.75A |
| 6760 | ---- | 515.75B | 420.00A | ---- | 422.50- | 6650 | .649 | ---- | ---- | 4 | UNCH | 690.50B | 75.25A |
| 6770 | ---- | 508.00B | 412.75A | ---- | 415.50- | 6575 | .644 | ---- | ---- | 3 | UNCH | 683.00B | 73.50A |
| 6790 | ---- | 492.50B | 398.75A | ---- | 401.25- | 6500 | .634 | ---- | ---- | 2 | UNCH | 668.00B | 69.75A |
| 6800 | 442.75 | 485.00B | 391.75A | ---- | 394.50- | 6425 | .629 | ---- | 13 | 215 | UNCH | 660.25B | 68.00A |
| 6810 | ---- | 477.00B | 385.00A | ---- | 387.50- | 6375 | .624 | ---- | ---- | 6 | UNCH | 653.25B | 66.25A |
| 6820 | ---- | 469.75B | 378.25A | ---- | 380.75- | 6325 | .619 | ---- | ---- | 1 | UNCH | 645.75B | 64.50A |
| 6850 | ---- | 447.00B | 357.75A | ---- | 360.25- | 6175 | .603 | ---- | ---- | 47 | UNCH | 623.50B | 59.50A |
| 6870 | 376.25 | 432.00B | 344.50A | ---- | 347.00- | 6050 | .592 | ---- | 1 | 2 | UNCH | 608.50B | 56.25A |
| 6880 | ---- | 424.75B | 338.00A | ---- | 340.50- | 5975 | .587 | ---- | ---- | 2 | UNCH | 602.00B | 54.75A |
| 6890 | ---- | 417.50B | 331.50A | ---- | 334.00- | 5925 | .581 | ---- | ---- | 8 | UNCH | 594.00B | 53.25A |
| 6900 | 358.75 | 410.25B | 325.00A | ---- | 327.50- | 5850 | .576 | ---- | 2 | 185 | UNCH | 587.75B | 51.75A |
| 6910 | ---- | 403.00B | 318.50A | ---- | 321.00- | 5800 | .570 | ---- | ---- | 64 | UNCH | 580.25B | 50.25A |
| 6920 | ---- | 395.75B | 312.25A | ---- | 314.75- | 5725 | .564 | ---- | ---- | 1 | UNCH | 573.50B | 49.00A |
| 6930 | ---- | 388.75B | 306.00A | ---- | 308.25- | 5700 | .559 | ---- | ---- | 2 | UNCH | 565.75B | 47.50A |
| 6940 | ---- | 381.50B | 299.75A | ---- | 302.00- | 5625 | .553 | ---- | ---- | 6 | UNCH | 558.75B | 46.25A |
| 6950 | ---- | 374.25B | 293.50A | ---- | 295.75- | 5575 | .547 | ---- | ---- | 9 | UNCH | 552.50B | 42.50 |
| 6960 | ---- | 367.75B | 287.50A | ---- | 289.75- | 5500 | .541 | ---- | ---- | 20 | UNCH | 545.25B | 43.75A |
| 6970 | ---- | 360.75B | 281.25A | ---- | 283.50- | 5450 | .535 | ---- | ---- | 4 | UNCH | 538.25B | 42.50A |
| 6980 | ---- | 353.75B | 275.25A | ---- | 277.50- | 5375 | .529 | ---- | ---- | 5 | UNCH | 531.50B | 41.50A |
| 6990 | ---- | 347.00B | 269.25A | ---- | 271.50- | 5300 | .523 | ---- | ---- | 4 | UNCH | 525.00B | 40.25A |
| 7000 | 300.00 | 341.75B | 263.50A | ---- | 265.50- | 5250 | .517 | ---- | 2 | 316 + | 2 | 518.25B | 39.00A |
| 7010 | ---- | 335.00B | 257.50A | ---- | 259.50- | 5200 | .511 | ---- | ---- | 3 | UNCH | 510.50B | 104.00A |
| 7020 | ---- | 328.25B | 251.75A | ---- | 253.75- | 5125 | .505 | ---- | ---- | 5 | UNCH | 505.00B | 101.00A |
| 7030 | 257.00 | 321.50B | 245.75A | ---- | 248.00- | 5050 | .499 | ---- | 1 | 5 + | 1 | 498.25B | 98.25A |
| 7040 | ---- | 315.00B | 240.50A | ---- | 242.25- | 5000 | .493 | ---- | ---- | 5 | UNCH | 490.50B | 95.50A |
| 7050 | ---- | 308.25B | 234.75A | ---- | 236.50- | 4950 | .486 | ---- | ---- | 15 | UNCH | 485.25B | 92.50A |
| 7070 | ---- | 295.25B | 223.75A | ---- | 225.50- | 4800 | .474 | ---- | ---- | 14 | UNCH | 472.00B | 87.50A |
| 7080 | ---- | 289.00B | 218.00A | ---- | 220.00- | 4725 | .467 | ---- | ---- | 5 | UNCH | 465.50B | 85.00A |
| 7090 | ---- | 282.50B | 213.00A | ---- | 214.50- | 4675 | .461 | ---- | ---- | 1 | UNCH | 459.00B | 82.75A |
| 7100 | 245.25 | 276.25B | 207.75A | ---- | 209.25- | 4600 | .454 | ---- | 8 | 115 + | 5 | 452.50B | 80.25A |
| 7110 | ---- | 270.00B | 202.50A | ---- | 204.00- | 4525 | .448 | ---- | ---- | 70 | UNCH | 446.25B | 78.00A |
| 7120 | 236.75 | 263.75B | 197.25A | ---- | 198.75- | 4450 | .441 | ---- | 1 | 7 | UNCH | 440.00B | 75.75A |
| 7130 | ---- | 257.75B | 192.25A | ---- | 193.50- | 4400 | .435 | ---- | ---- | 12 | UNCH | 433.50B | 73.25A |
| 7140 | ---- | 251.50B | 187.25A | ---- | 188.50- | 4325 | .428 | ---- | ---- | 12 | UNCH | 427.25B | 71.25A |
| 7150 | 229.00 | 245.50B | 182.00A | ---- | 183.50- | 4250 | .421 | ---- | 4 | 27 - | 3 | 421.00B | 69.00A |
| 7160 | ---- | 239.75B | 177.25A | ---- | 178.50- | 4200 | .415 | ---- | ---- | 1 | UNCH | 414.75B | 67.00A |
| 7170 | ---- | 233.75B | 172.50A | ---- | 173.50- | 4125 | .408 | ---- | ---- | 14 | UNCH | 408.50B | 64.75A |
| 7180 | ---- | 228.00B | 167.75A | ---- | 168.75- | 4050 | .401 | ---- | ---- | 16 | UNCH | 402.25B | 62.75A |
| 7190 | ---- | 222.25B | 163.00A | ---- | 164.00- | 3975 | .395 | ---- | ---- | 5 | UNCH | 396.25B | 61.00A |
| 7200 | 178.25 | 216.50B | 158.50A | ---- | 159.50- | 3900 | .388 | ---- | 15 | 90 + | 4 | 390.50B | 59.00A |
| 7210 | ---- | 211.00B | 154.00A | ---- | 154.75- | 3850 | .381 | ---- | ---- | 4 | UNCH | 384.50B | 57.00A |
| 7220 | 201.50 | 205.50B | 149.50A | ---- | 150.25- | 3775 | .374 | ---- | 4 | 55 + | 2 | 378.25B | 55.50A |
| 7230 | ---- | 200.00B | 145.25A | ---- | 145.75- | 3700 | .367 | ---- | ---- | 7 | UNCH | 372.50B | 53.75A |
| 7240 | ---- | 194.50B | 140.75A | ---- | 141.50- | 3625 | .361 | ---- | ---- | 15 | UNCH | 367.00B | 52.00A |
| 7250 | 175.00 | 189.25B | 136.50A | ---- | 137.25- | 3550 | .354 | ---- | 13 | 246 - | 8 | 361.00B | 50.75A |
| 7260 | 153.00 | 184.00B | 132.50A | ---- | 133.00- | 3475 | .347 | ---- | 4 | 60 | UNCH | 355.25B | 48.75A |
| 7270 | ---- | 178.75B | 128.50A | ---- | 128.75- | 3425 | .340 | ---- | ---- | 8 | UNCH | 349.75B | 47.00A |
| 7280 | ---- | 173.75B | 124.50A | ---- | 124.75- | 3325 | .333 | ---- | ---- | 26 | UNCH | 344.25B | 45.50A |
| 7290 | ---- | 168.75B | 120.50A | ---- | 120.75- | 3275 | .326 | ---- | ---- | 32 | UNCH | 338.25B | 44.50A |
| 7300 | 153.00 | 163.75B | 116.75A | ---- | 116.75- | 3200 | .320 | ---- | 99 | 582 - | 70 | 333.00B | 42.75A |
| 7310 | ---- | 158.75B | 113.00A | ---- | 113.00- | 3125 | .313 | ---- | ---- | 60 | UNCH | 328.00B | 41.50A |
| 7320 | ---- | 154.00B | 109.25A | ---- | 109.25- | 3050 | .306 | ---- | ---- | 17 | UNCH | 322.25B | 40.50A |
| 7330 | ---- | 149.25B | 105.50A | ---- | 105.50- | 2975 | .299 | ---- | ---- | 71 | UNCH | 316.50B | 39.00A |
| 7340 | ---- | 144.75B | 102.00A | ---- | 102.00- | 2900 | .293 | ---- | ---- | 10 | UNCH | 311.50B | 37.75A |
| 7350 | 137.00 | 140.00B | 98.50A | ---- | 98.50- | 2825 | .286 | ---- | 6 | 470 + | 1 | 306.25B | 36.50A |
| 7360 | ---- | 135.50B | 95.25A | ---- | 95.00- | 2775 | .279 | ---- | ---- | 3 | UNCH | 301.00B | 35.00A |
| 7370 | ---- | 131.25B | 92.00A | ---- | 91.75- | 2700 | .273 | ---- | ---- | 6 | UNCH | 295.50B | 34.25A |
| 7380 | ---- | 126.75B | 88.75A | ---- | 88.50- | 2625 | .266 | ---- | ---- | 13 | UNCH | 291.00B | 32.75A |
| 7390 | ---- | 122.50B | 85.50A | ---- | 85.25- | 2550 | .259 | ---- | ---- | 29 | UNCH | 285.50B | 32.00A |
| 7400 | 95.50 | 118.50B | 82.25A | ---- | 82.00- | 2500 | .253 | ---- | 16 | 355 + | 1 | 280.50B | 30.75A |
| 7410 | ---- | 114.25B | 79.50A | ---- | 79.00- | 2425 | .246 | ---- | ---- | 27 | UNCH | 275.50B | 29.75A |
| 7420 | ---- | 110.25B | 76.50A | ---- | 76.00- | 2350 | .240 | ---- | ---- | 11 | UNCH | 270.50B | 28.50A |
| 7430 | ---- | 106.50B | 73.75A | ---- | 73.25- | 2275 | .234 | ---- | ---- | 406 | UNCH | 265.50B | 27.50A |
| 7440 | ---- | 102.50B | 71.00A | ---- | 70.50- | 2200 | .228 | ---- | ---- | 10 | UNCH | 261.00B | 26.50A |
| 7450 | 93.75 | 98.75B | 68.25A | ---- | 67.75- | 2150 | .221 | ---- | 17 | 20 + | 2 | 255.25B | 25.25A |
| 7460 | ---- | 95.25B | 65.75A | ---- | 65.00- | 2075 | .215 | ---- | ---- | 19 | UNCH | 251.50B | 24.25A |
| 7470 | ---- | 91.50B | 63.25A | ---- | 62.50- | 2025 | .209 | ---- | ---- | 75 | UNCH | 246.75B | 23.25A |
| 7480 | ---- | 88.00B | 60.75A | ---- | 60.00- | 1950 | .203 | ---- | ---- | 33 | UNCH | 241.25B | 22.25A |
| 7490 | ---- | 84.50B | 58.25A | ---- | 57.50- | 1900 | .197 | ---- | ---- | 16 | UNCH | 236.50B | 21.50A |
| 7500 | 60.00 | 82.00 | 56.00A | ---- | 55.25- | 1825 | .191 | ---- | 41 | 806 + | 16 | 231.75B | 20.50A |
| 7510 | 76.25 | 78.50 | 53.75A | ---- | 53.00- | 1750 | .186 | ---- | 12 | 27 + | 12 | 227.75B | 19.75A |
| 7520 | ---- | 74.75B | 51.75A | ---- | 50.75- | 1700 | .180 | ---- | ---- | 1 | UNCH | 223.25B | 18.75A |
| 7540 | ---- | 68.75B | 47.50A | ---- | 46.50- | 1600 | .169 | ---- | 14 | 83 - | 1 | 216.25 | 17.25A |
| 7550 | 65.00 | 65.75B | 45.75A | ---- | 44.50- | 1525 | .163 | ---- | 8 | 86 - | 1 | 210.50B | 16.25A |
| 7560 | ---- | 63.00B | 43.75A | ---- | 42.50- | 1475 | .158 | ---- | ---- | 1 | UNCH | 208.25 | 15.50A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7570 | ---- | 60.25B | 42.00A | ---- | 40.75- | 1425 | .153 | ---- | 7 | 20 - 7 | 202.00B | 14.75A |
| 7580 | ---- | 57.50B | 40.25A | ---- | 39.00- | 1350 | .148 | ---- | ---- | 29 UNCH | 197.75B | 14.00A |
| 7590 | ---- | 55.00B | 38.50A | ---- | 37.25- | 1300 | .143 | ---- | ---- | 30 UNCH | 194.25B | 13.50A |
| 7600 | ---- | 52.50B | 37.00A | ---- | 35.50- | 1275 | .138 | ---- | ---- | 123 UNCH | 190.50B | 13.00A |
| 7610 | ---- | 50.25B | 35.50A | ---- | 34.00- | 1200 | .133 | ---- | ---- | 6 UNCH | 186.00B | 12.50A |
| 7620 | ---- | 48.00B | 34.00A | ---- | 32.50- | 1150 | .128 | ---- | ---- | 33 UNCH | 182.00B | 12.00A |
| 7640 | ---- | 43.50B | 31.00A | ---- | 29.50- | 1075 | .119 | ---- | ---- | 53 UNCH | 175.00B | 11.00A |
| 7650 | ---- | 41.50B | 29.75A | ---- | 28.25- | 1000 | .115 | ---- | ---- | 280 UNCH | 170.50B | 10.75A |
| 7660 | ---- | 39.50B | 28.50A | ---- | 26.75- | 975 | .110 | ---- | ---- | 10 UNCH | 166.75B | 10.25A |
| 7680 | ---- | 35.75B | 25.75A | ---- | 24.50- | 875 | .103 | ---- | ---- | 10 UNCH | 159.75B | 9.75A |
| 7690 | ---- | 34.00B | 24.75A | ---- | 23.25- | 850 | .099 | ---- | ---- | 27 UNCH | 156.25B | 9.25A |
| 7700 | ---- | 32.25B | 23.75A | ---- | 22.25- | 800 | .095 | ---- | ---- | 17 UNCH | 152.50B | 9.00A |
| 7710 | ---- | 30.75B | 22.50A | ---- | 21.00- | 775 | .091 | ---- | ---- | 54 UNCH | 149.25B | 8.75A |
| 7720 | ---- | 29.25B | 21.75A | ---- | 20.00- | 750 | .088 | ---- | ---- | 34 UNCH | 145.75B | 8.50A |
| 7730 | ---- | 27.75B | 20.75A | ---- | 19.00- | 700 | .084 | ---- | ---- | 102 UNCH | 142.75B | 8.25A |
| 7740 | ---- | 26.25B | 19.75A | ---- | 18.25- | 650 | .081 | ---- | ---- | 25 UNCH | 139.50B | 10.00A |
| 7750 | 19.00 | 25.00B | 19.00 | ---- | 17.25- | 625 | .078 | ---- | 1 | 21 UNCH | 136.25B | 9.50A |
| 7760 | ---- | 23.75B | 18.25A | ---- | 16.50- | 600 | .075 | ---- | ---- | 1 UNCH | 132.75B | 9.25A |
| 7800 | 15.25 | 19.00B | 15.25 | ---- | 13.50- | 475 | .063 | ---- | 6 | 111 - 3 | 121.00B | 8.25A |
| 7810 | ---- | 18.00B | 14.75A | ---- | 12.75- | 475 | .060 | ---- | ---- | 1 UNCH | 117.25B | 8.00A |
| 7850 | ---- | 14.50B | 12.25A | ---- | 10.50- | 375 | .051 | ---- | ---- | 21 UNCH | 106.25B | 7.00A |
| 7860 | ---- | 13.75B | 11.75A | ---- | 10.00- | 350 | .049 | ---- | ---- | 50 UNCH | 103.00B | 7.00A |
| 7870 | ---- | 13.00B | 11.50A | ---- | 9.50- | 325 | .047 | ---- | ---- | 5 UNCH | 101.00B | 6.75A |
| 7880 | ---- | 12.25B | 11.00A | ---- | 9.00- | 300 | .045 | ---- | ---- | 1 UNCH | 98.50B | 6.50A |
| 7890 | ---- | ---- | 10.50A | ---- | 8.50- | 300 | .043 | ---- | ---- | 5 UNCH | 96.00B | 6.50A |
| 7900 | ---- | ---- | 10.00A | ---- | 8.25- | 275 | .041 | ---- | ---- | 65 UNCH | 93.25B | 4.80 |
| 7910 | ---- | ---- | 9.75A | ---- | 7.75- | 250 | .039 | ---- | ---- | 86 UNCH | 90.75B | 4.45 |
| 7920 | ---- | ---- | 9.25A | ---- | 7.50- | 225 | .038 | ---- | ---- | 25 UNCH | 88.50B | 4.65 |
| 7930 | ---- | ---- | 9.00A | ---- | 7.00- | 225 | .036 | ---- | ---- | 17 UNCH | 86.25B | 6.50A |
| 7940 | ---- | ---- | 8.50A | ---- | 6.75- | 200 | .035 | ---- | ---- | 25 UNCH | 84.00B | 4.70 |
| 7950 | 10.50 | 10.50 | 6.75 | ---- | 6.50- | 200 | .034 | ---- | 15 | 47 + 15 | 81.25B | 5.25 |
| 7980 | ---- | ---- | ---- | ---- | 5.50- | 175 | .029 | ---- | ---- | 25 UNCH | 75.25B | 3.45 |
| 7990 | ---- | ---- | ---- | ---- | 5.25- | 150 | .028 | ---- | ---- | 1 UNCH | 73.00B | 5.75A |
| 8000 | 7.50 | 8.00 | 5.00 | ---- | 5.00- | 150 | .027 | ---- | 30 | 102 + 2 | 71.25B | 3.45 |
| 8010 | ---- | ---- | ---- | ---- | 4.90- | 135 | .026 | ---- | ---- | 2 UNCH | 69.25B | 6.75A |
| 8030 | ---- | ---- | ---- | ---- | 4.50- | 100 | .024 | ---- | ---- | 78 UNCH | 65.25B | 5.00 |
| 8040 | ---- | ---- | ---- | ---- | 4.30- | 95 | .023 | ---- | ---- | 40 UNCH | 63.50B | 5.00 |
| 8050 | ---- | ---- | ---- | ---- | 4.10- | 90 | .022 | ---- | ---- | 2 UNCH | 61.75B | 4.00 |
| 8060 | ---- | ---- | ---- | ---- | 3.95- | 90 | .021 | ---- | ---- | 55 UNCH | 60.00B | 3.95 |
| 8070 | ---- | ---- | ---- | ---- | 3.80- | 85 | .021 | ---- | ---- | 1 UNCH | 58.25B | 5.50A |
| 8080 | ---- | ---- | ---- | ---- | 3.65- | 75 | .020 | ---- | ---- | 20 UNCH | 56.75B | 5.25A |
| 8090 | ---- | ---- | ---- | ---- | 3.50- | 70 | .019 | ---- | ---- | 30 UNCH | 55.00B | 3.90 |
| 8100 | ---- | ---- | ---- | ---- | 3.35- | 70 | .018 | ---- | 2 | 11 + 1 | 53.50B | 3.05 |
| 8150 | ---- | ---- | ---- | ---- | 2.75- | 50 | .015 | ---- | ---- | 66 UNCH | 46.25B | 4.05A |
| 8200 | ---- | ---- | ---- | ---- | 2.30- | 35 | .013 | ---- | ---- | 3 UNCH | 39.50B | 3.00A |
| 8300 | ---- | ---- | ---- | ---- | 1.70- | 15 | .009 | ---- | ---- | 2 UNCH | 28.75B | .90A |
| 8340 | ---- | ---- | ---- | ---- | 1.50- | 15 | .008 | ---- | ---- | 1 UNCH | 25.25B | 3.10A |
| 8350 | ---- | ---- | ---- | ---- | 1.45- | 15 | .008 | ---- | ---- | 4 UNCH | 25.00 | 3.00A |
| 8400 | ---- | ---- | ---- | ---- | 1.30- | 10 | .007 | ---- | ---- | 39 UNCH | 24.75 | .60 |
| 8450 | ---- | ---- | ---- | ---- | 1.10- | 15 | .006 | ---- | ---- | 6 UNCH | 16.00B | 1.75 |
| 8500 | ---- | ---- | ---- | ---- | 1.00- | 15 | .005 | ---- | ---- | 6 UNCH | 13.50B | 1.80 |
| 8550 | ---- | ---- | ---- | ---- | .90- | 20 | .005 | ---- | ---- | 1 UNCH | 9.00 | 2.00A |
| 8600 | ---- | ---- | ---- | ---- | .80- | 25 | .004 | ---- | ---- | 8 UNCH | 10.00 | 1.85A |
| 8670 | ---- | ---- | ---- | ---- | .65- | 30 | .003 | ---- | ---- | 85 UNCH | 7.75 | 1.75A |
| 8800 | ---- | ---- | ---- | ---- | .50- | 40 | .002 | ---- | ---- | 7 UNCH | 3.75B | .95 |
| TOTAL | | | | | | | | | 342 | 7447 - 29 | | |
| DEC18 | EMINI NASD CALL | (FUTURES SETT. | 7023.25 - | 10575.0 ) | | | | | | | | |
| 6410 | ---- | 904.50B | 801.50A | ---- | 802.25- | 7500 | .741 | ---- | ---- | 2 UNCH | 1,023.50E | 463.50A |
| 6470 | ---- | 856.00B | 754.75A | ---- | 756.25- | 7300 | .724 | ---- | ---- | 2 UNCH | 1,001.50E | 429.50A |
| 6480 | ---- | 848.00B | 748.00A | ---- | 748.75- | 7250 | .721 | ---- | ---- | 3 UNCH | 993.25B | 423.75A |
| 6490 | ---- | 840.00B | 740.50A | ---- | 741.25- | 7225 | .718 | ---- | ---- | 2 UNCH | 985.00B | 418.25A |
| 6500 | ---- | 832.00B | 733.00A | ---- | 733.50- | 7200 | .715 | ---- | ---- | 4 UNCH | 976.50B | 412.75A |
| 6510 | ---- | 807.25B | 726.00A | ---- | 726.00- | 7175 | .712 | ---- | ---- | 2 UNCH | 968.00B | 407.50A |
| 6550 | ---- | 793.50B | 695.00A | ---- | 696.25- | 7025 | .700 | ---- | ---- | 2 UNCH | 934.50B | 386.00A |
| 6580 | ---- | 769.75B | 672.75A | ---- | 674.25- | 6900 | .691 | ---- | ---- | 1 UNCH | 922.75B | 370.50A |
| 6600 | ---- | 754.25B | 658.25A | ---- | 659.50- | 6850 | .685 | ---- | ---- | 1 UNCH | 908.00B | 360.25A |
| 6650 | ---- | 715.75B | 622.25A | ---- | 623.50- | 6675 | .668 | ---- | ---- | 1 UNCH | 871.25B | 335.50A |
| 6680 | ---- | 693.00B | 601.25A | ---- | 602.25- | 6550 | .658 | ---- | ---- | 5 UNCH | 849.00B | 321.00A |
| 6700 | ---- | 678.00B | 587.25A | ---- | 588.25- | 6475 | .651 | ---- | ---- | 6 UNCH | 834.25B | 311.50A |
| 6730 | ---- | 655.50B | 566.25A | ---- | 567.25- | 6375 | .641 | ---- | ---- | 16 UNCH | 811.50B | 297.75A |
| 6750 | ---- | 640.75B | 552.75A | ---- | 553.50- | 6300 | .634 | ---- | ---- | 2 UNCH | 796.75B | 288.75A |
| 6800 | ---- | 604.25B | 519.25A | ---- | 519.75- | 6100 | .616 | ---- | ---- | 4 UNCH | 762.25B | 267.00A |
| 6820 | ---- | 589.75B | 506.00A | ---- | 506.50- | 6000 | .608 | ---- | ---- | 1 UNCH | 746.50B | 258.75A |
| 6850 | 522.00 | 568.50B | 486.25A | ---- | 486.75- | 5900 | .597 | ---- | 1 | 1 UNCH | 725.50B | 246.50A |
| 6900 | ---- | 533.50B | 454.25A | ---- | 454.50- | 5700 | .577 | ---- | ---- | 3 UNCH | 692.50B | 227.00A |
| 6920 | 493.75 | 519.75B | 441.75A | ---- | 442.00- | 5625 | .569 | ---- | 5 | 10 UNCH | 677.50B | 219.25A |
| 6930 | 489.75 | 513.00B | 435.50A | ---- | 435.75- | 5575 | .565 | ---- | 10 | 3 - 7 | 670.50B | 215.75A |
| 6940 | ---- | 506.25B | 429.50A | ---- | 429.50- | 5525 | .561 | ---- | ---- | 3 UNCH | 664.25B | 212.00A |
| 6950 | ---- | 499.50B | 423.25A | ---- | 423.25- | 5500 | .557 | ---- | ---- | 6 UNCH | 657.25B | 208.25A |
| 6960 | 474.50 | 492.75B | 417.25A | ---- | 417.25- | 5450 | .553 | ---- | 5 | 4 - 5 | 651.75B | 204.75A |
| 6970 | ---- | 486.00B | 411.25A | ---- | 411.25- | 5400 | .549 | ---- | ---- | 1 UNCH | 645.25B | 201.25A |
| 6990 | ---- | 475.25B | 399.25A | ---- | 399.00- | 5325 | .541 | ---- | ---- | 3 UNCH | 631.75B | 194.25A |
| 7000 | ---- | 468.75B | 393.25A | ---- | 393.25- | 5275 | .536 | ---- | ---- | 260 UNCH | 625.00B | 188.00A |
| 7010 | ---- | 462.25B | 387.50A | ---- | 387.25- | 5225 | .532 | ---- | ---- | 2 UNCH | 618.50B | 195.75A |
| 7030 | ---- | 449.25B | 375.75A | ---- | 375.50- | 5150 | .524 | ---- | ---- | 2 UNCH | 605.50B | 188.25A |
| 7040 | ---- | 442.75B | 370.00A | ---- | 369.75- | 5100 | .519 | ---- | ---- | 4 UNCH | 599.25B | 184.75A |
| 7050 | ---- | 436.25B | 364.25A | ---- | 364.00- | 5050 | .515 | ---- | ---- | 13 UNCH | 592.75B | 181.25A |
| 7060 | ---- | 430.00B | 358.50A | ---- | 358.25- | 5025 | .511 | ---- | ---- | 6 UNCH | 586.50B | 178.00A |
| 7070 | ---- | 423.75B | 353.00A | ---- | 352.75- | 4950 | .506 | ---- | ---- | 1 UNCH | 580.00B | 174.75A |
| 7080 | ---- | 417.50B | 347.25A | ---- | 347.00- | 4925 | .502 | ---- | ---- | 4 UNCH | 573.50B | 171.50A |
| 7090 | ---- | 411.25B | 341.75A | ---- | 341.50- | 4875 | .497 | ---- | ---- | 2 UNCH | 567.50B | 168.25A |
| 7100 | ---- | 405.00B | 336.25A | ---- | 336.00- | 4825 | .493 | ---- | ---- | 2 UNCH | 560.75B | 165.00A |
| 7110 | ---- | 398.75B | 331.00A | ---- | 330.50- | 4775 | .489 | ---- | ---- | 6 UNCH | 555.00B | 162.25A |
| 7130 | ---- | 386.50B | 320.25A | ---- | 319.75- | 4675 | .480 | ---- | ---- | 3 UNCH | 542.50B | 155.75A |
| 7140 | 360.00 | 380.50B | 314.75A | ---- | 314.50- | 4625 | .475 | ---- | 1 | 4 UNCH | 536.50B | 153.00A |
| 7150 | ---- | 374.50B | 309.50A | ---- | 309.00- | 4600 | .471 | ---- | ---- | 12 UNCH | 530.00B | 150.00A |
| 7160 | ---- | 368.75B | 304.25A | ---- | 304.00- | 4525 | .466 | ---- | ---- | 4 UNCH | 523.25B | 146.75A |
| 7170 | 339.75 | 362.75B | 299.25A | ---- | 298.75- | 4475 | .462 | ---- | 21 | 40 UNCH | 517.00B | 144.00A |
| 7180 | ---- | 357.00B | 294.00A | ---- | 293.50- | 4425 | .457 | ---- | ---- | 6 UNCH | 511.00B | 141.00A |
| 7190 | ---- | 351.00B | 289.00A | ---- | 288.50- | 4375 | .453 | ---- | ---- | 10 UNCH | 505.75B | 138.00A |
| 7200 | ---- | 345.25B | 284.00A | ---- | 283.50- | 4325 | .448 | ---- | ---- | 47 UNCH | 500.25B | 135.50A |
| 7210 | 321.00 | 339.50B | 279.00A | ---- | 278.50- | 4275 | .443 | ---- | 5 | 16 UNCH | 494.25B | 132.50A |
| 7220 | ---- | 334.00B | 274.00A | ---- | 273.50- | 4225 | .439 | ---- | ---- | 25 UNCH | 487.00B | 129.75A |
| 7230 | ---- | 328.25B | 269.00A | ---- | 268.50- | 4175 | .434 | ---- | ---- | 20 UNCH | 481.50B | 127.00A |
| 7240 | 281.50 | 322.75B | 264.25A | ---- | 263.75- | 4125 | .430 | ---- | 4 | 8 + 4 | 475.50B | 124.75A |
| 7250 | 276.50 | 317.00B | 259.25A | ---- | 259.00- | 4050 | .425 | ---- | 4 | 58 UNCH | 471.00B | 122.25A |
| 7260 | ---- | 311.50B | 254.50A | ---- | 254.00- | 4025 | .420 | ---- | ---- | 5 UNCH | 465.25B | 119.75A |
| 7270 | ---- | 306.25B | 250.00A | ---- | 249.50- | 3950 | .416 | ---- | ---- | 5 UNCH | 459.75B | 117.25A |
| 7290 | ---- | 295.25B | 240.75A | ---- | 240.25- | 3850 | .406 | ---- | ---- | 4 UNCH | 447.25B | 112.00A |
| 7300 | ---- | 290.00B | 236.00A | ---- | 235.50- | 3825 | .402 | ---- | ---- | 11 UNCH | 441.50B | 110.00A |
| 7310 | ---- | 284.75B | 231.50A | ---- | 231.00- | 3750 | .397 | ---- | ---- | 2 UNCH | 436.00B | 108.00A |
| 7320 | ---- | 279.50B | 227.00A | ---- | 226.50- | 3700 | .392 | ---- | ---- | 6 UNCH | 430.50B | 105.50A |
| 7330 | ---- | 274.50B | 222.75A | ---- | 222.25- | 3650 | .388 | ---- | ---- | 2 UNCH | 425.00B | 103.25A |
| 7400 | ---- | 239.50B | 193.00A | ---- | 192.50- | 3275 | .355 | ---- | ---- | 23 UNCH | 388.25B | 86.75 |
| 7430 | ---- | 225.50B | 181.25A | ---- | 180.50- | 3125 | .341 | ---- | ---- | 7 UNCH | 372.75B | 83.50A |
| 7440 | ---- | 220.75B | 177.50A | ---- | 176.75- | 3075 | .336 | ---- | ---- | 24 UNCH | 367.75B | 81.75A |
| 7450 | ---- | 216.25B | 173.75A | ---- | 172.75- | 3025 | .331 | ---- | ---- | 12 UNCH | 363.00B | 79.75A |
| 7490 | ---- | 198.50B | 159.00A | ---- | 158.00- | 2825 | .313 | ---- | ---- | 7 UNCH | 342.50B | 72.50A |
| 7500 | ---- | 194.25B | 155.50A | ---- | 154.50- | 2750 | .308 | ---- | ---- | 69 UNCH | 338.50B | 70.75A |
| 7520 | ---- | 185.75B | 148.50A | ---- | 147.50- | 2650 | .299 | ---- | ---- | 25 UNCH | 328.25B | 67.50A |
| 7550 | ---- | 173.50B | 138.50A | ---- | 137.25- | 2525 | .285 | ---- | ---- | 32 UNCH | 313.50B | 62.50A |
| 7600 | ---- | 154.25B | 122.75A | ---- | 121.50- | 2275 | .262 | ---- | ---- | 32 UNCH | 290.50B | 55.00 |
| 7620 | ---- | 146.75B | 117.00A | ---- | 115.50- | 2175 | .253 | ---- | ---- | 6 UNCH | 282.00B | 52.25A |
| 7650 | ---- | 136.00B | 108.50A | ---- | 106.75- | 2050 | .240 | ---- | ---- | 8 UNCH | 269.00B | 48.50A |
| 7700 | ---- | 119.50B | 95.25A | ---- | 93.50- | 1825 | .219 | ---- | ---- | 11 UNCH | 247.75B | 42.50A |
| 7800 | ---- | 90.25B | 72.25A | ---- | 70.50- | 1450 | .179 | ---- | ---- | 4 UNCH | 213.25 | 32.75A |
| 7850 | 62.25 | 78.25B | 62.25 | ---- | 60.75- | 1275 | .160 | ---- | 1 | 4 UNCH | 192.25B | 29.00A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7900 | ---- | 67.50B | 53.75A | ---- | 52.25- | 1100 | .143 | ---- | ---- | 3 | UNCH | 176.00B | 30.00A |
| 7920 | ---- | 63.50B | 50.75A | ---- | 49.00- | 1050 | .136 | ---- | ---- | 17 | UNCH | 169.50B | 28.50A |
| 7950 | ---- | 57.75B | 46.25A | ---- | 44.50- | 975 | .126 | ---- | ---- | 1 | UNCH | 160.50B | 26.50A |
| 8000 | 50.00 | 50.00 | 39.50A | ---- | 38.00- | 850 | .112 | ---- | 57 | 113 + | 51 | 146.50B | 23.75 |
| 8050 | ---- | 42.00B | 33.25A | ---- | 32.25- | 725 | .098 | ---- | ---- | 1 | UNCH | 132.50B | 21.50A |
| 8100 | ---- | 35.50B | 28.50A | ---- | 27.25- | 625 | .086 | ---- | ---- | 5 | UNCH | 119.25B | 19.50A |
| 8110 | 33.00 | 34.25B | 27.25A | ---- | 26.50+ | NEW | .084 | ---- | 3 | 3 + | 3 | 116.75B | 19.00A |
| 8200 | ---- | 24.75B | 20.50A | ---- | 19.50- | 450 | .065 | ---- | 55 | 98 + | 50 | 96.25B | 13.00 |
| 8210 | ---- | 23.75B | 19.75A | ---- | 19.00- | 425 | .064 | ---- | ---- | 24 | UNCH | 94.25B | 15.75A |
| 8220 | ---- | 23.00B | 19.25A | ---- | 18.25- | 425 | .062 | ---- | ---- | 7 | UNCH | 92.25B | 15.50A |
| 8230 | ---- | 22.00B | 18.75A | ---- | 17.75- | 400 | .060 | ---- | ---- | 85 | UNCH | 90.25B | 15.25A |
| 8240 | ---- | 21.25B | 18.00A | ---- | 17.25- | 375 | .059 | ---- | ---- | 46 | UNCH | 88.00B | 14.75A |
| 8250 | ---- | 20.50B | 17.50A | ---- | 16.50- | 375 | .057 | ---- | ---- | 1 | UNCH | 86.50B | 14.50A |
| 8270 | ---- | ---- | 16.50A | ---- | 15.50- | 350 | .054 | ---- | ---- | 22 | UNCH | 82.75B | 15.25A |
| 8290 | ---- | ---- | 15.50A | ---- | 14.50- | 325 | .051 | ---- | ---- | 19 | UNCH | 79.00B | 14.50A |
| 8300 | ---- | ---- | 15.25A | ---- | 14.00- | 325 | .049 | ---- | ---- | 5 | UNCH | 77.25B | 14.00A |
| 8360 | ---- | ---- | 13.00A | ---- | 11.75- | 225 | .042 | ---- | ---- | 20 | UNCH | 67.50B | 12.50A |
| 8390 | ---- | ---- | *12.00A | ---- | 10.75- | 200 | .039 | ---- | ---- | 19 | UNCH | 62.75B | 12.00A |
| 8400 | ---- | ---- | *11.75A | ---- | 10.25- | 200 | .037 | ---- | ---- | 2 | UNCH | 61.25B | 11.75A |
| 8410 | ---- | ---- | 11.75A | ---- | 10.00- | 200 | .037 | ---- | ---- | 25 | UNCH | 60.00B | 11.75A |
| 8450 | ---- | ---- | ---- | ---- | 9.00- | 150 | .033 | ---- | ---- | 4 | UNCH | 55.00 | 6.00 |
| 8500 | ---- | ---- | ---- | ---- | 7.75- | 125 | .029 | ---- | ---- | 174 | UNCH | 50.00 | 10.50A |
| 8600 | ---- | ---- | ---- | ---- | 6.00- | 75 | .023 | ---- | ---- | 345 | UNCH | 20.00 | 10.75A |
| 8700 | ---- | ---- | ---- | ---- | 4.60- | 40 | .018 | ---- | ---- | 2 | UNCH | 28.50B | 8.50A |
| 8760 | ---- | ---- | ---- | ---- | 4.05- | 30 | .016 | ---- | ---- | 24 | UNCH | 5.25 | 5.25 |
| 8790 | ---- | ---- | ---- | ---- | 3.75- | 30 | .015 | ---- | ---- | 24 | UNCH | 5.00 | 5.00 |
| 8800 | ---- | ---- | ---- | ---- | 3.70- | 25 | .014 | ---- | ---- | 24 | UNCH | 24.00B | 2.80 |
| 8810 | ---- | ---- | ---- | ---- | 3.60- | 25 | .014 | ---- | ---- | 24 | UNCH | 5.50 | 5.50 |
| 8840 | ---- | ---- | ---- | ---- | 3.40- | 20 | .013 | ---- | ---- | 24 | UNCH | 4.95 | 4.95 |
| 9000 | ---- | ---- | ---- | ---- | 2.45- | 20 | .009 | ---- | ---- | 10 | UNCH | 12.00 | 4.85A |
| 9040 | ---- | ---- | ---- | ---- | 2.25- | 25 | .009 | ---- | ---- | 1 | UNCH | 18.00 | 4.60A |
| TOTAL | | | | | | | | | 172 | 2114 + | 96 | | |
| MAR19 | EMINI NASD CALL | (FUTURES SETT. 7051.75 - 10575.0 ) | | | | | | | | | | | |
| 6170 | ---- | ---- | 1.00095.0 | ---- | 1,073.75- | 7900 | .777 | ---- | ---- | 1 | UNCH | 1,274.50B | 700.00A |
| 6320 | ---- | ---- | 976.75A | ---- | 956.25- | 7525 | .745 | ---- | ---- | 1 | UNCH | 1,149.25B | 609.50A |
| 6710 | ---- | 756.00B | 674.25A | ---- | 673.00- | 6350 | .643 | ---- | ---- | 2 | UNCH | 843.00B | 405.00A |
| 6920 | ---- | 610.00B | 539.25A | ---- | 536.25- | 5625 | .577 | ---- | ---- | 10 | UNCH | 730.00B | 308.75A |
| 6950 | 550.00 | 590.25B | 521.00A | ---- | 517.50- | 5550 | .567 | ---- | 3 | ---- | 3 | 708.25B | 296.25A |
| 7010 | ---- | 557.00B | 485.25A | ---- | 481.25- | 5350 | .547 | ---- | ---- | 2 | UNCH | 665.75B | 272.75A |
| 7060 | ---- | 525.25B | 456.50A | ---- | 452.00- | 5175 | .529 | ---- | ---- | 3 | UNCH | 631.00B | 254.25A |
| 7070 | ---- | 519.00B | 451.00A | ---- | 446.25- | 5150 | .525 | ---- | ---- | 2 | UNCH | 624.00B | 250.50A |
| 7090 | ---- | 506.75B | 439.75A | ---- | 435.00- | 5050 | .518 | ---- | ---- | 2 | UNCH | 610.50B | 243.50A |
| 7130 | ---- | 482.25B | 417.50A | ---- | 412.75- | 4900 | .504 | ---- | ---- | 1 | UNCH | 583.50B | 230.25A |
| 7150 | ---- | 470.25B | 406.75A | ---- | 402.00- | 4825 | .496 | ---- | ---- | 2 | UNCH | 570.25B | 223.00A |
| 7290 | ---- | 390.00B | 335.25A | ---- | 330.25- | 4225 | .444 | ---- | ---- | 4 | UNCH | 481.00B | 178.00A |
| 7340 | ---- | 363.25B | 311.50A | ---- | 306.75- | 3975 | .425 | ---- | ---- | 10 | UNCH | 450.50B | 163.50A |
| 7380 | ---- | 342.50B | 293.25A | ---- | 288.50- | 3800 | .409 | ---- | ---- | 4 | UNCH | 427.00B | 153.00A |
| 7700 | ---- | 199.25B | 170.50A | ---- | 165.50- | 2425 | .287 | ---- | ---- | 1 | UNCH | 260.75B | 88.00A |
| 8500 | ---- | ---- | ---- | ---- | 24.50- | 450 | .068 | ---- | ---- | 11 | UNCH | 40.25B | 19.00 |
| 9130 | ---- | ---- | ---- | ---- | 6.00- | 25 | .019 | ---- | ---- | 4 | UNCH | 9.00 | 9.00 |
| 9150 | ---- | ---- | ---- | ---- | 5.75- | 25 | .018 | ---- | ---- | 25 | UNCH | 8.75 | 8.75 |
| 9260 | ---- | ---- | ---- | ---- | 4.55- | 30 | .015 | ---- | ---- | 10 | UNCH | 7.50B | 7.25 |
| 9310 | ---- | ---- | ---- | ---- | 4.10- | 30 | .013 | ---- | ---- | 25 | UNCH | 7.00B | 6.75 |
| TOTAL | | | | | | | | | 3 | 120 - | 3 | | |
| RTM EOM JUN18 | RTM EOM | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1560 | ---- | ---- | ---- | ---- | 84.80- | 3000 | .991 | ---- | ---- | 26 | UNCH | 152.40B | 23.40A |
| 1565 | ---- | ---- | ---- | ---- | 79.90- | 2990 | .989 | ---- | ---- | 23 | UNCH | 147.40B | 21.30A |
| 1570 | ---- | ---- | ---- | ---- | 74.90- | 2990 | .987 | ---- | ---- | 37 | UNCH | 142.50B | 19.20A |
| 1575 | ---- | ---- | ---- | ---- | 70.00- | 2980 | .985 | ---- | ---- | 22 | UNCH | 137.50B | 17.30A |
| 1590 | ---- | ---- | 57.00A | ---- | 55.40- | 2960 | .969 | ---- | ---- | 31 | UNCH | 122.70B | 12.40A |
| 1595 | ---- | ---- | 52.20A | ---- | 50.60- | 2940 | .958 | ---- | ---- | 24 | UNCH | 117.80B | 11.00A |
| 1600 | ---- | ---- | 47.40A | ---- | 45.90- | 2920 | .946 | ---- | ---- | 72 | UNCH | 113.00B | 9.70A |
| 1605 | ---- | ---- | 42.00A | ---- | 41.30- | 2880 | .930 | ---- | ---- | 18 | UNCH | 108.00B | 8.50A |
| 1615 | ---- | ---- | 32.80A | ---- | 32.30- | 2800 | .878 | ---- | ---- | 83 | UNCH | 98.30B | 6.60A |
| 1620 | ---- | ---- | 27.50A | ---- | 27.90- | 2760 | .841 | ---- | ---- | 32 | UNCH | 93.40B | 5.80A |
| 1625 | ---- | ---- | 23.40A | ---- | 23.80- | 2690 | .794 | ---- | ---- | 96 | UNCH | 88.40B | 5.00A |
| 1630 | ---- | ---- | 19.60A | ---- | 19.80- | 2610 | .738 | ---- | ---- | 25 | UNCH | 83.70B | 4.40A |
| 1635 | ---- | ---- | 16.00A | ---- | 16.20- | 2500 | .666 | ---- | ---- | 20 | UNCH | 78.80B | 3.90A |
| 1640 | ---- | ---- | 12.80A | ---- | 12.80- | 2380 | .584 | ---- | ---- | 15 | UNCH | 74.10B | 3.40A |
| 1645 | ---- | ---- | 9.90A | ---- | 9.90- | 2210 | .491 | ---- | ---- | 71 | UNCH | 69.20B | 3.00A |
| 1655 | ---- | ---- | 5.40A | ---- | 5.30- | 1810 | .298 | ---- | ---- | 47 | UNCH | 59.90B | 2.25A |
| 1660 | 10.80 | 19.10B | 3.80A | ---- | 3.70- | 1580 | .213 | ---- | 9 | 13 - | 1 | 55.50B | 2.00A |
| 1665 | 12.50 | 15.40B | 2.60A | ---- | 2.55- | 1315 | .146 | ---- | 5 | 39 - | 1 | 51.00B | 1.75A |
| 1670 | 8.70 | 11.90B | 1.70A | ---- | 1.70- | 1070 | .094 | ---- | 13 | 78 - | 2 | 46.50B | 1.55A |
| 1675 | 8.20 | 8.90B | *1.15A | ---- | 1.10- | 830 | .057 | ---- | 73 | 92 + | 46 | 42.00B | 1.15A |
| 1680 | 3.50 | 3.80B | *.80A | ---- | .75- | 615 | .035 | ---- | 21 | 29 | UNCH | 38.70B | .80A |
| 1685 | 4.25 | 4.40B | *.55A | ---- | .45- | 440 | .019 | ---- | 114 | 103 + | 21 | 34.50B | .55A |
| 1690 | 2.20 | 2.40B | *.45A | ---- | .30- | 300 | .011 | ---- | 3 | 57 + | 1 | 30.40B | .45A |
| 1695 | ---- | ---- | *.30A | ---- | .20- | 200 | .006 | ---- | ---- | 41 | UNCH | 26.60B | .30A |
| 1700 | ---- | ---- | *.25A | ---- | .10- | 130 | .002 | ---- | 4 | 155 + | 2 | 22.90B | .25A |
| 1705 | ---- | ---- | *.20A | ---- | .05- | 85 | .001 | ---- | ---- | 89 | UNCH | 19.40B | .20A |
| 1710 | 0.20 | .20 | *.20 | ---- | .05- | 55 | .000 | ---- | 2 | 163 - | 2 | 16.20B | .20 |
| TOTAL | | | | | | | | | 244 | 1501 + | 64 | | |
| JUL18 | RTM EOM | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1490 | ---- | ---- | 159.00A | ---- | 157.80- | 2870 | .933 | ---- | ---- | 15 | UNCH | 223.00B | 65.90A |
| 1510 | ---- | ---- | 139.90A | ---- | 138.70- | 2830 | .915 | ---- | ---- | 17 | UNCH | 203.40B | 55.00A |
| 1520 | ---- | ---- | 130.00A | ---- | 129.30- | 2800 | .904 | ---- | ---- | 18 | UNCH | 193.60B | 50.00A |
| 1530 | ---- | ---- | 120.70A | ---- | 119.90- | 2780 | .891 | ---- | ---- | 18 | UNCH | 183.90B | 45.20A |
| 1540 | ---- | ---- | 111.50A | ---- | 110.70- | 2740 | .875 | ---- | ---- | 1 | UNCH | 174.10B | 40.00A |
| 1545 | ---- | ---- | 107.00A | ---- | 106.20- | 2710 | .867 | ---- | ---- | 26 | UNCH | 169.20B | 37.30A |
| 1560 | ---- | ---- | 93.40A | ---- | 92.80- | 2640 | .837 | ---- | ---- | 1 | UNCH | 154.70B | 29.80A |
| 1565 | ---- | ---- | 89.10A | ---- | 88.40- | 2610 | .825 | ---- | ---- | 4 | UNCH | 149.80B | 27.50A |
| 1570 | ---- | ---- | 84.80A | ---- | 84.10- | 2570 | .812 | ---- | ---- | 18 | UNCH | 145.10B | 25.30A |
| 1575 | ---- | ---- | 79.30A | ---- | 79.80- | 2540 | .799 | ---- | ---- | 3 | UNCH | 140.30B | 23.20A |
| 1580 | ---- | ---- | 75.10A | ---- | 75.50- | 2510 | .786 | ---- | ---- | 5 | UNCH | 135.50B | 21.30A |
| 1585 | ---- | ---- | 70.90A | ---- | 71.40- | 2470 | .771 | ---- | ---- | 55 | UNCH | 130.70B | 19.40A |
| 1590 | ---- | ---- | 66.80A | ---- | 67.20- | 2430 | .755 | ---- | ---- | 12 | UNCH | 125.90B | 17.70A |
| 1595 | ---- | ---- | 62.80A | ---- | 63.20- | 2390 | .738 | ---- | ---- | 25 | UNCH | 121.10B | 16.00A |
| 1600 | ---- | ---- | 58.90A | ---- | 59.20- | 2340 | .720 | ---- | ---- | 50 | UNCH | 116.40B | 14.50A |
| 1605 | ---- | ---- | 55.00A | ---- | 55.30- | 2290 | .701 | ---- | ---- | 50 | UNCH | 111.90B | 13.10A |
| 1610 | ---- | ---- | 51.20A | ---- | 51.50- | 2240 | .680 | ---- | ---- | 81 | UNCH | 107.50B | 11.80A |
| 1610 | ---- | ---- | 56.90A | ---- | 56.50- | 2150 | .657 | ---- | ---- | 2 | UNCH | 109.50B | 16.50A |
| 1615 | 47.00 | 49.30B | *42.80A | ---- | 43.20+ | NEW | .686 | ---- | 23 | 23 + | 23 | 100.70B | 42.80A |
| 1615 | ---- | ---- | 47.50A | ---- | 47.80- | 2190 | .658 | ---- | ---- | 70 | UNCH | 102.80B | 10.60A |
| 1620 | ---- | ---- | 43.90A | ---- | 44.20- | 2130 | .636 | ---- | ---- | 18 | UNCH | 98.20B | 9.50A |
| 1625 | ---- | ---- | 40.40A | ---- | 40.80- | 2050 | .612 | ---- | ---- | 33 | UNCH | 93.60B | 8.50A |
| 1625 | ---- | ---- | 46.10A | ---- | 45.90- | 1980 | .598 | ---- | ---- | 1 | UNCH | 95.90B | 12.50A |
| 1630 | ---- | 53.30B | *32.10A | ---- | 32.40- | 2080 | .602 | ---- | ---- | 5 | UNCH | 87.00B | 32.10A |
| 1630 | ---- | ---- | 37.00A | ---- | 37.40- | 1990 | .587 | ---- | ---- | 22 | UNCH | 89.10B | 7.50A |
| 1630 | ---- | ---- | 42.80A | ---- | 42.60- | 1920 | .576 | ---- | ---- | 2 | UNCH | 91.40B | 11.30A |
| 1635 | ---- | ---- | *28.80A | ---- | 29.10- | 2000 | .570 | ---- | ---- | 3 | UNCH | 82.40B | 28.80A |
| 1635 | ---- | ---- | 33.80A | ---- | 34.10- | 1920 | .560 | ---- | ---- | 53 | UNCH | 84.50B | 6.70A |
| 1640 | ---- | ---- | 30.70A | ---- | 31.00- | 1840 | .533 | ---- | ---- | 24 | UNCH | 80.00B | 6.00A |
| 1640 | ---- | ---- | *25.70A | ---- | 25.90- | 1910 | .537 | ---- | ---- | 5 | UNCH | 77.80B | 25.70A |
| 1640 | ---- | ---- | 36.40A | ---- | 36.30- | 1780 | .531 | ---- | ---- | 1 | UNCH | 82.60B | 9.40A |
| 1645 | ---- | ---- | *22.70A | ---- | 22.90- | 1820 | .502 | ---- | ---- | 3 | UNCH | 73.20B | 22.70A |
| 1645 | ---- | ---- | 27.60A | ---- | 27.90- | 1770 | .504 | ---- | ---- | 13 | UNCH | 75.60B | 5.30A |
| 1645 | ---- | ---- | 33.40A | ---- | 33.20- | 1720 | .507 | ---- | ---- | 5 | UNCH | 78.30B | 8.50A |
| 1650 | ---- | ---- | 30.60A | ---- | 30.40- | 1630 | .482 | ---- | ---- | 5 | UNCH | 74.00B | 7.70A |
| 1650 | ---- | ---- | *19.90A | ---- | 20.10- | 1720 | .466 | ---- | ---- | 5 | UNCH | 68.70B | 19.90A |
| 1650 | 27.50 | 29.10B | 24.80A | ---- | 25.10- | 1680 | .475 | ---- | 3 | 98 + | 1 | 72.10B | 4.70A |
| 1655 | ---- | ---- | 22.00A | ---- | 22.30- | 1590 | .445 | ---- | ---- | 16 | UNCH | 67.90B | 4.10A |
| 1655 | ---- | ---- | *25.90A | ---- | 26.10+ | NEW | .454 | ---- | 14 | 14 + | 14 | 43.50B | 25.90A |
| 1660 | ---- | ---- | 19.50A | ---- | 19.70- | 1500 | .413 | ---- | ---- | 46 | UNCH | 63.60B | 3.70A |
| 1660 | ---- | ---- | 25.20A | ---- | 25.00- | 1480 | .431 | ---- | ---- | 1 | UNCH | 65.60B | 6.20A |
| 1665 | ---- | 26.90B | *12.70A | ---- | 12.80- | 1390 | .353 | ---- | ---- | 10 | UNCH | 56.70B | 12.70A |
| 1665 | ---- | ---- | 17.10A | ---- | 17.30- | 1410 | .382 | ---- | ---- | 150 | UNCH | 59.40B | 3.20A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1665 | ---- | ---- | 22.80A | ---- | 22.50- | 1400 | .405 | ---- | ---- | 1 | UNCH | 61.60B | 5.60A |
| 1670 | 27.00 | 27.40B | 14.90A | ---- | 15.10- | 1300 | .350 | ---- | 35 | 53 | UNCH | 55.30B | 2.90A |
| 1670 | 18.60 | 23.70B | *10.70A | ---- | 10.80+ | NEW | .315 | ---- | 121 | 121 + | 121 | 52.40B | 10.70A |
| 1675 | 24.60 | 25.10B | *16.30A | ---- | 16.60- | 1220 | .344 | ---- | 11 | 15 + | 1 | 30.20B | 16.30A |
| 1675 | ---- | ---- | 12.90A | ---- | 13.00- | 1210 | .318 | ---- | ---- | 265 | UNCH | 51.20B | 2.50A |
| 1675 | 13.10 | 20.60B | *8.90 | ---- | 9.00- | 1150 | .277 | ---- | 117 | 120 + | 115 | 48.30B | 8.90 |
| 1680 | 15.90 | 17.00B | *7.30 | ---- | 7.40- | 1030 | .241 | ---- | 68 | 53 + | 34 | 44.30B | 7.30 |
| 1680 | 14.50 | 14.70B | 11.10A | ---- | 11.10- | 1110 | .286 | ---- | 113 | 217 + | 111 | 47.30B | 2.20A |
| 1680 | ---- | ---- | 16.10A | ---- | 15.90- | 1140 | .326 | ---- | ---- | 1 | UNCH | 49.80B | 4.10A |
| 1680 | 21.90 | 22.40B | *14.40A | ---- | 14.50+ | NEW | .316 | ---- | 13 | 13 + | 13 | 27.20B | 14.40A |
| 1685 | 13.40 | 14.40B | *5.90 | ---- | 6.00- | 910 | .207 | ---- | 43 | 43 + | 15 | 40.30B | 5.90 |
| 1685 | 15.00 | 16.10B | 9.40A | ---- | 9.50- | 990 | .257 | ---- | 19 | 65 | UNCH | 43.40B | 1.95A |
| 1690 | 11.40 | 11.40 | *4.75 | ---- | 4.85- | 785 | .176 | ---- | 42 | 48 + | 27 | 36.50B | 4.75 |
| 1690 | 9.60 | 9.60 | 8.00A | ---- | 8.00- | 890 | .227 | ---- | 1 | 135 | UNCH | 39.70B | 1.75A |
| 1690 | 17.00 | 17.00 | *10.90A | ---- | 11.00+ | NEW | .262 | ---- | 3 | 3 + | 3 | 21.60B | 10.90A |
| 1690 | ---- | ---- | 12.50A | ---- | 12.20- | 970 | .273 | ---- | ---- | 1 | UNCH | 43.00B | 3.35A |
| 1695 | ---- | ---- | 6.80A | ---- | 6.70- | 780 | .199 | ---- | ---- | 90 | UNCH | 36.10B | 1.55A |
| 1695 | ---- | ---- | *3.90A | ---- | 3.90- | 660 | .148 | ---- | ---- | 25 | UNCH | 32.90B | 3.90A |
| 1695 | 14.90 | 15.10B | *9.50A | ---- | 9.50+ | NEW | .236 | ---- | 12 | 12 + | 12 | 19.10B | 9.50A |
| 1700 | 15.20 | 16.40B | 9.50A | ---- | 9.20- | 790 | .224 | ---- | 1 | 3 | UNCH | 36.20B | 2.75A |
| 1700 | ---- | ---- | *8.20A | ---- | 8.20- | 750 | .212 | ---- | ---- | 7 | UNCH | 16.70B | 8.20A |
| 1700 | 6.00 | 6.90B | 5.60A | ---- | 5.60- | 680 | .174 | ---- | 1 | 132 - | 1 | 32.70B | 1.35A |
| 1700 | ---- | ---- | *3.10A | ---- | 3.10- | 560 | .123 | ---- | ---- | 81 | UNCH | 29.40B | 3.10A |
| 1705 | 11.70 | 11.70 | *7.00A | ---- | 7.00+ | NEW | .188 | ---- | 5 | 1 + | 1 | 14.50B | 7.00A |
| 1705 | 2.40 | 2.45 | *2.40 | ---- | 2.45+ | NEW | .101 | ---- | 11 | 11 + | 11 | 26.10B | 2.40 |
| 1705 | 11.80 | 11.80 | 8.30A | ---- | 7.90- | 710 | .200 | ---- | 6 | 6 | UNCH | 32.90B | 2.50A |
| 1705 | ---- | ---- | 4.70A | ---- | 4.60- | 580 | .149 | ---- | ---- | 50 | UNCH | 29.40B | 1.20A |
| 1710 | 4.70 | 4.80B | *1.90 | ---- | 1.95- | 365 | .083 | ---- | 123 | 59 + | 40 | 22.90B | 1.90 |
| 1710 | 7.80 | 8.10B | 3.90A | ---- | 3.80- | 490 | .128 | ---- | 61 | 79 + | 8 | 26.30B | 1.10A |
| 1715 | 3.60 | 3.70B | *1.50A | ---- | 1.55- | 285 | .067 | ---- | 18 | 70 + | 11 | 20.00B | 1.50A |
| 1715 | 6.80 | 6.80 | 3.20A | ---- | 3.15- | 405 | .110 | ---- | 81 | 120 - | 8 | 23.30B | .95A |
| 1715 | ---- | ---- | 6.10A | ---- | 5.70- | 560 | .157 | ---- | ---- | 1 | UNCH | 26.90B | 3.95A |
| 1715 | 5.90 | 6.10B | *5.00A | ---- | 4.95+ | NEW | .145 | ---- | 12 | 12 + | 12 | 10.70B | 5.00A |
| 1720 | 4.90 | 5.10B | *4.30A | ---- | 4.15+ | NEW | .126 | ---- | 10 | 10 + | 10 | 9.10B | 4.30A |
| 1720 | 1.55 | 1.55 | *1.20A | ---- | 1.25+ | NEW | .055 | ---- | 24 | 24 + | 24 | 17.30B | 1.20A |
| 1720 | ---- | ---- | 2.65A | ---- | 2.55- | 335 | .092 | ---- | ---- | 74 | UNCH | 20.60B | .85A |
| 1725 | 3.50 | 3.50 | 2.20A | ---- | 2.10- | 270 | .078 | ---- | 94 | 156 + | 2 | 18.00B | .80A |
| 1725 | 1.65 | 1.70B | *.95A | ---- | 1.00- | 165 | .045 | ---- | 89 | 97 + | 18 | 14.80B | .95A |
| 1725 | ---- | ---- | 4.35A | ---- | 4.05- | 415 | .120 | ---- | ---- | 1 | UNCH | 21.40B | 3.10A |
| 1730 | 3.40 | 3.40 | 1.80A | ---- | 1.75- | 210 | .066 | ---- | 25 | 106 + | 23 | 15.60B | .70A |
| 1730 | ---- | ---- | 3.70A | ---- | 3.40- | 360 | .104 | ---- | ---- | 2 | UNCH | 19.50 | 3.10A |
| 1735 | 1.65 | 1.65 | 1.45A | ---- | 1.45- | 165 | .056 | ---- | 4 | 80 | UNCH | 13.50B | .65A |
| 1735 | ---- | ---- | *.70A | ---- | .70- | 85 | .032 | ---- | ---- | 1 | UNCH | 10.60B | .70A |
| 1735 | ---- | ---- | 3.15A | ---- | 2.85- | 305 | .090 | ---- | ---- | 2 | UNCH | 16.70B | 2.85A |
| 1735 | 2.80 | 2.80 | *2.50A | ---- | 2.40+ | NEW | .080 | ---- | 23 | 23 + | 23 | 5.30B | 2.50A |
| 1740 | ---- | ---- | 1.20A | ---- | 1.20- | 130 | .047 | ---- | ---- | 57 | UNCH | 11.90B | .60A |
| 1740 | 2.25 | 2.35B | *2.10A | ---- | 2.00+ | NEW | .069 | ---- | 3 | 3 + | 3 | 4.40B | 2.10A |
| 1745 | ---- | ---- | *.50A | ---- | .50- | 40 | .023 | ---- | ---- | 52 | UNCH | 7.30B | .50A |
| 1745 | ---- | ---- | 1.05A | ---- | 1.00- | 100 | .040 | ---- | ---- | 161 | UNCH | 9.80B | .55A |
| 1750 | ---- | ---- | *.45A | ---- | .45- | 25 | .020 | ---- | ---- | 28 | UNCH | 5.90B | .45A |
| 1750 | 0.90 | .90 | .90 | ---- | .85- | 75 | .034 | ---- | 6 | 152 + | 6 | 10.00B | .50A |
| 1755 | ---- | ---- | *.40A | ---- | .35- | 20 | .016 | ---- | ---- | 2 | UNCH | 4.80B | .40A |
| 1755 | ---- | ---- | .80A | ---- | .70- | 60 | .028 | ---- | ---- | 81 | UNCH | 6.90B | .50A |
| 1760 | ---- | ---- | *.35A | ---- | .30- | 15 | .013 | ---- | ---- | 5 | UNCH | 3.90B | .35A |
| 1760 | ---- | ---- | .70A | ---- | .60- | 45 | .024 | ---- | ---- | 112 | UNCH | 8.40B | .45A |
| 1765 | ---- | ---- | *.60A | ---- | .55- | 30 | .022 | ---- | ---- | 27 | UNCH | 4.80B | .60A |
| 1765 | ---- | ---- | *.35A | ---- | .30- | 10 | .013 | ---- | ---- | 14 | UNCH | 3.10B | .35A |
| 1770 | ---- | ---- | .50A | ---- | .50- | 20 | .020 | ---- | ---- | 266 | UNCH | 7.00B | .40A |
| 1770 | ---- | ---- | *.30A | ---- | .25- | 10 | .011 | ---- | ---- | 14 | UNCH | 2.50B | .30A |
| 1775 | ---- | ---- | ---- | ---- | .20- | 10 | .008 | ---- | ---- | 84 | UNCH | 2.05B | .45A |
| 1775 | ---- | ---- | .50A | ---- | .45- | 15 | .018 | ---- | ---- | 37 | UNCH | 6.30B | .35A |
| 1780 | ---- | ---- | ---- | ---- | .20- | 5 | .008 | ---- | ---- | 49 | UNCH | 1.65B | .40A |
| 1780 | ---- | ---- | .45A | ---- | .40- | 15 | .016 | ---- | ---- | 63 | UNCH | 5.80B | .35A |
| 1780 | ---- | ---- | *1.10A | ---- | .70- | 50 | .025 | ---- | ---- | 1 | UNCH | 4.15B | 1.10A |
| 1785 | ---- | ---- | *.40A | ---- | .35- | 10 | .014 | ---- | ---- | 3 | UNCH | 2.20B | .40A |
| 1785 | ---- | ---- | ---- | ---- | .15- | 10 | .006 | ---- | ---- | 10 | UNCH | 1.35B | .40A |
| 1790 | ---- | ---- | *.55A | ---- | .45- | 20 | .017 | ---- | ---- | 18 | UNCH | .70B | .55A |
| 1790 | ---- | ---- | ---- | ---- | .35- | 5 | .013 | ---- | ---- | 7 | UNCH | 4.80B | .30A |
| 1790 | ---- | ---- | ---- | ---- | .15- | 5 | .006 | ---- | ---- | 10 | UNCH | 1.10B | .35A |
| 1795 | ---- | ---- | *.50A | ---- | .40- | 15 | .015 | ---- | ---- | 10 | UNCH | .60B | .50A |
| 1795 | ---- | ---- | ---- | ---- | .30- | 5 | .011 | ---- | ---- | 26 | UNCH | 1.50B | .35 |
| 1800 | ---- | ---- | ---- | ---- | .25- | 10 | .009 | ---- | ---- | 151 | UNCH | 3.90B | .30A |
| 1800 | ---- | ---- | ---- | ---- | .40- | 5 | .014 | ---- | ---- | 90 | UNCH | .65 | .50 |
| 1805 | ---- | ---- | ---- | ---- | .25- | 5 | .009 | ---- | ---- | 3 | UNCH | 1.05B | .45A |
| 1810 | ---- | ---- | ---- | ---- | .25- | 5 | .009 | ---- | ---- | 27 | UNCH | 3.20B | .25A |
| 1820 | ---- | ---- | ---- | ---- | .20- | 5 | .007 | ---- | ---- | 19 | UNCH | 1.80B | .25A |
| 1820 | ---- | ---- | ---- | ---- | .10 | UNCH | .003 | ---- | ---- | 3 | UNCH | .50 | .25A |
| 1825 | ---- | ---- | ---- | ---- | .15- | 5 | .005 | ---- | ---- | 101 | UNCH | 1.65B | .25A |
| 1835 | ---- | ---- | ---- | ---- | .15- | 5 | .005 | ---- | ---- | 9 | UNCH | .50 | .30A |
| 1840 | ---- | ---- | ---- | ---- | .15- | 5 | .005 | ---- | ---- | 21 | UNCH | 1.25B | .30A |
| 1845 | ---- | ---- | ---- | ---- | .10- | 5 | .003 | ---- | ---- | 9 | UNCH | .40 | .25A |
| 1860 | ---- | ---- | ---- | ---- | .10- | 5 | .003 | ---- | ---- | 12 | UNCH | .90B | .25A |
| 1875 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 24 | UNCH | .70B | .20A |
| 1890 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 24 | UNCH | .50B | .20A |
| 1900 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 164 | UNCH | .40B | .20A |
| 1910 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 14 | UNCH | .35B | .15A |
| TOTAL | | | | | | | | | 1235 | 5479 + | 673 | | |
| AUG18 | RTM EOM | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1570 | ---- | ---- | 94.70A | ---- | 95.00- | 2330 | .740 | ---- | ---- | 36 | UNCH | 149.90B | 33.30A |
| 1575 | ---- | ---- | 90.70A | ---- | 91.00- | 2300 | .728 | ---- | ---- | 10 | UNCH | 145.30B | 31.10A |
| 1590 | ---- | 101.30B | 79.00A | ---- | 79.30- | 2190 | .691 | ---- | ---- | 1 | UNCH | 131.50B | 25.00A |
| 1600 | ---- | 93.00B | 71.50A | ---- | 71.70- | 2120 | .663 | ---- | ---- | 4 | UNCH | 122.40B | 21.50A |
| 1605 | ---- | 88.90B | 67.80A | ---- | 68.00- | 2080 | .648 | ---- | ---- | 8 | UNCH | 117.90B | 19.80A |
| 1610 | ---- | ---- | 64.20A | ---- | 64.40- | 2040 | .633 | ---- | ---- | 7 | UNCH | 113.50B | 18.20A |
| 1615 | ---- | ---- | 60.70A | ---- | 60.90- | 1990 | .617 | ---- | ---- | 54 | UNCH | 109.10B | 16.80A |
| 1620 | ---- | ---- | 57.30A | ---- | 57.40- | 1950 | .600 | ---- | ---- | 4 | UNCH | 104.70B | 15.40A |
| 1625 | ---- | ---- | 53.90A | ---- | 54.00- | 1900 | .583 | ---- | ---- | 40 | UNCH | 101.30B | 14.10A |
| 1635 | ---- | ---- | 47.40A | ---- | 47.50- | 1790 | .548 | ---- | ---- | 25 | UNCH | 92.70B | 11.80A |
| 1660 | ---- | ---- | 38.70A | ---- | 38.30- | 1470 | .459 | ---- | ---- | 1 | UNCH | 75.30B | 38.30A |
| 1660 | ---- | ---- | 32.80A | ---- | 32.80- | 1490 | .449 | ---- | ---- | 20 | UNCH | 72.10B | 7.30A |
| 1665 | ---- | ---- | 36.10A | ---- | 35.70- | 1410 | .440 | ---- | ---- | 2 | UNCH | 71.50B | 35.70A |
| 1670 | ---- | ---- | 27.80A | ---- | 27.70- | 1350 | .407 | ---- | ---- | 84 | UNCH | 64.30B | 6.00A |
| 1675 | 27.60 | 28.70B | 25.40A | ---- | 25.30- | 1280 | .386 | ---- | 4 | 9 + | 4 | 60.50B | 5.40A |
| 1680 | 25.20 | 26.30B | 23.20A | ---- | 23.10- | 1210 | .364 | ---- | 8 | 31 | UNCH | 56.70B | 4.90A |
| 1685 | ---- | ---- | 21.10A | ---- | 21.00- | 1140 | .343 | ---- | ---- | 3 | UNCH | 53.10B | 4.40A |
| 1690 | 27.50 | 27.50 | 19.10A | ---- | 19.00- | 1070 | .321 | ---- | 10 | 26 + | 9 | 49.60B | 4.00A |
| 1690 | ---- | ---- | 24.30A | ---- | 24.00- | 1100 | .346 | ---- | ---- | 1 | UNCH | 53.90B | 24.10A |
| 1695 | ---- | ---- | 22.40A | ---- | 22.00- | 1040 | .327 | ---- | ---- | 1 | UNCH | 50.60B | 22.00A |
| 1695 | 19.30 | 19.70B | 17.30A | ---- | 17.10- | 1000 | .300 | ---- | 5 | 32 - | 3 | 46.20B | 3.60A |
| 1700 | 16.90 | 17.70B | 15.50A | ---- | 15.40- | 930 | .279 | ---- | 2 | 335 | UNCH | 42.90B | 3.30A |
| 1705 | ---- | ---- | 13.90A | ---- | 13.70- | 870 | .258 | ---- | ---- | 19 | UNCH | 39.70B | 3.00A |
| 1710 | ---- | ---- | 12.40A | ---- | 12.20- | 800 | .238 | ---- | ---- | 80 | UNCH | 36.60B | 2.70A |
| 1715 | ---- | ---- | 15.30A | ---- | 15.00- | 800 | .253 | ---- | ---- | 2 | UNCH | 38.10B | 15.30A |
| 1715 | ---- | ---- | 11.10A | ---- | 10.90- | 730 | .219 | ---- | ---- | 20 | UNCH | 33.60B | 2.40A |
| 1720 | ---- | ---- | 9.80A | ---- | 9.60- | 670 | .200 | ---- | ---- | 60 | UNCH | 30.80B | 2.15A |
| 1725 | ---- | ---- | 8.70A | ---- | 8.50- | 600 | .183 | ---- | ---- | 37 | UNCH | 28.10B | 1.95A |
| 1730 | 11.90 | 11.90 | 7.70A | ---- | 7.50- | 540 | .166 | ---- | 2 | 134 - | 2 | 25.50B | 1.75A |
| 1735 | ---- | ---- | 6.80A | ---- | 6.60- | 480 | .151 | ---- | ---- | 2 | UNCH | 23.10B | 1.60A |
| 1740 | 8.50 | 8.50 | 5.90A | ---- | 5.70- | 440 | .135 | ---- | 22 | 53 + | 15 | 20.80B | 1.45A |
| 1745 | 6.80 | 8.50B | 5.20A | ---- | 5.00- | 380 | .121 | ---- | 1 | 5 | UNCH | 18.70B | 1.30A |
| 1750 | ---- | ---- | 4.50A | ---- | 4.35- | 335 | .109 | ---- | ---- | 78 | UNCH | 16.70B | 1.20A |
| 1755 | 4.50 | 4.60B | 3.95A | ---- | 3.80- | 290 | .097 | ---- | 13 | 13 + | 11 | 14.90B | 1.10A |
| 1760 | ---- | ---- | 3.40A | ---- | 3.30- | 250 | .087 | ---- | ---- | 14 | UNCH | 13.20B | 1.00A |
| 1765 | 4.45 | 4.65B | 3.00A | ---- | 2.85- | 215 | .077 | ---- | 11 | 78 + | 11 | 11.70B | 2.35A |
| 1770 | ---- | ---- | *4.50A | ---- | 4.10- | 260 | .095 | ---- | ---- | 1 | UNCH | 13.60B | 4.50A |
| 1770 | 3.90 | 3.90 | 2.60A | ---- | 2.50- | 185 | .068 | ---- | 29 | 121 + | 29 | 10.30B | .85A |
| 1775 | ---- | ---- | 2.25A | ---- | 2.15- | 155 | .060 | ---- | ---- | 32 | UNCH | 9.00B | .80A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1780 | ---- | ---- | *3.55A | ---- | 3.15- | 195 | .077 | ---- | ---- | 1 | UNCH | 10.80B | 3.55A |
| 1780 | ---- | ---- | 2.00A | ---- | 1.90- | 130 | .054 | ---- | ---- | 14 | UNCH | 7.90B | .75A |
| 1785 | ---- | ---- | 1.75A | ---- | 1.65- | 110 | .048 | ---- | ---- | 20 | UNCH | 6.90B | 1.55A |
| 1790 | ---- | ---- | *2.80A | ---- | 2.45- | 150 | .062 | ---- | ---- | 1 | UNCH | 8.50B | 2.80A |
| 1790 | ---- | ---- | 1.55A | ---- | 1.45- | 90 | .042 | ---- | ---- | 35 | UNCH | 6.00B | .65A |
| 1795 | ---- | ---- | 1.35A | ---- | 1.25- | 75 | .037 | ---- | ---- | 123 | UNCH | 5.20B | 1.25A |
| 1800 | ---- | ---- | 1.20A | ---- | 1.10- | 65 | .033 | ---- | ---- | 136 | UNCH | 4.55B | .70A |
| 1805 | ---- | ---- | *1.05A | ---- | .95- | 55 | .029 | ---- | ---- | 37 | UNCH | 3.90B | 1.05A |
| 1810 | ---- | ---- | .95A | ---- | .85- | 45 | .026 | ---- | ---- | 100 | UNCH | 3.40B | .65A |
| 1815 | ---- | ---- | *.85A | ---- | .75- | 40 | .023 | ---- | ---- | 138 | UNCH | 3.00B | .85A |
| 1820 | ---- | ---- | .75A | ---- | .65- | 35 | .020 | ---- | ---- | 28 | UNCH | 2.60B | .55A |
| 1825 | ---- | ---- | .70A | ---- | .60- | 25 | .019 | ---- | ---- | 71 | UNCH | 2.25B | .55A |
| 1830 | ---- | ---- | .65A | ---- | .55- | 20 | .017 | ---- | ---- | 120 | UNCH | 1.95B | .50A |
| 1835 | ---- | ---- | *.60A | ---- | .50- | 20 | .015 | ---- | ---- | 106 | UNCH | 1.70B | .60A |
| 1840 | ---- | ---- | .55A | ---- | .45- | 15 | .014 | ---- | ---- | 41 | UNCH | 1.50B | .45A |
| 1845 | ---- | ---- | *.50A | ---- | .40- | 15 | .012 | ---- | ---- | 5 | UNCH | 1.35B | .50A |
| 1850 | ---- | ---- | .45A | ---- | .35- | 15 | .011 | ---- | ---- | 100 | UNCH | 1.20B | .45A |
| 1855 | ---- | ---- | ---- | ---- | .35- | 10 | .011 | ---- | ---- | 12 | UNCH | 1.10B | .55A |
| 1860 | ---- | ---- | ---- | ---- | .30- | 10 | .009 | ---- | ---- | 32 | UNCH | .95B | .40A |
| 1865 | ---- | ---- | ---- | ---- | .30- | 5 | .009 | ---- | ---- | 25 | UNCH | .90B | .50A |
| 1870 | ---- | ---- | ---- | ---- | .25- | 10 | .008 | ---- | ---- | 3 | UNCH | .85B | .35A |
| 1875 | ---- | ---- | ---- | ---- | .25- | 5 | .007 | ---- | ---- | 29 | UNCH | .80B | .35A |
| 1890 | ---- | ---- | ---- | ---- | .20- | 5 | .006 | ---- | ---- | 37 | UNCH | .70B | .25A |
| TOTAL | | | | | | | | | 107 | 2697 + | 74 | | |
| OCT18 | RTM EOM | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1540 | ---- | ---- | 140.00A | ---- | 140.20- | 2300 | .743 | ---- | ---- | 21 | UNCH | 191.30B | 116.40A |
| 1650 | ---- | ---- | 62.50A | ---- | 62.30- | 1630 | .517 | ---- | ---- | 3 | UNCH | 100.20B | 46.10A |
| 1660 | ---- | ---- | 56.80A | ---- | 56.50- | 1550 | .491 | ---- | ---- | 10 | UNCH | 92.80B | 41.40A |
| 1670 | ---- | ---- | 51.30A | ---- | 51.00- | 1460 | .464 | ---- | ---- | 6 | UNCH | 85.60B | 36.90A |
| 1675 | ---- | ---- | 48.70A | ---- | 48.40- | 1410 | .450 | ---- | ---- | 6 | UNCH | 82.00B | 34.80A |
| 1680 | ---- | ---- | 46.10A | ---- | 45.80- | 1370 | .436 | ---- | ---- | 8 | UNCH | 78.60B | 32.80A |
| 1690 | ---- | ---- | 41.20A | ---- | 40.90- | 1280 | .408 | ---- | ---- | 3 | UNCH | 71.80B | 29.00A |
| 1700 | ---- | ---- | 36.60A | ---- | 36.30- | 1180 | .380 | ---- | ---- | 1 | UNCH | 65.30B | 25.40A |
| 1710 | ---- | ---- | 32.30A | ---- | 32.00- | 1090 | .351 | ---- | ---- | 24 | UNCH | 59.10B | 22.20A |
| 1725 | ---- | ---- | 26.60A | ---- | 26.20- | 950 | .309 | ---- | ---- | 36 | UNCH | 50.20B | 18.20A |
| 1750 | ---- | ---- | 18.50A | ---- | 18.10- | 730 | .240 | ---- | ---- | 1 | UNCH | 37.20B | 12.60A |
| 1800 | ---- | ---- | 8.10A | ---- | 7.60- | 360 | .126 | ---- | ---- | 20 | UNCH | 17.80B | 5.70A |
| 1865 | ---- | ---- | *2.60A | ---- | 2.15- | 95 | .044 | ---- | ---- | 3 | UNCH | 5.50B | 2.60A |
| TOTAL | | | | | | | | | 0 | 142 | | | |
| RTO OPT | | | | | | | | | | | | | |
| SEP18 | RTO OPT | (FUTURES SETT. 6998.25 - 10575.0 ) | | | | | | | | | | | |
| 1375 | ---- | ---- | 278.10A | ---- | 277.20- | 2780 | .920 | ---- | ---- | 5 | UNCH | 340.00B | 146.90A |
| 1380 | ---- | ---- | 273.40A | ---- | 272.40- | 2780 | .917 | ---- | ---- | 10 | UNCH | 335.20B | 143.40A |
| 1390 | ---- | ---- | 264.00A | ---- | 263.00- | 2770 | .912 | ---- | ---- | 29 | UNCH | 325.50B | 136.60A |
| 1400 | ---- | ---- | 254.20A | ---- | 253.60- | 2750 | .906 | ---- | ---- | 20 | UNCH | 315.90B | 130.20A |
| 1410 | ---- | ---- | 244.70A | ---- | 244.30- | 2730 | .899 | ---- | ---- | 44 | UNCH | 306.20B | 123.80A |
| 1420 | ---- | ---- | 235.60A | ---- | 235.00- | 2710 | .892 | ---- | ---- | 15 | UNCH | 296.50B | 117.60A |
| 1430 | ---- | ---- | 226.40A | ---- | 225.80- | 2690 | .885 | ---- | ---- | 2 | UNCH | 286.80B | 111.50A |
| 1440 | ---- | ---- | 217.30A | ---- | 216.60- | 2670 | .877 | ---- | ---- | 6 | UNCH | 277.30B | 105.20A |
| 1470 | ---- | ---- | 190.00A | ---- | 189.50- | 2590 | .849 | ---- | ---- | 5 | UNCH | 248.50B | 88.40A |
| 1480 | ---- | ---- | 181.30A | ---- | 180.60- | 2570 | .839 | ---- | ---- | 2 | UNCH | 239.10B | 83.10A |
| 1510 | ---- | ---- | 154.10A | ---- | 154.40- | 2470 | .803 | ---- | ---- | 10 | UNCH | 211.00B | 68.20A |
| 1520 | ---- | ---- | 145.70A | ---- | 145.90- | 2430 | .789 | ---- | ---- | 11 | UNCH | 201.70B | 63.50A |
| 1525 | ---- | ---- | 141.40A | ---- | 141.70- | 2410 | .781 | ---- | ---- | 11 | UNCH | 197.00B | 61.50A |
| 1530 | ---- | ---- | 137.30A | ---- | 137.50- | 2390 | .774 | ---- | ---- | 38 | UNCH | 192.40B | 59.20A |
| 1540 | ---- | ---- | 129.00A | ---- | 129.20- | 2350 | .758 | ---- | ---- | 21 | UNCH | 183.20B | 54.90A |
| 1560 | ---- | 135.80B | 113.00A | ---- | 113.10- | 2250 | .722 | ---- | ---- | 7 | UNCH | 165.00B | 46.50A |
| 1565 | ---- | 131.50B | 109.00A | ---- | 109.20- | 2220 | .713 | ---- | ---- | 7 | UNCH | 160.50B | 44.10A |
| 1570 | ---- | 127.40B | 105.20A | ---- | 105.30- | 2190 | .703 | ---- | ---- | 7 | UNCH | 156.00B | 41.70A |
| 1575 | ---- | 123.20B | 101.30A | ---- | 101.50- | 2160 | .693 | ---- | ---- | 3 | UNCH | 151.60B | 39.40A |
| 1580 | ---- | 119.10B | 97.50A | ---- | 97.70- | 2130 | .682 | ---- | ---- | 19 | UNCH | 147.20B | 37.20A |
| 1585 | ---- | 115.00B | 93.80A | ---- | 93.90- | 2100 | .671 | ---- | ---- | 18 | UNCH | 142.70B | 35.00A |
| 1590 | ---- | 111.00B | 90.10A | ---- | 90.20- | 2070 | .660 | ---- | ---- | 13 | UNCH | 138.40B | 32.90A |
| 1605 | ---- | ---- | 79.40A | ---- | 79.50- | 1960 | .624 | ---- | ---- | 14 | UNCH | 126.40B | 27.20A |
| 1610 | ---- | ---- | 75.90A | ---- | 76.00- | 1920 | .612 | ---- | ---- | 3 | UNCH | 122.10B | 25.40A |
| 1615 | ---- | ---- | 72.50A | ---- | 72.60- | 1880 | .599 | ---- | ---- | 57 | UNCH | 117.90B | 23.70A |
| 1620 | ---- | ---- | 69.10A | ---- | 69.20- | 1840 | .585 | ---- | ---- | 28 | UNCH | 113.70B | 22.10A |
| 1625 | ---- | ---- | 65.90A | ---- | 65.90- | 1800 | .572 | ---- | ---- | 26 | UNCH | 109.60B | 20.50A |
| 1630 | ---- | ---- | 62.70A | ---- | 62.70- | 1760 | .558 | ---- | ---- | 16 | UNCH | 105.50B | 19.10A |
| 1635 | ---- | ---- | 59.50A | ---- | 59.50- | 1720 | .543 | ---- | ---- | 13 | UNCH | 101.40B | 17.70A |
| 1640 | 58.00 | 58.20B | 56.50A | ---- | 56.40- | 1670 | .529 | ---- | 25 | 53 + | 25 | 97.40B | 16.40A |
| 1645 | ---- | ---- | 53.50A | ---- | 53.40- | 1620 | .514 | ---- | ---- | 5 | UNCH | 93.40B | 15.10A |
| 1650 | ---- | ---- | 50.60A | ---- | 50.50- | 1570 | .499 | ---- | ---- | 89 | UNCH | 89.50B | 14.00A |
| 1655 | ---- | ---- | 47.70A | ---- | 47.60- | 1530 | .483 | ---- | ---- | 1 | UNCH | 85.60B | 12.90A |
| 1660 | ---- | ---- | 45.00A | ---- | 44.90- | 1470 | .468 | ---- | ---- | 37 | UNCH | 81.80B | 11.90A |
| 1665 | ---- | ---- | 42.30A | ---- | 42.20- | 1420 | .452 | ---- | ---- | 21 | UNCH | 78.10B | 10.90A |
| 1670 | 48.70 | 53.10B | 39.70A | ---- | 39.60- | 1370 | .435 | ---- | 3 | 23 + | 3 | 74.40B | 10.00A |
| 1675 | ---- | ---- | 37.20A | ---- | 37.10- | 1310 | .419 | ---- | ---- | 26 | UNCH | 70.80B | 9.20A |
| 1680 | ---- | ---- | 34.80A | ---- | 34.60- | 1270 | .403 | ---- | ---- | 10 | UNCH | 67.30B | 8.50A |
| 1690 | ---- | ---- | 30.30A | ---- | 30.10- | 1160 | .370 | ---- | ---- | 58 | UNCH | 60.40B | 7.10A |
| 1695 | ---- | ---- | 28.20A | ---- | 27.90- | 1110 | .353 | ---- | ---- | 25 | UNCH | 57.10B | 6.50A |
| 1700 | 29.70 | 30.20 | 26.10A | ---- | 25.90- | 1050 | .336 | ---- | 3 | 119 | UNCH | 53.90B | 6.00A |
| 1705 | ---- | ---- | 24.20A | ---- | 23.90- | 1000 | .319 | ---- | ---- | 13 | UNCH | 50.70B | 5.50A |
| 1710 | ---- | ---- | 22.30A | ---- | 22.10- | 940 | .303 | ---- | ---- | 35 | UNCH | 47.70B | 5.00A |
| 1715 | ---- | ---- | 20.60A | ---- | 20.30- | 900 | .287 | ---- | ---- | 20 | UNCH | 44.70B | 4.60A |
| 1720 | ---- | ---- | 18.90A | ---- | 18.70- | 840 | .271 | ---- | ---- | 25 | UNCH | 41.80B | 4.20A |
| 1725 | ---- | ---- | 17.40A | ---- | 17.10- | 790 | .255 | ---- | ---- | 35 | UNCH | 39.10B | 3.80A |
| 1730 | ---- | ---- | 15.90A | ---- | 15.60- | 740 | .239 | ---- | ---- | 11 | UNCH | 36.40B | 3.50A |
| 1735 | ---- | ---- | 14.50A | ---- | 14.30- | 690 | .225 | ---- | ---- | 26 | UNCH | 33.80B | 3.20A |
| 1745 | ---- | ---- | 12.00A | ---- | 11.80- | 590 | .196 | ---- | ---- | 27 | UNCH | 29.00B | 2.70A |
| 1750 | ---- | ---- | 10.90A | ---- | 10.70- | 550 | .182 | ---- | ---- | 85 | UNCH | 29.20B | 2.40A |
| 1760 | ---- | ---- | 8.90A | ---- | 8.70- | 460 | .156 | ---- | ---- | 26 | UNCH | 26.30B | 2.00A |
| 1775 | ---- | ---- | 6.60A | ---- | 6.30- | 350 | .122 | ---- | ---- | 2 | UNCH | 22.40B | 1.55A |
| 1780 | ---- | ---- | 5.90A | ---- | 5.60- | 320 | .111 | ---- | ---- | 52 | UNCH | 21.10B | 1.40A |
| 1790 | ---- | ---- | 4.80A | ---- | 4.50- | 250 | .093 | ---- | ---- | 2 | UNCH | 18.90B | 1.20A |
| 1800 | ---- | ---- | 3.90A | ---- | 3.60- | 200 | .077 | ---- | ---- | 2 | UNCH | 16.90B | 1.05A |
| 1835 | ---- | ---- | *1.90A | ---- | 1.70- | 75 | .040 | ---- | ---- | 16 | UNCH | 4.95B | 1.90A |
| 1840 | ---- | ---- | 1.75A | ---- | 1.55- | 60 | .037 | ---- | ---- | 5 | UNCH | 10.20B | .65A |
| 1850 | ---- | ---- | 1.45A | ---- | 1.30- | 45 | .031 | ---- | ---- | 122 | UNCH | 9.00B | .70A |
| 1855 | ---- | ---- | *1.30A | ---- | 1.20- | 35 | .029 | ---- | ---- | 79 | UNCH | 3.25B | 1.30A |
| 1865 | ---- | ---- | *1.10A | ---- | 1.00- | 25 | .025 | ---- | ---- | 10 | UNCH | 2.60B | 1.10A |
| 1870 | ---- | ---- | 1.05A | ---- | .95- | 20 | .023 | ---- | ---- | 6 | UNCH | 6.80B | .55A |
| 1880 | ---- | ---- | .90A | ---- | .80- | 15 | .020 | ---- | ---- | 27 | UNCH | 5.90B | .55A |
| 1890 | ---- | ---- | ---- | ---- | .70- | 10 | .017 | ---- | ---- | 5 | UNCH | 5.10B | .50A |
| 1900 | ---- | ---- | ---- | ---- | .60- | 10 | .015 | ---- | ---- | 120 | UNCH | 4.40B | .45A |
| 1920 | ---- | ---- | ---- | ---- | .45- | 5 | .011 | ---- | ---- | 6 | UNCH | 1.05 | .35A |
| 1925 | ---- | ---- | ---- | ---- | .45- | 5 | .011 | ---- | ---- | 14 | UNCH | 2.90B | .35A |
| 1930 | ---- | ---- | ---- | ---- | .40- | 5 | .010 | ---- | ---- | 31 | UNCH | .85B | .35A |
| TOTAL | | | | | | | | | 31 | 1729 + | 28 | | |
| DEC18 | RTO OPT | (FUTURES SETT. 7023.25 - 10575.0 ) | | | | | | | | | | | |
| 1450 | ---- | ---- | 226.60A | ---- | 226.00- | 2490 | .817 | ---- | ---- | 2 | UNCH | 280.30B | 126.80A |
| 1460 | ---- | ---- | 218.10A | ---- | 217.50- | 2460 | .807 | ---- | ---- | 3 | UNCH | 271.20B | 120.70A |
| 1475 | ---- | ---- | 204.90A | ---- | 204.90- | 2410 | .792 | ---- | ---- | 33 | UNCH | 257.80B | 111.80A |
| 1500 | ---- | ---- | 184.50A | ---- | 184.40- | 2320 | .765 | ---- | ---- | 28 | UNCH | 235.50B | 97.80A |
| 1510 | ---- | ---- | 176.50A | ---- | 176.30- | 2290 | .753 | ---- | ---- | 36 | UNCH | 226.60B | 92.40A |
| 1520 | ---- | ---- | 168.60A | ---- | 168.40- | 2250 | .740 | ---- | ---- | 28 | UNCH | 217.90B | 87.20A |
| 1525 | ---- | ---- | 164.70A | ---- | 164.50- | 2230 | .734 | ---- | ---- | 32 | UNCH | 213.60B | 84.60A |
| 1530 | ---- | ---- | 160.80A | ---- | 160.60- | 2220 | .727 | ---- | ---- | 42 | UNCH | 209.20B | 82.10A |
| 1540 | ---- | ---- | 153.10A | ---- | 152.90- | 2180 | .713 | ---- | ---- | 2 | UNCH | 200.70B | 77.20A |
| 1550 | ---- | ---- | 145.60A | ---- | 145.40- | 2130 | .699 | ---- | ---- | 1 | UNCH | 192.70B | 72.50A |
| 1560 | ---- | ---- | 138.20A | ---- | 137.90- | 2100 | .684 | ---- | ---- | 15 | UNCH | 184.20B | 67.90A |
| 1570 | ---- | ---- | 130.90A | ---- | 130.60- | 2050 | .669 | ---- | ---- | 14 | UNCH | 175.90B | 62.80A |
| 1575 | ---- | ---- | 127.30A | ---- | 127.00- | 2030 | .661 | ---- | ---- | 3 | UNCH | 171.80B | 60.30A |
| 1580 | ---- | ---- | 123.80A | ---- | 123.50- | 2000 | .653 | ---- | ---- | 1 | UNCH | 167.70B | 57.90A |
| 1600 | ---- | ---- | 110.00A | ---- | 109.60- | 1890 | .619 | ---- | ---- | 17 | UNCH | 151.70B | 48.80A |
| 1610 | ---- | ---- | 103.30A | ---- | 103.00- | 1830 | .601 | ---- | ---- | 36 | UNCH | 143.90B | 44.60A |
| 1620 | ---- | ---- | 96.80A | ---- | 96.50- | 1780 | .582 | ---- | ---- | 41 | UNCH | 136.20B | 40.60A |
| 1625 | ---- | ---- | 93.60A | ---- | 93.30- | 1750 | .572 | ---- | ---- | 15 | UNCH | 132.40B | 38.70A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1630 | ---- | ---- | 90.50A | ---- | 90.20- | 1720 | .563 | ---- | ---- | 52 | UNCH | 128.60B | 36.80A |
| 1640 | ---- | ---- | 84.30A | ---- | 84.00- | 1670 | .543 | ---- | ---- | 33 | UNCH | 121.20B | 33.30A |
| 1645 | ---- | ---- | *81.20A | ---- | 81.00- | 1640 | .533 | ---- | ---- | 3 | UNCH | 117.60B | 81.20A |
| 1650 | ---- | ---- | 78.40A | ---- | 78.10- | 1610 | .522 | ---- | ---- | 20 | UNCH | 114.00B | 30.00A |
| 1655 | ---- | ---- | *75.40A | ---- | 75.20- | 1580 | .512 | ---- | ---- | 7 | UNCH | 110.30B | 75.40A |
| 1660 | ---- | ---- | 72.50A | ---- | 72.30- | 1550 | .501 | ---- | ---- | 23 | UNCH | 106.80B | 27.00A |
| 1670 | ---- | ---- | 67.10A | ---- | 66.80- | 1480 | .480 | ---- | ---- | 25 | UNCH | 100.10B | 24.10A |
| 1675 | ---- | ---- | 64.30A | ---- | 64.10- | 1440 | .469 | ---- | ---- | 2 | UNCH | 96.60B | 22.80A |
| 1680 | ---- | ---- | 61.80A | ---- | 61.50- | 1400 | .458 | ---- | ---- | 8 | UNCH | 93.30B | 21.50A |
| 1685 | ---- | ---- | *59.30A | ---- | 58.90- | 1360 | .447 | ---- | ---- | 5 | UNCH | 92.00 | 59.30A |
| 1690 | ---- | ---- | 56.70A | ---- | 56.40- | 1320 | .436 | ---- | ---- | 15 | UNCH | 87.00 | 19.20A |
| 1695 | ---- | ---- | *54.20A | ---- | 54.00- | 1270 | .425 | ---- | ---- | 5 | UNCH | 83.70B | 54.20A |
| 1700 | ---- | ---- | 51.90A | ---- | 51.60- | 1230 | .414 | ---- | ---- | 6 | UNCH | 80.90 | 17.00A |
| 1705 | ---- | ---- | *49.60A | ---- | 49.30- | 1190 | .403 | ---- | ---- | 5 | UNCH | 77.50B | 49.60A |
| 1710 | ---- | ---- | 47.20A | ---- | 47.00- | 1150 | .391 | ---- | ---- | 2 | UNCH | 74.80 | 15.00A |
| 1715 | ---- | ---- | *45.10A | ---- | 44.80- | 1120 | .380 | ---- | ---- | 7 | UNCH | 71.90 | 45.10A |
| 1730 | ---- | ---- | 38.80A | ---- | 38.50- | 1020 | .346 | ---- | ---- | 20 | UNCH | 62.90B | 11.70A |
| 1740 | ---- | ---- | 35.00A | ---- | 34.60- | 960 | .323 | ---- | ---- | 94 | UNCH | 57.60B | 10.30A |
| 1750 | 33.50 | 34.00B | 31.30A | ---- | 31.00- | 890 | .300 | ---- | 2 | 88 | UNCH | 52.40B | 9.00A |
| 1760 | ---- | ---- | 28.00A | ---- | 27.70- | 810 | .279 | ---- | ---- | 19 | UNCH | 47.60B | 7.90A |
| 1765 | ---- | ---- | *26.40A | ---- | 26.10- | 780 | .268 | ---- | ---- | 17 | UNCH | 45.30B | 26.40A |
| 1770 | ---- | ---- | 24.90A | ---- | 24.60- | 750 | .257 | ---- | ---- | 8 | UNCH | 43.00B | 6.90A |
| 1775 | ---- | ---- | 23.50A | ---- | 23.10- | 720 | .246 | ---- | ---- | 35 | UNCH | 40.80B | 6.40A |
| 1780 | ---- | ---- | 22.10A | ---- | 21.70- | 680 | .236 | ---- | ---- | 12 | UNCH | 38.70B | 6.00A |
| 1785 | ---- | ---- | *20.80A | ---- | 20.40- | 650 | .226 | ---- | ---- | 13 | UNCH | 36.70B | 20.80A |
| 1790 | ---- | ---- | 19.60A | ---- | 19.20- | 610 | .216 | ---- | ---- | 26 | UNCH | 34.70B | 5.30A |
| 1795 | ---- | ---- | *18.40A | ---- | 18.00- | 580 | .206 | ---- | ---- | 12 | UNCH | 32.80B | 18.40A |
| 1800 | ---- | ---- | 17.30A | ---- | 16.80- | 550 | .196 | ---- | ---- | 96 | UNCH | 31.00B | 4.60A |
| 1850 | ---- | ---- | 8.80A | ---- | 8.40- | 290 | .116 | ---- | ---- | 14 | UNCH | 16.40B | 2.35A |
| 1860 | ---- | ---- | 7.60A | ---- | 7.20- | 250 | .102 | ---- | ---- | 14 | UNCH | 14.20B | 2.05A |
| 1870 | ---- | ---- | 6.60A | ---- | 6.20- | 220 | .091 | ---- | ---- | 14 | UNCH | 12.30B | 1.80A |
| 1875 | ---- | ---- | 6.10A | ---- | 5.80- | 200 | .086 | ---- | ---- | 50 | UNCH | 11.50B | 1.70A |
| 1890 | ---- | ---- | 4.85A | ---- | 4.55- | 165 | .070 | ---- | ---- | 14 | UNCH | 9.20B | 1.45A |
| 1900 | ---- | ---- | 4.20A | ---- | 3.90- | 140 | .062 | ---- | ---- | 25 | UNCH | 7.90B | 1.30A |
| 1950 | ---- | ---- | 2.25A | ---- | 1.70- | 65 | .030 | ---- | ---- | 170 | UNCH | 3.60B | 1.00A |
| 1975 | ---- | ---- | ---- | ---- | 1.10- | 50 | .021 | ---- | ---- | 26 | UNCH | 2.40B | .80A |
| 2000 | ---- | ---- | ---- | ---- | .70- | 45 | .014 | ---- | ---- | 10 | UNCH | 1.55B | .85 |
| 2025 | ---- | ---- | ---- | ---- | .45- | 35 | .009 | ---- | ---- | 9 | UNCH | 1.50 | 1.50 |
| TOTAL | | | | | | | | | 2 | 1353 | | | |
| MAR19 | RTO OPT | (FUTURES SETT. | 7051.75 - | 10575.0 ) | | | | | | | | | |
| 1800 | ---- | ---- | *31.90A | ---- | 32.30- | 700 | .272 | ---- | ---- | 1 | UNCH | 49.00B | 31.90A |
| 1850 | ---- | ---- | *19.50A | ---- | 19.60- | 460 | .191 | ---- | ---- | 2 | UNCH | 30.90B | 19.50A |
| 1900 | ---- | ---- | *11.40A | ---- | 11.20- | 270 | .125 | ---- | ---- | 4 | UNCH | 18.10B | 11.40A |
| TOTAL | | | | | | | | | 0 | 7 | | | |

ADDITIONAL NASDAQ CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON OOF | | | | | | | | | | | | | |
| JUL18 | ON OOF | | | | | | | | | | | | |
| 6450 | ---- | 693.75B | 580.25A | ---- | 577.00- | 94.75 | .886 | ---- | ---- | 2 | UNCH | 874.25B | 278.00A |
| 6500 | ---- | 646.00B | 535.50A | ---- | 531.75- | 92.75 | .869 | ---- | ---- | 1 | UNCH | 825.50B | 249.00A |
| 6600 | ---- | 561.00B | 448.50A | ---- | 443.25- | 88.50 | .827 | ---- | ---- | 9 | UNCH | 758.25B | 195.50A |
| 6650 | ---- | 514.50B | 405.25A | ---- | 400.50- | 86.00 | .801 | ---- | ---- | 1 | UNCH | 710.00B | 172.25A |
| 6700 | ---- | 468.75B | 364.50A | ---- | 358.75- | 83.25 | .772 | ---- | ---- | 2 | UNCH | 662.00B | 149.75A |
| 6750 | ---- | 423.75B | 323.75A | ---- | 318.25- | 80.00 | .739 | ---- | ---- | 8 | UNCH | 614.50B | 129.25A |
| 6760 | ---- | 414.75B | 316.00A | ---- | 310.25- | 79.25 | .732 | ---- | ---- | 9 | UNCH | 605.00B | 125.25A |
| 6770 | ---- | 406.00B | 308.00A | ---- | 302.25- | 78.75 | .724 | ---- | ---- | 7 | UNCH | 595.50B | 121.50A |
| 6780 | ---- | 397.25B | 300.50A | ---- | 294.50- | 78.00 | .717 | ---- | ---- | 12 | UNCH | 586.25B | 117.75A |
| 6790 | ---- | 388.25B | 292.75A | ---- | 286.75- | 77.25 | .709 | ---- | ---- | 20 | UNCH | 576.75B | 114.00A |
| 6800 | ---- | 379.75B | 285.50A | ---- | 279.00- | 76.50 | .701 | ---- | ---- | 14 | UNCH | 567.25B | 110.25A |
| 6810 | ---- | 371.00B | 278.00A | ---- | 271.25- | 76.00 | .694 | ---- | ---- | 3 | UNCH | 558.00B | 106.75A |
| 6820 | ---- | 362.50B | 270.50A | ---- | 263.75- | 75.00 | .685 | ---- | ---- | 20 | UNCH | 548.50B | 103.25A |
| 6830 | ---- | 353.75B | 263.00A | ---- | 256.25- | 74.25 | .677 | ---- | ---- | 2 | UNCH | 539.25B | 99.75A |
| 6850 | ---- | 343.25B | 240.50A | ---- | 241.50- | 72.50 | .660 | ---- | ---- | 99 | UNCH | 520.75B | 93.75A |
| 6870 | ---- | 326.25B | 226.00A | ---- | 227.00- | 70.75 | .642 | ---- | 9 | 18 + | 9 | 502.25B | 87.75A |
| 6880 | ---- | 317.75B | 218.75A | ---- | 219.75- | 70.00 | .633 | ---- | ---- | 1 | UNCH | 493.00B | 84.75A |
| 6900 | ---- | 301.25B | 204.75A | ---- | 205.75- | 68.00 | .614 | ---- | 73 | 73 - | 59 | 474.50B | 79.00A |
| 6920 | ---- | 285.25B | 190.25A | ---- | 192.00- | 66.00 | .594 | ---- | ---- | 16 | UNCH | 456.25B | 73.50A |
| 6940 | ---- | 269.25B | 177.00A | ---- | 178.75- | 64.00 | .574 | ---- | ---- | 7 | UNCH | 438.25B | 68.25A |
| 6950 | ---- | 261.00B | 170.50A | ---- | 172.25- | 62.75 | .563 | ---- | 18 | 21 + | 12 | 429.25B | 65.75A |
| 6970 | 238.75 | 245.25B | 157.75A | ---- | 159.25- | 60.75 | .541 | ---- | 5 | 4 - | 5 | 411.25B | 61.00A |
| 6980 | ---- | 237.50B | 151.75A | ---- | 153.25- | 59.25 | .530 | ---- | ---- | 8 | UNCH | 402.25B | 58.75A |
| 6990 | ---- | 229.75B | 145.50A | ---- | 147.00- | 58.25 | .519 | ---- | ---- | 4 | UNCH | 393.50B | 56.50A |
| 7000 | 203.00 | 222.25B | 139.50A | ---- | 141.00- | 57.00 | .507 | ---- | 67 | 226 + | 55 | 384.50B | 52.50A |
| 7010 | 142.00 | 214.75B | 133.75A | ---- | 135.00- | 55.75 | .496 | ---- | 1 | 6 + | 1 | 375.75B | 50.50A |
| 7020 | ---- | 207.50B | 128.00A | ---- | 129.25- | 54.50 | .484 | ---- | ---- | 26 | UNCH | 367.00B | 48.75A |
| 7030 | 168.00 | 200.25B | 122.25A | ---- | 123.50- | 53.25 | .472 | ---- | 5 | 15 + | 3 | 358.25B | 46.75A |
| 7040 | ---- | 192.75B | 116.75A | ---- | 118.00- | 51.75 | .460 | ---- | 1 | 6 + | 1 | 349.75B | 44.75A |
| 7050 | 120.25 | 185.25B | 111.25A | ---- | 112.50- | 50.50 | .448 | ---- | 96 | 142 + | 69 | 341.00B | 43.00A |
| 7060 | 133.50 | 178.50B | 106.00A | ---- | 107.25- | 49.00 | .435 | ---- | 2 | 13 + | 1 | 332.50B | 41.25A |
| 7070 | ---- | 172.00B | 100.75A | ---- | 102.00- | 47.75 | .423 | ---- | 23 | 28 + | 14 | 324.00B | 39.50A |
| 7080 | ---- | 166.75B | 95.75A | ---- | 96.75- | 46.50 | .410 | ---- | ---- | 30 | UNCH | 315.50B | 38.00A |
| 7090 | 148.00 | 159.75B | 91.00A | ---- | 92.00- | 45.00 | .398 | ---- | 25 | 18 + | 13 | 307.00B | 36.50A |
| 7100 | 123.75 | 153.00B | 86.25A | ---- | 87.00- | 43.75 | .385 | ---- | 222 | 333 - | 33 | 298.50B | 35.00A |
| 7110 | 124.00 | 146.50B | 81.50A | ---- | 82.50- | 42.00 | .372 | ---- | 5 | 8 + | 4 | 290.25B | 33.50A |
| 7120 | ---- | 139.75B | 77.00A | ---- | 77.75- | 40.75 | .359 | ---- | 10 | 20 + | 4 | 282.00B | 32.25A |
| 7130 | ---- | 133.50B | 72.75A | ---- | 73.50- | 39.25 | .346 | ---- | 4 | 91 | UNCH | 273.75B | 30.75A |
| 7140 | ---- | 127.00B | 68.50A | ---- | 69.25- | 37.75 | .333 | ---- | ---- | 22 | UNCH | 265.75B | 29.25A |
| 7150 | 111.00 | 121.00B | 64.50A | ---- | 65.00- | 36.50 | .320 | ---- | 3 | 86 - | 2 | 257.50B | 28.00A |
| 7160 | ---- | 114.75B | 60.75A | ---- | 61.00- | 35.25 | .307 | ---- | 7 | 14 + | 7 | 249.50B | 26.50A |
| 7170 | ---- | 109.00B | 57.00A | ---- | 57.25- | 33.75 | .294 | ---- | ---- | 66 | UNCH | 241.50B | 25.25A |
| 7180 | ---- | 103.00B | 53.50A | ---- | 53.75- | 32.00 | .282 | ---- | 7 | 16 + | 7 | 233.75B | 24.00A |
| 7190 | ---- | 97.50B | 50.00A | ---- | 50.25- | 30.75 | .269 | ---- | ---- | 8 | UNCH | 226.00B | 22.75A |
| 7200 | 85.00 | 92.00B | 46.75A | ---- | 46.75- | 29.50 | .256 | ---- | 246 | 197 - | 156 | 218.25B | 21.75A |
| 7210 | ---- | 86.50B | 43.75A | ---- | 43.75- | 27.75 | .245 | ---- | ---- | 30 | UNCH | 210.50B | 20.50A |
| 7220 | ---- | 81.50B | 40.75A | ---- | 40.75- | 26.25 | .233 | ---- | ---- | 28 | UNCH | 203.00B | 19.50A |
| 7230 | 42.25 | 76.25B | 38.00A | ---- | 37.75- | 25.00 | .220 | ---- | 1 | 25 | UNCH | 195.50B | 18.75A |
| 7240 | ---- | 71.50B | 35.50A | ---- | 35.00- | 23.75 | .209 | ---- | ---- | 90 | UNCH | 188.25B | 17.75A |
| 7250 | ---- | 66.75B | 33.00A | ---- | 32.50- | 22.25 | .198 | ---- | 28 | 246 + | 28 | 180.75B | 17.00A |
| 7260 | ---- | 62.25B | 30.50A | ---- | 30.00- | 21.00 | .186 | ---- | ---- | 86 | UNCH | 173.75B | 16.25A |
| 7270 | 33.75 | 58.00B | 28.25A | ---- | 27.75- | 19.75 | .176 | ---- | 1 | 15 | UNCH | 166.50B | 15.25A |
| 7280 | ---- | 53.75B | 26.25A | ---- | 25.75- | 18.25 | .166 | ---- | ---- | 77 - | 1 | 159.75B | 14.75A |
| 7290 | ---- | 49.75B | 24.25A | ---- | 23.75- | 17.00 | .156 | ---- | ---- | 9 | UNCH | 152.75B | 14.00A |
| 7300 | 27.50 | 46.00B | 22.50A | ---- | 21.75- | 16.00 | .146 | ---- | 105 | 516 - | 10 | 146.25B | 13.25A |
| 7310 | ---- | 42.50B | 20.75A | ---- | 20.00- | 14.75 | .136 | ---- | ---- | 19 | UNCH | 139.50B | 12.75A |
| 7320 | ---- | 39.00B | 19.25A | ---- | 18.50- | 13.75 | .128 | ---- | ---- | 14 | UNCH | 133.00B | 12.00A |
| 7330 | ---- | 35.75B | 17.75A | ---- | 17.00- | 12.50 | .120 | ---- | 4 | 212 | UNCH | 126.75B | 11.50A |
| 7340 | ---- | 32.75B | 16.25A | ---- | 15.50- | 11.50 | .111 | ---- | ---- | 7 | UNCH | 120.50B | 11.00A |
| 7350 | 25.00 | 30.00 | 15.00A | ---- | 14.25- | 10.50 | .104 | ---- | 8 | 271 | UNCH | 114.50B | 10.50A |
| 7360 | ---- | 27.25B | 13.75A | ---- | 13.00- | 9.75 | .096 | ---- | 1 | 12 + | 1 | 109.50B | 10.00A |
| 7370 | 15.75 | 24.75B | 12.75A | ---- | 11.75- | 9.00 | .089 | ---- | 1 | 40 - | 1 | 105.25B | 9.50A |
| 7380 | 20.25 | 22.25B | 11.75A | ---- | 10.75- | 8.00 | .082 | ---- | 2 | 10 + | 2 | 100.50B | 9.00A |
| 7390 | ---- | 20.25B | 10.75A | ---- | 9.75- | 7.50 | .076 | ---- | ---- | 142 | UNCH | 94.75B | 8.75A |
| 7400 | 16.25 | 18.25B | 9.25 | ---- | 8.75- | 6.75 | .070 | ---- | 20 | 275 + | 6 | 89.25B | 8.25A |
| 7410 | ---- | 16.25B | 9.00A | ---- | 8.00- | 6.00 | .064 | ---- | ---- | 10 | UNCH | 84.25B | 8.00A |
| 7420 | ---- | 14.50B | 8.25A | ---- | 7.25- | 5.50 | .059 | ---- | ---- | 100 | UNCH | 78.50B | 8.00A |
| 7430 | ---- | 13.00B | *7.50A | ---- | 6.50- | 5.00 | .054 | ---- | ---- | 184 | UNCH | 74.25B | 7.50A |
| 7440 | ---- | 11.75B | *7.00A | ---- | 6.00- | 4.25 | .050 | ---- | ---- | 1 | UNCH | 67.00B | 7.00A |
| 7450 | ---- | 10.50B | *6.50A | ---- | 5.25- | 4.00 | .045 | ---- | 1 | 30 | UNCH | 63.25B | 6.50A |
| 7460 | ---- | 9.25B | *6.00A | ---- | 4.75- | 3.50 | .041 | ---- | ---- | 10 | UNCH | 59.50B | 6.00A |
| 7470 | ---- | 8.25B | *5.50A | ---- | 4.25- | 3.25 | .037 | ---- | ---- | 101 | UNCH | 55.75B | 5.50A |
| 7480 | ---- | 7.25B | *5.00A | ---- | 3.80- | 2.95 | .034 | ---- | ---- | 217 | UNCH | 52.50B | 5.00A |
| 7490 | ---- | 6.25B | *4.50A | ---- | 3.40- | 2.60 | .031 | ---- | ---- | 2 | UNCH | 49.00B | 4.50A |
| 7500 | 4.75 | 5.50B | *4.05A | ---- | 3.05- | 2.20 | .028 | ---- | 2 | 317 | UNCH | 46.00B | 4.05A |
| 7510 | ---- | 4.90B | *3.70A | ---- | 2.70- | 2.00 | .025 | ---- | ---- | 35 | UNCH | 43.00B | 3.70A |
| 7520 | ---- | 4.25B | *3.35A | ---- | 2.40- | 1.75 | .022 | ---- | ---- | 200 | UNCH | 40.00B | 3.35A |
| 7530 | ---- | ---- | *3.05A | ---- | 2.10- | 1.60 | .020 | ---- | ---- | 154 | UNCH | 37.50B | 3.05A |
| 7540 | ---- | ---- | *2.80A | ---- | 1.85- | 1.45 | .018 | ---- | ---- | 64 | UNCH | 34.75B | 2.80A |
| 7550 | ---- | ---- | *2.55A | ---- | 1.65- | 1.25 | .016 | ---- | ---- | 48 | UNCH | 32.50B | 2.55A |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON OOF | | | | | | | | | | | | | |
| 7560 | ---- | ---- | *2.35A | ---- | 1.45- | 1.10 | .014 | ---- | ---- | 3 | UNCH | 30.25B | 2.35A |
| 7580 | ---- | ---- | ---- | ---- | 1.10- | 0.90 | .011 | ---- | ---- | 2 | UNCH | 26.00B | 1.95A |
| 7600 | ---- | ---- | ---- | ---- | .80- | 0.75 | .008 | ---- | ---- | 139 | UNCH | 22.25B | 1.45 |
| 7620 | ---- | ---- | ---- | ---- | .60- | 0.60 | .006 | ---- | ---- | 105 | UNCH | 19.25B | 1.70A |
| 7640 | ---- | ---- | ---- | ---- | .45- | 0.45 | .005 | ---- | ---- | 44 | UNCH | 16.50B | 1.45A |
| 7650 | ---- | ---- | ---- | ---- | .40- | 0.40 | .004 | ---- | ---- | 258 | UNCH | 15.25B | 1.35A |
| 7680 | ---- | ---- | ---- | ---- | .25- | 0.30 | .002 | ---- | ---- | 3 | UNCH | 12.00B | 1.10A |
| 7700 | ---- | ---- | ---- | ---- | .15- | 0.25 | .001 | ---- | ---- | 327 | UNCH | 10.25 | 1.00A |
| 7750 | ---- | ---- | ---- | ---- | .05- | 0.15 | .000 | ---- | ---- | 9 | UNCH | 7.00B | .80A |
| 7830 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 3 | UNCH | 4.50 | .65A |
| TOTAL | | | | | | | | | 1003 | 6222 - | 30 | | |
| AUG18 | ON OOF | | | | | | | | | | | | |
| 6000 | ---- | 1145.25B | 1036.00A | ---- | 1025.25- | 97.75 | .922 | ---- | ---- | 13 | UNCH | 1324.25B | 928.25A |
| 6750 | ---- | 476.75B | 377.50A | ---- | 377.00- | 72.75 | .681 | ---- | ---- | 3 | UNCH | 641.00B | 294.00A |
| 6760 | ---- | 468.25B | 369.75A | ---- | 369.75- | 72.00 | .675 | ---- | ---- | 1 | UNCH | 632.00B | 287.25A |
| 6800 | ---- | 435.75B | 340.75A | ---- | 340.25- | 69.75 | .652 | ---- | ---- | 7 | UNCH | 596.50B | 261.25A |
| 6880 | ---- | 372.75B | 283.00A | ---- | 284.50- | 64.25 | .600 | ---- | ---- | 1 | UNCH | 526.50B | 211.75A |
| 6900 | ---- | 357.50B | 270.00A | ---- | 271.00- | 62.75 | .587 | ---- | ---- | 1 | UNCH | 509.25B | 200.25A |
| 6980 | ---- | 298.50B | 219.50A | ---- | 220.25- | 56.50 | .528 | ---- | ---- | 2 | UNCH | 441.75B | 157.50A |
| 7000 | ---- | 284.00B | 207.50A | ---- | 208.25- | 54.75 | .513 | ---- | 10 | 29 + | 10 | 425.25B | 147.50A |
| 7010 | ---- | 277.00B | 201.75A | ---- | 202.25- | 54.00 | .505 | ---- | ---- | 1 | UNCH | 417.00B | 142.75A |
| 7050 | 243.25 | 253.00B | 178.75A | ---- | 179.50 | NEW | .473 | ---- | 9 | 9 + | 9 | 384.75B | 124.50A |
| 7070 | ---- | 239.50B | 167.75A | ---- | 168.75- | 48.50 | .457 | ---- | ---- | 4 | UNCH | 368.75B | 115.75A |
| 7090 | ---- | 226.50B | 157.25A | ---- | 158.25- | 46.50 | .440 | ---- | ---- | 35 | UNCH | 353.00B | 107.50A |
| 7100 | ---- | 220.00B | 152.00A | ---- | 153.00- | 45.75 | .432 | ---- | ---- | 4 | UNCH | 345.25B | 103.75A |
| 7110 | 148.75 | 213.50B | 147.25A | ---- | 148.00- | 44.75 | .424 | ---- | 1 | 13 + | 1 | 337.50B | 99.75A |
| 7120 | ---- | 207.25B | 142.25A | ---- | 143.00- | 43.75 | .415 | ---- | ---- | 10 | UNCH | 329.75B | 96.00A |
| 7130 | ---- | 201.00B | 137.25A | ---- | 138.25- | 42.75 | .407 | ---- | ---- | 4 | UNCH | 322.00B | 92.25A |
| 7140 | ---- | 195.00B | 132.50A | ---- | 133.50- | 41.75 | .398 | ---- | ---- | 12 | UNCH | 314.50B | 88.75A |
| 7150 | ---- | 188.75B | 127.75A | ---- | 128.75- | 40.75 | .390 | ---- | ---- | 22 | UNCH | 307.00B | 85.25A |
| 7160 | ---- | 182.75B | 123.25A | ---- | 124.25- | 39.75 | .381 | ---- | ---- | 12 | UNCH | 299.50B | 81.75A |
| 7170 | ---- | 177.00B | 118.75A | ---- | 119.75- | 38.75 | .373 | ---- | ---- | 1 | UNCH | 292.00B | 78.75A |
| 7180 | ---- | 171.25B | 114.25A | ---- | 115.25- | 37.75 | .364 | ---- | ---- | 21 | UNCH | 284.75B | 75.50A |
| 7190 | ---- | 165.50B | 110.25A | ---- | 111.00- | 36.75 | .356 | ---- | ---- | 13 | UNCH | 277.50B | 72.50A |
| 7200 | 153.50 | 159.75B | 106.00A | ---- | 106.75- | 35.75 | .347 | ---- | 12 | 26 | UNCH | 270.25B | 69.50A |
| 7210 | ---- | 154.25B | 101.75A | ---- | 102.50- | 34.75 | .338 | ---- | ---- | 18 | UNCH | 263.00B | 66.75A |
| 7220 | ---- | 148.75B | 98.00A | ---- | 98.50- | 33.75 | .330 | ---- | ---- | 7 | UNCH | 256.00B | 63.75A |
| 7230 | ---- | 143.50B | 94.00A | ---- | 94.50- | 33.00 | .321 | ---- | ---- | 1 | UNCH | 249.00B | 61.25A |
| 7240 | ---- | 138.25B | 90.25A | ---- | 90.75- | 31.75 | .313 | ---- | ---- | 6 | UNCH | 242.00B | 58.50A |
| 7250 | ---- | 133.00B | 86.50A | ---- | 87.00- | 30.75 | .304 | ---- | ---- | 47 | UNCH | 235.00B | 56.00A |
| 7260 | ---- | 128.00B | 83.00A | ---- | 83.25- | 30.00 | .295 | ---- | ---- | 7 | UNCH | 228.25B | 53.50A |
| 7270 | ---- | 123.00B | 79.50A | ---- | 79.75- | 29.00 | .287 | ---- | ---- | 4 | UNCH | 221.50B | 51.00A |
| 7280 | ---- | 118.25B | 76.00A | ---- | 76.25- | 28.00 | .279 | ---- | ---- | 1 | UNCH | 214.75B | 48.75A |
| 7300 | 102.50 | 108.75B | 69.75A | ---- | 69.50- | 26.25 | .262 | ---- | 3 | 40 | UNCH | 201.75B | 44.50A |
| 7310 | ---- | 104.25B | 66.50A | ---- | 66.25- | 25.50 | .253 | ---- | ---- | 7 | UNCH | 195.50B | 42.25A |
| 7320 | ---- | 100.00B | 63.75A | ---- | 63.25- | 24.50 | .245 | ---- | ---- | 4 | UNCH | 189.00B | 40.50A |
| 7330 | 60.00 | 95.50B | 60.00 | ---- | 60.25- | 23.50 | .237 | ---- | 1 | 31 | UNCH | 183.00B | 38.50A |
| 7340 | ---- | 91.50B | 58.00A | ---- | 57.50- | 22.50 | .229 | ---- | ---- | 1 | UNCH | 176.75B | 36.75A |
| 7350 | ---- | 87.25B | 55.25A | ---- | 54.50- | 21.75 | .221 | ---- | 3 | 24 - | 1 | 170.75B | 35.00A |
| 7370 | ---- | 79.50B | 49.25A | ---- | 49.25- | 20.00 | .206 | ---- | ---- | 1 | UNCH | 163.50B | 31.75A |
| 7380 | ---- | 75.75B | 47.00A | ---- | 46.75- | 19.25 | .198 | ---- | ---- | 4 | UNCH | 157.75B | 30.25A |
| 7390 | ---- | 72.00B | 44.75A | ---- | 44.25- | 18.50 | .190 | ---- | ---- | 5 | UNCH | 152.25B | 28.75A |
| 7400 | 44.50 | 68.50B | 42.50A | ---- | 42.00- | 17.75 | .183 | ---- | 1 | 221 + | 1 | 146.50B | 27.25A |
| 7410 | ---- | 65.00B | 40.50A | ---- | 39.75- | 17.00 | .176 | ---- | 2 | 9 - | 2 | 139.50B | 25.75A |
| 7420 | ---- | 61.75B | 38.25A | ---- | 37.75- | 16.00 | .169 | ---- | ---- | 2 | UNCH | 134.00B | 24.50A |
| 7430 | ---- | 58.75B | 36.25A | ---- | 35.50- | 15.50 | .162 | ---- | ---- | 5 | UNCH | 128.75B | 23.25A |
| 7450 | ---- | 52.50B | 32.75A | ---- | 31.75- | 14.25 | .149 | ---- | ---- | 46 | UNCH | 118.50B | 21.00A |
| 7480 | ---- | 44.25B | 27.75A | ---- | 26.50 | NEW | .130 | ---- | 2 | 2 + | 2 | 104.00B | 18.00A |
| 7490 | ---- | 41.75B | 26.00A | ---- | 25.00- | 11.75 | .124 | ---- | ---- | 6 | UNCH | 99.50B | 17.00A |
| 7500 | 28.75 | 39.50B | 23.00 | ---- | 23.50- | 11.25 | .118 | ---- | 5 | 57 + | 3 | 95.00B | 16.00A |
| 7510 | 35.75 | 37.00B | 23.25A | ---- | 22.25 | NEW | .113 | ---- | 1 | 1 + | 1 | 90.75B | 15.25A |
| 7530 | ---- | 32.75B | 20.75A | ---- | 19.50- | 9.50 | .102 | ---- | ---- | 25 | UNCH | 82.25B | 13.75A |
| 7540 | ---- | 30.75B | 19.75A | ---- | 18.25- | 9.00 | .097 | ---- | ---- | 6 | UNCH | 78.25B | 13.00A |
| 7550 | 20.50 | 28.75B | 18.50A | ---- | 17.25- | 8.50 | .092 | ---- | 2 | 2 - | 1 | 74.50B | 12.25A |
| 7560 | ---- | 27.00B | 17.50A | ---- | 16.25- | 7.75 | .088 | ---- | ---- | 4 | UNCH | 70.75B | 11.75A |
| 7570 | ---- | 25.25B | 16.50A | ---- | 15.00- | 7.50 | .083 | ---- | ---- | 4 | UNCH | 67.00B | 11.00A |
| 7580 | ---- | 23.50B | 15.50A | ---- | 14.25- | 7.00 | .079 | ---- | ---- | 1 | UNCH | 62.00B | 10.75A |
| 7590 | ---- | 22.00B | 14.75A | ---- | 13.25- | 6.50 | .074 | ---- | ---- | 11 | UNCH | 58.75B | 10.00A |
| 7600 | ---- | 20.50B | 13.75A | ---- | 12.50- | 6.00 | .071 | ---- | 1 | 188 + | 1 | 55.50B | 9.50A |
| 7610 | ---- | 19.00B | 13.00A | ---- | 11.50- | 5.75 | .066 | ---- | ---- | 3 | UNCH | 52.25B | 9.00A |
| 7630 | ---- | 16.50B | 11.75A | ---- | 10.25- | 4.75 | .060 | ---- | ---- | 1 | UNCH | 46.50B | 8.25A |
| 7650 | ---- | 14.25B | 10.50A | ---- | 8.75- | 4.25 | .053 | ---- | ---- | 23 | UNCH | 41.00B | 7.50A |
| 7680 | ---- | 11.25B | 8.75A | ---- | 7.25- | 3.25 | .045 | ---- | ---- | 5 | UNCH | 34.50B | 6.50A |
| 7690 | ---- | 10.50B | 8.25A | ---- | 6.75- | 3.00 | .042 | ---- | ---- | 5 | UNCH | 32.50B | 6.00A |
| 7730 | ---- | 7.50B | 6.75A | ---- | 5.00- | 2.25 | .032 | ---- | ---- | 1 | UNCH | 25.75B | 5.50A |
| 7740 | ---- | ---- | 6.25A | ---- | 4.75- | 2.00 | .031 | ---- | ---- | 3 | UNCH | 26.75 | 4.90A |
| 7750 | ---- | ---- | 6.00A | ---- | 4.40- | 1.85 | .029 | ---- | ---- | 21 | UNCH | 22.75B | 4.65A |
| 7780 | ---- | ---- | 4.90A | ---- | 3.55- | 1.40 | .024 | ---- | ---- | 1 | UNCH | 19.00B | 4.45A |
| 7800 | ---- | ---- | ---- | ---- | 3.05- | 1.20 | .021 | ---- | ---- | 112 | UNCH | 16.75B | 4.45A |
| 7900 | ---- | ---- | ---- | ---- | 1.40- | 0.80 | .010 | ---- | ---- | 211 | UNCH | 9.25B | 2.65A |
| TOTAL | | | | | | | | | 53 | 1428 + | 24 | | |
| MINI NSDO EOM C | | | | | | | | | | | | | |
| JUN18 | MINI NSDQ EOM C | | | | | | | | | | | | |
| 6300 | ---- | ---- | ---- | ---- | 698.50- | 105.75 | .999 | ---- | ---- | 20 | UNCH | 952.50B | 344.50A |
| 6390 | ---- | ---- | ---- | ---- | 608.75- | 105.50 | .998 | ---- | ---- | 2 | UNCH | 907.75B | 285.50A |
| 6500 | ---- | ---- | ---- | ---- | 499.50- | 105.25 | .996 | ---- | ---- | 114 | UNCH | 803.00B | 219.75A |
| 6540 | ---- | ---- | ---- | ---- | 459.75- | 105.00 | .994 | ---- | ---- | 4 | UNCH | 766.50B | 197.75A |
| 6600 | ---- | ---- | 441.50A | ---- | 400.25- | 104.75 | .991 | ---- | ---- | 26 | UNCH | 707.25B | 167.00A |
| 6650 | ---- | 463.50B | 392.00A | ---- | 350.75- | 104.50 | .987 | ---- | ---- | 8 | UNCH | 663.75B | 144.25A |
| 6660 | ---- | 453.50B | 342.00A | ---- | 341.00- | 104.25 | .986 | ---- | ---- | 25 | UNCH | 654.25B | 139.50A |
| 6700 | ---- | 413.75B | 303.50A | ---- | 301.75- | 104.00 | .980 | ---- | ---- | 7 | UNCH | 616.00 | 122.75A |
| 6710 | ---- | 403.75B | 293.75A | ---- | 292.00- | 103.75 | .978 | ---- | ---- | 40 | UNCH | 608.25B | 118.75A |
| 6720 | ---- | 393.75B | 284.50A | ---- | 282.25- | 103.75 | .975 | ---- | ---- | 6 | UNCH | 598.50B | 114.75A |
| 6730 | ---- | 401.50B | 275.75A | ---- | 272.50- | 103.50 | .972 | ---- | ---- | 3 | UNCH | 588.50B | 111.00A |
| 6750 | ---- | 381.25B | 263.50A | ---- | 253.25- | 103.00 | .966 | ---- | ---- | 1 | UNCH | 568.75B | 103.25A |
| 6770 | ---- | 361.75B | 245.50A | ---- | 234.25- | 102.50 | .957 | ---- | ---- | 1 | UNCH | 599.75B | 96.00A |
| 6780 | ---- | 351.75B | 236.00A | ---- | 224.75- | 102.25 | .952 | ---- | ---- | 8 | UNCH | 591.75B | 92.25A |
| 6800 | ---- | 332.00B | 215.50A | ---- | 206.00- | 101.50 | .940 | ---- | ---- | 168 | UNCH | 575.75B | 86.00A |
| 6810 | ---- | 322.00B | 206.50A | ---- | 196.75- | 101.00 | .932 | ---- | ---- | 1 | UNCH | 568.25B | 82.75A |
| 6820 | ---- | 312.00B | 197.25A | ---- | 187.75- | 100.25 | .922 | ---- | ---- | 6 | UNCH | 560.25B | 79.50A |
| 6830 | ---- | 302.25B | 188.50A | ---- | 178.50- | 100.00 | .914 | ---- | ---- | 1 | UNCH | 552.75B | 76.25A |
| 6840 | ---- | 292.25B | 179.50A | ---- | 169.75- | 99.00 | .901 | ---- | ---- | 4 | UNCH | 545.00B | 73.50A |
| 6850 | ---- | 282.50B | 170.75A | ---- | 160.75- | 98.50 | .890 | ---- | ---- | 17 | UNCH | 536.75B | 71.00A |
| 6870 | ---- | 263.00B | 153.25A | ---- | 143.50- | 96.75 | .860 | ---- | ---- | 3 | UNCH | 521.75B | 65.50A |
| 6880 | ---- | 253.25B | 145.00A | ---- | 135.25- | 95.75 | .842 | ---- | ---- | 1 | UNCH | 513.75B | 62.75A |
| 6890 | ---- | 243.75B | 137.25A | ---- | 127.00- | 94.50 | .824 | ---- | ---- | 2 | UNCH | 507.00B | 60.25A |
| 6900 | ---- | 234.00B | 129.25A | ---- | 118.75- | 93.50 | .804 | ---- | ---- | 12 | UNCH | 499.75B | 57.75A |
| 6920 | ---- | 214.75B | 114.00A | ---- | 103.25- | 90.75 | .756 | ---- | ---- | 1 | UNCH | 484.00B | 52.00A |
| 6930 | ---- | 214.25B | 103.50A | ---- | 95.75- | 89.00 | .730 | ---- | ---- | 39 | UNCH | 477.25B | 50.00A |
| 6940 | ---- | 206.75B | 96.25A | ---- | 88.50- | 87.25 | .702 | ---- | ---- | 4 | UNCH | 469.25B | 47.75A |
| 6950 | ---- | 197.25B | 89.25A | ---- | 81.50- | 85.50 | .671 | ---- | ---- | 10 | UNCH | 462.50B | 45.75A |
| 6960 | ---- | 188.00B | 82.25A | ---- | 74.75- | 83.50 | .639 | ---- | ---- | 11 | UNCH | 455.00B | 43.75A |
| 6970 | ---- | 178.50B | 65.50A | ---- | 68.25- | 81.25 | .605 | ---- | 2 | 10 - | 2 | 447.75B | 42.00A |
| 6980 | 75.00 | 169.25B | 59.25A | ---- | 62.00- | 78.75 | .570 | ---- | 2 | 3 + | 2 | 439.25B | 40.00A |
| 6990 | ---- | 160.00B | 53.50A | ---- | 56.00 | NEW | .534 | ---- | 1 | 1 + | 1 | 432.00B | 38.25A |
| 7000 | 131.50 | 151.00B | 47.75A | ---- | 50.50- | 73.50 | .496 | ---- | 22 | 263 - | 2 | 424.75B | 36.50A |
| 7010 | 75.00 | 143.50B | 42.50A | ---- | 45.00- | 70.75 | .457 | ---- | 2 | 4 + | 2 | 419.00B | 35.00A |
| 7030 | 50.00 | 126.00B | 32.75A | ---- | 35.25- | 64.50 | .379 | ---- | 1 | 27 | UNCH | 404.75B | 32.00A |
| 7040 | 52.25 | 117.50B | *28.50A | ---- | 30.75- | 61.25 | .340 | ---- | 31 | 38 + | 26 | 396.75B | 28.50A |
| 7050 | 40.00 | 109.00B | *24.50A | ---- | 26.75- | 57.75 | .302 | ---- | 56 | 51 + | 18 | 390.50B | 24.50A |
| 7060 | 70.00 | 100.75B | *21.00A | ---- | 23.00- | 54.00 | .265 | ---- | 3 | 26 | UNCH | 384.00B | 21.00A |
| 7070 | 32.50 | 93.50B | *17.75A | ---- | 19.75- | 50.25 | .230 | ---- | 3 | 10 + | 3 | 376.00B | 17.75A |
| 7080 | 80.00 | 85.25B | *15.00A | ---- | 16.75- | 46.50 | .197 | ---- | 28 | 24 - | 1 | 371.00B | 15.00A |
| 7090 | 45.00 | 77.50B | *12.75A | ---- | 14.00- | 42.75 | .166 | ---- | 39 | 72 - | 10 | 366.00B | 12.75A |
| 7100 | 24.00 | 70.00B | *10.00 | ---- | 11.75- | 38.75 | .139 | ---- | 66 | 97 - | 2 | 359.00B | 10.00 |
| 7110 | 25.25 | 65.25B | *9.00A | ---- | 9.75- | 35.00 | .115 | ---- | 39 | 28 + | 15 | 352.50B | 9.00A |
| 7120 | 15.00 | 58.75B | *7.50 | ---- | 8.00- | 31.25 | .093 | ---- | 28 | 44 + | 14 | 345.75B | 7.50 |
| 7130 | 14.50 | 54.00 | *6.25A | ---- | 6.50- | 27.50 | .074 | ---- | 47 | 95 + | 6 | 339.00B | 6.25A |
| 7140 | 30.00 | 47.50B | *5.25 | ---- | 5.25- | 24.25 | .059 | ---- | 23 | 44 - | 3 | 332.50B | 5.25 |
| 7150 | 7.50 | 41.25B | *4.40A | ---- | 4.25- | 21.00 | .046 | ---- | 127 | 219 - | 15 | 326.00B | 4.40A |
| 7160 | 19.50 | 35.75B | *3.75A | ---- | 3.35- | 17.90 | .035 | ---- | 8 | 16 + | 1 | 319.75B | 3.75A |
| 7170 | 23.50 | 30.25B | *3.20A | ---- | 2.65- | 15.35 | .026 | ---- | 21 | 18 + | 10 | 313.25B | 3.20A |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MINI NSDQ EOM C | | | | | | | | | | | | | | |
| 7180 | 18.00 | 25.50B | *2.75A | ---- | | 2.10- | 12.90 | .020 | ---- | 209 | 230 + | 140 | 306.75B | 2.75A |
| 7190 | 10.75 | 21.00B | *2.30A | ---- | | 1.60- | 10.65 | .014 | ---- | 37 | 29 + | 13 | 300.50B | 2.30A |
| 7200 | 4.00 | 17.00B | *1.95A | ---- | | 1.25- | 8.75 | .010 | ---- | 64 | 231 + | 17 | 294.50B | 1.95A |
| 7210 | 6.75 | 13.75B | *1.65A | ---- | | .95- | 7.30 | .007 | ---- | 70 | 114 + | 59 | 288.25B | 1.65A |
| 7220 | ---- | 10.75B | *1.40A | ---- | | .70- | 5.80 | .005 | ---- | 1 | 80 | UNCH | 282.25B | 1.40A |
| 7230 | ---- | 8.25B | *1.15A | ---- | | .55- | 4.70 | .003 | ---- | 1 | 61 + | 1 | 276.25B | 1.15A |
| 7240 | ---- | 6.25B | *1.00A | ---- | | .40- | 3.90 | .002 | ---- | ---- | 107 | UNCH | 270.25B | 1.00A |
| 7250 | 4.00 | 4.70B | *.85A | ---- | | .30- | 3.15 | .001 | ---- | 164 | 189 + | 53 | 264.25B | .85A |
| 7260 | ---- | 3.40B | *.75A | ---- | | .20- | 2.60 | .001 | ---- | 119 | 68 + | 60 | 258.50B | .75A |
| 7270 | 3.00 | 3.00 | *.65A | ---- | | .15- | 2.10 | .000 | ---- | 15 | 39 - | 6 | 252.75B | .65A |
| 7280 | 1.90 | 1.90 | *.50A | ---- | | .10- | 1.75 | .000 | ---- | 1 | 66 | UNCH | 247.00B | .50A |
| 7290 | ---- | ---- | *.45A | ---- | | .05- | 1.45 | .000 | ---- | ---- | 45 | UNCH | 241.50B | .45A |
| 7300 | ---- | ---- | *.30A | ---- | | .05- | 1.15 | .000 | ---- | ---- | 147 | UNCH | 235.75B | .30A |
| 7310 | ---- | ---- | *.40A | ---- | | .05- | 0.90 | .000 | ---- | 60 | 90 + | 60 | 230.25B | .40A |
| 7320 | ---- | ---- | *.40A | ---- | CAB | | ---- | .000 | ---- | 5 | 68 | UNCH | 225.00B | .40A |
| 7330 | ---- | ---- | *.35A | ---- | CAB | | ---- | .000 | ---- | 5 | 14 + | 3 | 219.50B | .35A |
| 7340 | ---- | ---- | *.35A | ---- | CAB | | ---- | .000 | ---- | ---- | 85 | UNCH | 214.25B | .35A |
| 7350 | ---- | ---- | *.35A | ---- | CAB | | ---- | .000 | ---- | 3 | 175 - | 1 | 209.25B | .35A |
| 7360 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 43 | UNCH | 204.00B | 1.10A |
| 7370 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 126 | UNCH | 198.75B | .50A |
| 7380 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 33 | UNCH | 193.75B | .90A |
| 7390 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 8 | UNCH | 188.75B | .85A |
| 7400 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 252 | UNCH | 184.00B | .80A |
| 7410 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 22 | UNCH | 179.00B | .75A |
| 7420 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 26 | UNCH | 174.50B | .70A |
| 7430 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 10 | UNCH | 170.00B | .65A |
| 7440 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | 165.50B | .60A |
| 7450 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 51 | UNCH | 161.00B | .60A |
| 7460 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | 156.75B | .55A |
| 7500 | .05 | .05 | *.05 | ---- | CAB | | ---- | ---- | ---- | 1 | 206 | UNCH | 140.00B | .05 |
| 7510 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | 135.50B | .45A |
| 7550 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 51 | UNCH | 120.75B | .40A |
| 7600 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 182 | UNCH | 102.75B | .65A |
| 7780 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | 54.00B | .80A |
| 8000 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 26 | UNCH | 21.50B | .05A |
| 8030 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 8 | UNCH | 18.75B | .45A |
| 8050 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | 17.25B | .10 |
| 8100 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 11 | UNCH | 13.75B | .10 |
| TOTAL | | | | | | | | | | 1304 | 4533 + | 462 | | |
| JUL18 | MINI NSDO EOM C | | | | | | | | | | | | | |
| 5390 | ---- | ---- | ---- | ---- | | 1609.50- | 104.50 | .987 | ---- | ---- | 2 | UNCH | 1502.50B | 1170.50A |
| 6500 | ---- | 640.50B | 571.50A | ---- | | 549.75- | 88.75 | .834 | ---- | ---- | 19 | UNCH | 858.75B | 266.00A |
| 6550 | ---- | 595.25B | 527.75A | ---- | | 506.50- | 86.75 | .814 | ---- | ---- | 3 | UNCH | 810.75B | 238.50A |
| 6560 | ---- | 586.25B | 519.00A | ---- | | 497.75- | 86.50 | .810 | ---- | ---- | 3 | UNCH | 801.25B | 233.25A |
| 6600 | ---- | 550.50B | 484.75A | ---- | | 464.00- | 84.75 | .792 | ---- | ---- | 8 | UNCH | 763.25B | 212.25A |
| 6710 | ---- | 454.75B | 393.00A | ---- | | 374.25- | 79.00 | .733 | ---- | ---- | 3 | UNCH | 659.75B | 160.50A |
| 6730 | ---- | 437.75B | 377.00A | ---- | | 358.50- | 77.75 | .721 | ---- | ---- | 3 | UNCH | 641.00B | 152.25A |
| 6750 | ---- | 421.00B | 361.00A | ---- | | 343.00- | 76.50 | .709 | ---- | ---- | 7 | UNCH | 622.50B | 143.75A |
| 6850 | ---- | 364.75B | 269.25A | ---- | | 269.50- | 68.50 | .638 | ---- | ---- | 4 | UNCH | 531.00B | 107.00A |
| 6880 | ---- | 340.25B | 248.25A | ---- | | 248.50- | 65.75 | .615 | ---- | ---- | 2 | UNCH | 504.00B | 97.50A |
| 6900 | ---- | 324.50B | 235.25A | ---- | | 235.25- | 63.50 | .599 | ---- | ---- | 4 | UNCH | 486.25B | 91.25A |
| 6910 | ---- | 316.50B | 228.50A | ---- | | 228.50- | 62.75 | .590 | ---- | ---- | 3 | UNCH | 477.25B | 88.25A |
| 6930 | ---- | 301.00B | 215.25A | ---- | | 215.50- | 60.75 | .573 | ---- | ---- | 3 | UNCH | 459.75B | 82.75A |
| 6970 | ---- | 270.50B | 189.75A | ---- | | 190.25- | 56.50 | .538 | ---- | ---- | 3 | UNCH | 424.75B | 72.25A |
| 7000 | 200.00 | 248.00B | 171.75A | ---- | | 172.25- | 53.00 | .510 | ---- | 10 | 5 - | 10 | 399.00B | 65.00A |
| 7030 | ---- | 226.50B | 154.25A | ---- | | 154.75- | 50.00 | .481 | ---- | ---- | 1 | UNCH | 373.50B | 58.50A |
| 7050 | ---- | 212.25B | 143.00A | ---- | | 143.75- | 47.75 | .462 | ---- | ---- | 8 | UNCH | 356.75B | 54.25A |
| 7080 | ---- | 191.75B | 127.25A | ---- | | 127.50- | 44.50 | .431 | ---- | ---- | 2 | UNCH | 332.00B | 48.75A |
| 7090 | ---- | 185.25B | 122.00A | ---- | | 122.50- | 43.25 | .421 | ---- | ---- | 2 | UNCH | 323.75B | 47.00A |
| 7100 | 170.25 | 178.50B | 117.00A | ---- | | 117.25- | 42.50 | .411 | ---- | 1 | 146 - | 1 | 315.75B | 45.25A |
| 7150 | ---- | 147.25B | 94.00A | ---- | | 93.50- | 37.00 | .358 | ---- | ---- | 7 | UNCH | 276.00B | 37.25A |
| 7190 | ---- | 124.00B | 77.50A | ---- | | 76.75- | 32.50 | .316 | ---- | 1 | ---- | 1 | 245.50B | 31.50A |
| 7200 | 99.75 | 118.50B | 73.75A | ---- | | 72.75- | 31.25 | .305 | ---- | 2 | 26 | UNCH | 238.00B | 30.00A |
| 7210 | ---- | 113.00B | 70.00A | ---- | | 69.00- | 30.25 | .295 | ---- | ---- | 1 | UNCH | 230.50B | 28.75A |
| 7230 | ---- | 102.75B | 63.00A | ---- | | 61.75- | 28.00 | .274 | ---- | ---- | 1 | UNCH | 216.00B | 26.50A |
| 7240 | ---- | 97.75B | 59.75A | ---- | | 58.25- | 27.00 | .264 | ---- | ---- | 1 | UNCH | 209.00B | 25.25A |
| 7250 | ---- | 92.75B | 56.50A | ---- | | 55.00- | 26.00 | .253 | ---- | 5 | 9 + | 5 | 201.75B | 24.25A |
| 7260 | ---- | 88.00B | 53.50A | ---- | | 51.75- | 25.00 | .243 | ---- | 1 | 2 - | 1 | 194.75B | 23.25A |
| 7280 | ---- | 78.75B | 47.75A | ---- | | 45.75- | 22.75 | .223 | ---- | ---- | 2 | UNCH | 181.25B | 21.25A |
| 7290 | ---- | 74.50B | 45.00A | ---- | | 43.00- | 21.75 | .213 | ---- | ---- | 1 | UNCH | 174.50B | 20.50A |
| 7300 | ---- | 70.25B | 42.50A | ---- | | 40.25- | 20.75 | .204 | ---- | 5 | 46 + | 4 | 168.00B | 19.75A |
| 7320 | 43.75 | 62.00B | 37.75A | ---- | | 35.25- | 18.75 | .185 | ---- | 4 | 5 + | 4 | 155.00B | 18.00A |
| 7350 | ---- | 51.25B | 31.50A | ---- | | 28.75- | 16.00 | .159 | ---- | ---- | 1 | UNCH | 136.50B | 16.00A |
| 7400 | ---- | 35.75B | 23.00A | ---- | | 20.00- | 11.75 | .120 | ---- | ---- | 26 | UNCH | 108.25B | 12.00 |
| 7410 | ---- | 33.00B | 21.50A | ---- | | 18.50- | 11.00 | .113 | ---- | ---- | 1 | UNCH | 103.00B | 15.75A |
| 7450 | ---- | 23.50B | 16.75A | ---- | | 13.50- | 8.50 | .088 | ---- | ---- | 2 | UNCH | 83.25B | 13.00A |
| 7510 | ---- | ---- | 11.50A | ---- | | 8.50- | 5.25 | .059 | ---- | ---- | 1 | UNCH | 58.25B | 9.50A |
| 7530 | ---- | ---- | *10.25A | ---- | | 7.00- | 4.75 | .051 | ---- | ---- | 1 | UNCH | 51.00B | 10.25A |
| 7540 | ---- | ---- | *9.50A | ---- | | 6.50- | 4.25 | .047 | ---- | ---- | 1 | UNCH | 47.50B | 9.50A |
| 7600 | ---- | ---- | ---- | ---- | | 3.75- | 2.75 | .029 | ---- | ---- | 2 | UNCH | 31.00B | 8.00A |
| 7640 | ---- | ---- | ---- | ---- | | 2.40- | 2.00 | .020 | ---- | ---- | 1 | UNCH | 23.25B | 6.50A |
| 7650 | ---- | ---- | ---- | ---- | | 2.15- | 1.80 | .018 | ---- | ---- | 3 | UNCH | 21.50B | 6.25A |
| 7730 | ---- | ---- | ---- | ---- | | .65- | 0.95 | .006 | ---- | ---- | 1 | UNCH | 11.25B | 4.55A |
| TOTAL | | | | | | | | | | 29 | 372 | | | |
| AUG18 | MINI NSDO EOM C | | | | | | | | | | | | | |
| 7050 | ---- | 274.25B | 206.00A | ---- | | 204.00- | 50.75 | .479 | ---- | ---- | 1 | UNCH | 405.00B | 85.00A |
| 7100 | ---- | 241.75B | 179.00A | ---- | | 177.50- | 46.25 | .443 | ---- | ---- | 13 | UNCH | 366.50B | 72.25A |
| 7120 | ---- | 229.25B | 168.75A | ---- | | 167.25 | NEW | .428 | ---- | 1 | 1 + | 1 | 351.25B | 67.50A |
| 7150 | ---- | 211.00B | 154.00A | ---- | | 152.75- | 41.50 | .405 | ---- | 3 | 3 + | 3 | 329.00B | 60.75A |
| 7170 | ---- | 199.25B | 144.50A | ---- | | 143.50- | 39.50 | .390 | ---- | ---- | 2 | UNCH | 314.50B | 56.75A |
| 7250 | ---- | 155.25B | 110.00A | ---- | | 109.25- | 32.25 | .329 | ---- | ---- | 3 | UNCH | 258.50B | 42.50A |
| 7300 | ---- | 130.50B | 91.50A | ---- | | 90.25- | 28.00 | .291 | ---- | ---- | 13 | UNCH | 225.50B | 35.25A |
| 7320 | ---- | 121.25B | 84.75A | ---- | | 83.25 | NEW | .276 | ---- | 1 | 1 + | 1 | 212.75B | 32.75A |
| 7350 | ---- | 108.00B | 75.00A | ---- | | 73.50- | 24.25 | .253 | ---- | 3 | 3 + | 3 | 194.50B | 29.25A |
| 7400 | ---- | 87.75B | 60.75A | ---- | | 58.75- | 20.75 | .217 | ---- | ---- | 1 | UNCH | 165.50B | 24.25A |
| 7430 | ---- | 76.75B | 53.50A | ---- | | 51.25- | 18.50 | .197 | ---- | ---- | 11 | UNCH | 149.25B | 21.75A |
| 7790 | ---- | ---- | *10.00A | ---- | | 7.00- | 3.25 | .040 | ---- | ---- | 1 | UNCH | 25.50B | 10.00A |
| TOTAL | | | | | | | | | | 8 | 53 + | 8 | | |
| SEP18 | MINI NSDO EOM C | | | | | | | | | | | | | |
| 7000 | ---- | 367.75B | *292.25A | ---- | | 292.75- | 54.75 | .533 | ---- | ---- | 1 | UNCH | 502.75B | 292.25A |
| 7250 | ---- | 215.00B | *160.75A | ---- | | 160.00- | 39.00 | .379 | ---- | ---- | 1 | UNCH | 319.75B | 160.75A |
| 7380 | ---- | 149.75B | *109.25A | ---- | | 107.75- | 30.00 | .295 | ---- | ---- | 50 | UNCH | 236.75B | 109.25A |
| 7400 | ---- | 140.75B | *102.25A | ---- | | 101.00- | 28.25 | .282 | ---- | ---- | 1 | UNCH | 225.00B | 102.25A |
| 7410 | ---- | 136.25B | *99.00A | ---- | | 97.50- | 27.75 | .276 | ---- | ---- | 14 | UNCH | 219.25B | 99.00A |
| 7430 | ---- | 127.75B | *92.50A | ---- | | 91.00- | 26.25 | .263 | ---- | ---- | 4 | UNCH | 207.75B | 92.50A |
| 7710 | 34.00 | 41.50B | *32.25A | ---- | | 29.25- | 10.25 | .114 | ---- | 3 | 3 | UNCH | 82.50B | 32.25A |
| TOTAL | | | | | | | | | | 3 | 74 | | | |

### E-MINI NASDAQ 100 WEEKLY-1 PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON1 PUT | | | | | | | | | | | | | |
| JUL18 | QN1 PUT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 6020 | ---- | 1.05B | *.65A | ---- | 1.45+ | 45 | .006 | ---- | ---- | 15 | UNCH | 9.50B | .65A |
| 6110 | ---- | 1.55B | *.90A | ---- | 2.00+ | 65 | .009 | ---- | ---- | 3 | UNCH | 12.00B | .90A |
| 6200 | 0.85 | 2.30B | *.85 | ---- | 2.80+ | 105 | .013 | ---- | 20 | 20 | UNCH | 14.75B | .85 |
| 6280 | 5.25 | 5.25 | *1.20A | ---- | 3.85+ | 155 | .019 | ---- | 150 | 100 | UNCH | 18.00B | 1.20A |
| 6300 | 1.70 | 3.75B | *1.60A | ---- | 4.15+ | NEW | .021 | ---- | 5 | 5 + | 5 | 19.00B | 1.60A |
| 6470 | ---- | 8.00B | *2.90A | ---- | 8.00+ | 375 | .045 | ---- | ---- | 1 | UNCH | 29.25B | 2.90A |
| 6500 | ---- | 9.25B | *3.25A | ---- | 9.00+ | 425 | .051 | ---- | ---- | 1 | UNCH | 31.75B | 3.25A |
| 6520 | 7.50 | 10.00B | *3.45A | ---- | 9.75+ | NEW | .056 | ---- | 2 | 2 + | 2 | 33.50B | 3.45A |
| 6540 | ---- | 11.00B | *3.70A | ---- | 10.75+ | 525 | .062 | ---- | ---- | 3 | UNCH | 35.25B | 3.70A |
| 6590 | ---- | 14.00B | *4.45A | ---- | 13.25+ | 650 | .077 | ---- | ---- | 3 | UNCH | 40.50B | 4.45A |
| 6600 | 8.50 | 14.50B | *4.60A | ---- | 13.75+ | 675 | .081 | ---- | 2 | 13 + | 2 | 41.50B | 4.60A |
| 6610 | ---- | 15.25B | *4.80A | ---- | 14.50+ | 725 | .085 | ---- | ---- | 5 | UNCH | 42.75B | 4.80A |
| 6640 | ---- | 17.75B | *5.50A | ---- | 16.50+ | 800 | .098 | ---- | ---- | 1 | UNCH | 46.25B | 5.50A |
| 6650 | ---- | 18.50B | *5.75A | ---- | 17.25+ | 850 | .103 | ---- | ---- | 126 | UNCH | 47.75B | 5.75A |
| 6660 | ---- | 19.50B | *6.00A | ---- | 18.00+ | 875 | .107 | ---- | ---- | 63 | UNCH | 49.00B | 6.00A |
| 6690 | ---- | 22.50B | 6.75A | ---- | 20.75+ | 1025 | .124 | ---- | ---- | 64 | UNCH | 77.50B | 6.75A |
| 6700 | 17.50 | 23.50B | 7.00A | ---- | 21.75+ | 1075 | .130 | ---- | 5 | 1 - | 5 | 54.75B | 7.00A |
| 6740 | ---- | 28.50B | 8.25A | ---- | 26.25+ | 1300 | .158 | ---- | ---- | 2 | UNCH | 88.50B | 7.75A |
| 6750 | ---- | 29.75B | 8.75A | ---- | 27.75+ | 1375 | .166 | ---- | ---- | 126 | UNCH | 90.75B | 8.00A |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6760 | ---- | 31.25B | 9.25A | ---- | 29.00+ | 1425 | .174 | ---- | ---- | 1 | UNCH | 93.50B | 8.25A |
| 6770 | 15.50 | 32.75B | 9.50A | ---- | 30.50+ | 1525 | .183 | ---- | 2 | 4 + | 2 | 95.75B | 8.50A |
| 6780 | ---- | 34.50B | 10.00A | ---- | 32.00+ | 1575 | .192 | ---- | ---- | 1 | UNCH | 98.50B | 8.75A |
| 6790 | ---- | 36.25B | 10.50A | ---- | 33.50+ | 1650 | .201 | ---- | ---- | 1 | UNCH | 101.25B | 9.00A |
| 6800 | 13.75 | 38.00 | 11.00A | ---- | 35.00+ | 1725 | .210 | ---- | 5 | 156 | UNCH | 104.00B | 9.25A |
| 6810 | ---- | 39.75B | 11.75A | ---- | 36.75+ | 1800 | .220 | ---- | ---- | 1 | UNCH | 106.75B | 9.50A |
| 6830 | 16.25 | 43.75B | 12.75A | ---- | 40.50+ | 2000 | .241 | ---- | 2 | 85 - | 1 | 80.00B | 10.25A |
| 6840 | 35.25 | 46.00B | 13.50A | ---- | 42.50+ | 2100 | .253 | ---- | 2 | 25 | UNCH | 115.75B | 10.50A |
| 6850 | 30.00 | 48.00B | 14.25A | ---- | 44.50+ | 2175 | .264 | ---- | 6 | 19 + | 4 | 101.00B | 10.75A |
| 6860 | 16.00 | 50.50B | 15.00A | ---- | 46.75+ | 2300 | .277 | ---- | 5 | 5 + | 3 | 102.25B | 11.25A |
| 6870 | ---- | 52.75B | 15.75A | ---- | 49.00+ | 2400 | .289 | ---- | ---- | 4 | UNCH | 105.25B | 11.50A |
| 6880 | ---- | 55.25B | 16.50A | ---- | 51.25+ | 2500 | .302 | ---- | ---- | 3 | UNCH | 110.00B | 12.00A |
| 6890 | ---- | 58.00B | 17.50A | ---- | 53.75+ | NEW | .316 | ---- | 2 | 2 + | 2 | 112.25B | 12.50A |
| 6900 | 26.00 | 60.50B | 18.25A | ---- | 56.25+ | 2725 | .329 | ---- | 265 | 153 + | 43 | 116.00B | 12.75A |
| 6910 | ---- | 63.50B | 19.25A | ---- | 59.00+ | 2850 | .344 | ---- | ---- | 7 | UNCH | 119.00B | 13.25A |
| 6920 | ---- | 66.50B | 20.50A | ---- | 61.75+ | 2975 | .359 | ---- | ---- | 5 | UNCH | 122.00B | 13.75A |
| 6930 | 30.00 | 69.50B | 21.50A | ---- | 64.75+ | 3125 | .375 | ---- | 5 | 6 + | 5 | 125.75B | 14.25A |
| 6940 | ---- | 72.75B | 22.75A | ---- | 68.00+ | 3275 | .391 | ---- | ---- | 5 | UNCH | 131.25B | 14.75A |
| 6950 | 60.00 | 76.00B | 24.00A | ---- | 71.00+ | 3400 | .407 | ---- | 23 | 29 + | 22 | 135.00B | 15.50A |
| 6970 | 53.25 | 83.00B | 26.75A | ---- | 78.00+ | 3725 | .442 | ---- | 2 | 6 + | 2 | 121.50B | 16.25A |
| 6980 | ---- | 86.75B | 28.25A | ---- | 81.50+ | 3875 | .460 | ---- | ---- | 8 | UNCH | 125.25B | 16.75A |
| 6990 | ---- | 90.75B | 29.75A | ---- | 85.50+ | 4075 | .478 | ---- | ---- | 3 | UNCH | 129.25B | 17.25A |
| 7000 | 58.00 | 94.75B | 31.50A | ---- | 89.25+ | 4225 | .497 | ---- | 205 | 174 - | 99 | 133.25B | 18.00A |
| 7010 | ---- | 99.25B | 33.25A | ---- | 93.50+ | 4400 | .516 | ---- | ---- | 3 | UNCH | 137.50B | 18.50A |
| 7020 | ---- | 103.75B | 35.00A | ---- | 97.75+ | 4600 | .536 | ---- | ---- | 6 | UNCH | 141.75B | 19.00A |
| 7030 | ---- | 108.25B | 37.00A | ---- | 102.25+ | NEW | .556 | ---- | 3 | 3 + | 3 | 146.00B | 19.75A |
| 7040 | 50.00 | 113.25B | 39.00A | ---- | 107.00+ | 5000 | .576 | ---- | 4 | 8 + | 4 | 150.75B | 20.50A |
| 7050 | 85.00 | 118.25B | 41.25A | ---- | 112.00+ | 5200 | .597 | ---- | 1 | 5 - | 1 | 155.50B | 21.25A |
| 7060 | 57.25 | 122.50B | 43.75A | ---- | 117.00+ | 5400 | .618 | ---- | 1 | 5 + | 1 | 160.25B | 22.00A |
| 7070 | ---- | 128.00B | 46.00A | ---- | 122.50+ | 5625 | .638 | ---- | ---- | 17 | UNCH | 165.25B | 22.75A |
| 7080 | 93.00 | 133.50B | 48.75A | ---- | 128.00+ | 5850 | .660 | ---- | 6 | 18 | UNCH | 170.00B | 23.50A |
| 7090 | ---- | 139.50B | 51.50A | ---- | 133.75+ | 6075 | .680 | ---- | ---- | 15 | UNCH | 175.25B | 24.50A |
| 7100 | 98.50 | 147.00 | 54.50A | ---- | 140.00+ | 6325 | .701 | ---- | 6 | 181 - | 5 | 180.75B | 25.50A |
| 7110 | ---- | 152.00B | 57.50A | ---- | 146.25+ | 6550 | .722 | ---- | ---- | 14 | UNCH | 186.25B | 26.50A |
| 7120 | 76.25 | 158.50B | 60.75A | ---- | 152.75+ | 6775 | .742 | ---- | 2 | 6 | UNCH | 192.00B | 27.50A |
| 7130 | ---- | 165.00B | 64.25A | ---- | 159.50+ | 7025 | .762 | ---- | 4 | 86 + | 3 | 198.00B | 28.75A |
| 7140 | ---- | 171.75B | 67.75A | ---- | 166.50+ | 7250 | .780 | ---- | 1 | 3 + | 1 | 199.00B | 29.75A |
| 7150 | 74.00 | 180.00 | 71.50A | ---- | 173.75+ | 7500 | .799 | ---- | 7 | 12 - | 3 | 205.25B | 27.00 |
| 7160 | ---- | 186.50B | 75.50A | ---- | 181.25+ | 7725 | .817 | ---- | ---- | 4 | UNCH | 211.75B | 32.50A |
| 7170 | ---- | 189.00B | 79.75A | ---- | 189.00+ | 7975 | .835 | ---- | ---- | 8 | UNCH | 216.50B | 34.00A |
| 7180 | ---- | 197.50B | 84.25A | ---- | 197.00+ | 8200 | .850 | ---- | ---- | 11 | UNCH | 223.25B | 35.50A |
| 7190 | ---- | 205.00B | 89.00A | ---- | 205.00+ | 8400 | .865 | ---- | ---- | 10 | UNCH | 230.25B | 37.00A |
| 7200 | ---- | 213.25B | 99.50A | ---- | 213.25+ | 8625 | .879 | ---- | 108 | 79 - | 58 | 237.50B | 38.75A |
| 7210 | ---- | 220.00B | 107.75A | ---- | 221.75+ | 8825 | .892 | ---- | ---- | 48 | UNCH | 244.75B | 40.50A |
| 7220 | ---- | 228.50B | 113.50A | ---- | 230.50+ | 9025 | .904 | ---- | ---- | 16 | UNCH | 252.50B | 42.00A |
| 7230 | ---- | 237.25B | 119.25A | ---- | 239.25+ | 9200 | .915 | ---- | ---- | 27 | UNCH | 260.00B | 44.25A |
| 7240 | ---- | 246.75B | 125.50A | ---- | 248.25+ | 9350 | .925 | ---- | ---- | 75 | UNCH | 268.00B | 46.25A |
| 7250 | ---- | 255.50B | 132.25A | ---- | 257.50+ | 9525 | .934 | ---- | ---- | 11 | UNCH | 275.75B | 48.75A |
| 7260 | ---- | 265.00B | 138.75A | ---- | 266.75+ | 9675 | .942 | ---- | ---- | 9 | UNCH | 284.00B | 51.00A |
| 7270 | ---- | 274.00B | 146.00A | ---- | 276.00+ | 9800 | .949 | ---- | ---- | 15 | UNCH | 292.25B | 53.75A |
| 7280 | ---- | 283.25B | 153.50A | ---- | 285.25+ | 9900 | .955 | ---- | 107 | 54 - | 62 | 301.00B | 56.50A |
| 7290 | ---- | 292.75B | 161.00A | ---- | 295.00+ | 10025 | .961 | ---- | ---- | 1 | UNCH | 309.00B | 59.50A |
| 7300 | ---- | 302.75B | 169.00A | ---- | 304.50+ | 10100 | .966 | ---- | ---- | 6 | UNCH | 317.75B | 62.50A |
| 7310 | ---- | 312.00B | 177.25A | ---- | 314.00+ | 10175 | .970 | ---- | ---- | 1 | UNCH | 326.75B | 65.75A |
| 7320 | ---- | 322.00B | 185.75A | ---- | 323.75+ | 10225 | .973 | ---- | ---- | 5 | UNCH | 335.25B | 69.25A |
| 7370 | ---- | 370.75B | 232.75A | ---- | 372.75+ | 10450 | .986 | ---- | ---- | 15 | UNCH | 381.00B | 89.75A |
| 7400 | ---- | 400.25B | 261.25A | ---- | 402.25+ | 10500 | .991 | ---- | ---- | 2 | UNCH | 409.00B | 104.75A |
| TOTAL | | | | | | | | | 958 | 2036 - | 130 | | |
| AUG18 | QN1 PUT | (FUTURES SETT. .00) | | | | | | | | | | | |
| 6200 | ---- | 28.75B | *18.75A | ---- | 30.50+ | 900 | .091 | ---- | ---- | 8 | UNCH | 33.25B | 18.75A |
| 6430 | ---- | #50.25B | *30.75A | ---- | 51.00+ | 1525 | .151 | ---- | ---- | 1 | UNCH | 50.25B | 30.75A |
| 6500 | ---- | #59.50B | *36.00A | ---- | 59.75+ | 1800 | .176 | ---- | ---- | 1 | UNCH | 59.50B | 36.00A |
| 6550 | ---- | #66.75B | *40.25A | ---- | 66.75+ | 2000 | .196 | ---- | ---- | 1 | UNCH | 66.75B | 40.25A |
| 6700 | ---- | 94.50B | *56.50A | ---- | 93.75+ | 2750 | .270 | ---- | ---- | 1 | UNCH | 98.75B | 56.50A |
| 6750 | ---- | #106.00B | *63.50A | ---- | 104.75+ | 3025 | .299 | ---- | 1 | 1 | UNCH | 106.00B | 63.50A |
| 6880 | 96.00 | #142.25B | *86.00A | ---- | 140.00+ | 3850 | .389 | ---- | 6 | 9 + | 6 | 142.25B | 86.00A |
| 6900 | 148.50 | #149.50B | *90.00A | ---- | 146.50+ | NEW | .404 | ---- | 4 | 4 + | 4 | 149.50B | 90.00A |
| 6910 | 114.50 | #153.25B | *92.25A | ---- | 149.75+ | NEW | .412 | ---- | 4 | 4 + | 4 | 153.25B | 92.25A |
| 6970 | ---- | #173.75B | *106.25A | ---- | 172.00+ | 4825 | .462 | ---- | ---- | 4 | UNCH | 173.75B | 106.25A |
| 7020 | 166.75 | #193.25B | *119.75A | ---- | 192.75+ | NEW | .506 | ---- | 4 | 4 + | 4 | 193.25B | 119.75A |
| 7050 | ---- | #206.25B | *128.50A | ---- | 206.00+ | NEW | .534 | ---- | 10 | 10 + | 10 | 206.25B | 128.50A |
| TOTAL | | | | | | | | | 29 | 48 + | 28 | | |

### E-MINI NASDAQ 100 WEEKLY-2 PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QN2 PUT | | | | | | | | | | | | | |
| JUL18 | QN2 PUT | | | | | | | | | | | | |
| 6140 | ---- | 6.75B | *3.30A | ---- | 7.25+ | 285 | .030 | ---- | ---- | 1 | UNCH | 10.25B | 3.30A |
| 6340 | ---- | 13.25B | 5.75A | ---- | 13.00+ | 525 | .057 | ---- | ---- | 3 | UNCH | 17.75B | 5.50A |
| 6350 | ---- | 13.50B | 6.00A | ---- | 13.50+ | 550 | .059 | ---- | ---- | 2 | UNCH | 18.25B | 5.75A |
| 6500 | ---- | 22.75B | 9.25A | ---- | 21.75+ | 925 | .098 | ---- | ---- | 5 | UNCH | 28.50B | 7.75A |
| 6510 | 17.00 | 23.50B | 9.50A | ---- | 22.50+ | NEW | .101 | ---- | 2 | 1 + | 1 | 29.25B | 8.00A |
| 6600 | ---- | 32.00B | 12.75A | ---- | 30.50+ | 1300 | .138 | ---- | ---- | 168 | UNCH | 38.50B | 9.75A |
| 6650 | ---- | 38.25B | 15.00A | ---- | 36.25+ | 1550 | .163 | ---- | ---- | 1 | UNCH | 45.00B | 11.00A |
| 6700 | ---- | 45.50B | 18.00A | ---- | 43.00+ | 1825 | .193 | ---- | 2 | 7 | UNCH | 52.50B | 12.50A |
| 6750 | ---- | 54.00B | 21.50A | ---- | 51.00+ | 2125 | .228 | ---- | ---- | 7 | UNCH | 61.25B | 14.25A |
| 6800 | ---- | 64.25B | 26.00A | ---- | 60.75+ | 2525 | .268 | ---- | ---- | 186 | UNCH | 71.50B | 16.50A |
| 6810 | ---- | 66.50B | 27.00A | ---- | 62.75+ | 2600 | .277 | ---- | ---- | 1 | UNCH | 73.75B | 17.00A |
| 6840 | ---- | 73.50B | 30.00A | ---- | 69.75+ | 2875 | .305 | ---- | ---- | 10 | UNCH | 81.00B | 18.25A |
| 6850 | ---- | 76.00B | 31.25A | ---- | 72.25+ | NEW | .315 | ---- | 2 | 2 + | 2 | 83.50B | 18.75A |
| 6860 | ---- | 78.50B | 32.50A | ---- | 74.75+ | 3075 | .325 | ---- | ---- | 21 | UNCH | 86.25B | 19.25A |
| 6870 | ---- | 81.25B | 33.75A | ---- | 77.25+ | 3150 | .335 | ---- | ---- | 3 | UNCH | 89.00B | 19.75A |
| 6880 | ---- | 84.00B | 35.00A | ---- | 80.00+ | 3250 | .346 | ---- | ---- | 25 | UNCH | 91.75B | 20.25A |
| 6900 | ---- | 89.75B | 37.75A | ---- | 85.75+ | 3475 | .368 | ---- | ---- | 80 | UNCH | 97.50B | 21.25A |
| 6910 | 58.00 | 92.75B | 39.25A | ---- | 88.75+ | 3600 | .379 | ---- | 2 | ---- | UNCH | 100.50B | 22.00A |
| 6950 | 90.00 | 106.00B | 45.75A | ---- | 101.75+ | 4075 | .428 | ---- | 1 | 4 | UNCH | 114.00B | 24.50A |
| 6970 | 94.25 | 113.00B | 49.50A | ---- | 109.00+ | 4325 | .453 | ---- | 4 | 6 + | 2 | 121.00B | 25.75A |
| 6980 | ---- | 116.75B | 51.50A | ---- | 112.75+ | 4475 | .466 | ---- | ---- | 5 | UNCH | 124.75B | 26.50A |
| 6990 | ---- | 120.75B | 53.50A | ---- | 116.75+ | 4625 | .480 | ---- | ---- | 8 | UNCH | 128.50B | 27.50A |
| 7000 | 100.00 | 124.75B | 55.50A | ---- | 120.75+ | 4750 | .494 | ---- | 21 | 43 - | 9 | 132.25B | 23.25 |
| 7010 | ---- | 129.00B | 57.75A | ---- | 124.75+ | 4900 | .508 | ---- | ---- | 5 | UNCH | 136.25B | 29.00A |
| 7020 | 123.00 | 133.25B | 60.00A | ---- | 129.00+ | 5025 | .522 | ---- | 3 | 28 | UNCH | 140.25B | 30.00A |
| 7030 | ---- | 137.50B | 62.25A | ---- | 133.50+ | 5200 | .536 | ---- | ---- | 8 | UNCH | 144.75B | 31.00A |
| 7040 | ---- | 142.25B | 64.75A | ---- | 138.00+ | 5350 | .550 | ---- | ---- | 29 | UNCH | 149.00B | 32.00A |
| 7050 | ---- | 147.00B | 67.25A | ---- | 142.50+ | 5475 | .565 | ---- | 10 | 27 + | 8 | 153.50B | 33.00A |
| 7060 | ---- | 151.75B | 69.75A | ---- | 147.25+ | 5625 | .580 | ---- | ---- | 7 | UNCH | 158.25B | 34.00A |
| 7070 | 104.75 | 156.75B | 72.75A | ---- | 152.25+ | 5800 | .595 | ---- | 4 | 13 + | 4 | 163.00B | 35.25A |
| 7080 | 77.25 | 161.00B | 75.50A | ---- | 157.25+ | 5950 | .610 | ---- | 5 | 14 + | 3 | 168.00B | 36.50A |
| 7090 | 108.75 | 166.25B | 78.50A | ---- | 162.50+ | 6125 | .625 | ---- | 2 | 4 | UNCH | 170.50B | 37.50A |
| 7100 | ---- | 171.75B | 81.50A | ---- | 168.00+ | 6300 | .641 | ---- | ---- | 81 | UNCH | 175.75B | 39.00A |
| 7110 | ---- | 177.25B | 84.75A | ---- | 173.50+ | 6475 | .657 | ---- | ---- | 14 | UNCH | 181.25B | 40.25A |
| 7120 | ---- | 183.25B | 88.25A | ---- | 179.25+ | 6650 | .672 | ---- | ---- | 25 | UNCH | 186.75B | 41.50A |
| 7140 | ---- | 194.75B | 95.25A | ---- | 191.00+ | 6975 | .703 | ---- | ---- | 11 | UNCH | 198.25B | 44.50A |
| 7150 | ---- | 201.75B | 99.00A | ---- | 197.25+ | 7150 | .718 | ---- | ---- | 1 | UNCH | 204.25B | 46.25A |
| 7160 | ---- | 208.25B | 103.00A | ---- | 203.75+ | 7325 | .734 | ---- | ---- | 8 | UNCH | 210.25B | 47.75A |
| 7170 | ---- | 215.00B | 107.25A | ---- | 210.25+ | 7500 | .748 | ---- | ---- | 5 | UNCH | 216.50B | 49.50A |
| 7180 | 131.75 | 221.75B | 111.50A | ---- | 217.00+ | 7650 | .763 | ---- | 6 | 6 + | 2 | 223.00B | 51.50A |
| 7200 | ---- | 228.75B | 120.50A | ---- | 231.25+ | 8025 | .793 | ---- | ---- | 19 | UNCH | 236.50B | 55.00A |
| 7210 | ---- | 236.00B | 125.50A | ---- | 238.50+ | 8175 | .806 | ---- | ---- | 15 | UNCH | 243.50B | 57.00A |
| 7220 | ---- | 243.75B | 138.75A | ---- | 246.00+ | 8350 | .819 | ---- | ---- | 4 | UNCH | 250.50B | 59.25A |
| 7230 | ---- | 252.25B | 144.00A | ---- | 253.75+ | 8500 | .832 | ---- | ---- | 1 | UNCH | 257.75B | 61.50A |
| 7250 | ---- | 267.50B | 155.00A | ---- | 269.75+ | 8825 | .857 | ---- | ---- | 4 | UNCH | 272.75B | 66.50A |
| 7260 | ---- | 275.75B | 161.00A | ---- | 277.75+ | 8950 | .868 | ---- | ---- | 11 | UNCH | 280.50B | 69.25A |
| 7270 | ---- | 284.00B | 167.25A | ---- | 286.25+ | 9100 | .878 | ---- | ---- | 7 | UNCH | 288.25B | 72.00A |
| 7290 | ---- | #301.00B | 180.00A | ---- | 303.50+ | 9375 | .897 | ---- | ---- | 3 | UNCH | 301.00B | 77.75A |
| 7300 | ---- | #309.75B | 186.75A | ---- | 312.25+ | 9475 | .906 | ---- | ---- | 15 | UNCH | 309.75B | 81.00A |
| 7310 | ---- | #318.75B | 193.75A | ---- | 321.00+ | 9575 | .915 | ---- | ---- | 9 | UNCH | 318.75B | 84.25A |
| 7320 | ---- | #327.75B | 201.00A | ---- | 330.00+ | 9675 | .922 | ---- | ---- | 2 | UNCH | 327.75B | 87.75A |
| 7330 | ---- | #336.75B | 208.50A | ---- | 339.00+ | 9775 | .928 | ---- | ---- | 8 | UNCH | 336.75B | 91.50A |
| TOTAL | | | | | | | | | 64 | 973 + | 13 | | |

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*Customer Service: (312) 930-1000*

## FINAL



### E-MINI NASDAQ 100 WEEKLY-4 PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QN4 PUT | | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | |
| 5750 | QN4 PUT ---- | 7.00B | 5.75A | ---- | 7.75+ | 175 | .024 | ---- | ---- | 1 | UNCH | 9.50B | 5.00A |
| 6170 | ---- | 20.75B | 12.25A | ---- | 21.50+ | 675 | .070 | ---- | ---- | 1 | UNCH | 25.00B | 6.50 |
| 6200 | ---- | 22.50B | 13.25A | ---- | 23.00+ | 725 | .075 | ---- | ---- | 24 | UNCH | 26.75B | 12.75A |
| 6300 | ---- | 29.00B | 16.50A | ---- | 29.50+ | 975 | .097 | ---- | ---- | 1 | UNCH | 33.75B | 12.75A |
| 6340 | ---- | 32.00B | 18.00A | ---- | 32.50+ | 1075 | .107 | ---- | ---- | 1 | UNCH | 37.00B | 13.75A |
| 6400 | ---- | 37.50B | 20.75A | ---- | 37.50+ | 1250 | .123 | ---- | ---- | 1 | UNCH | 42.50B | 15.25A |
| 6480 | ---- | 46.25B | 25.25A | ---- | 45.50+ | 1500 | .149 | ---- | ---- | 2 | UNCH | 51.25B | 17.75A |
| 6500 | ---- | 48.75B | 27.00A | ---- | 48.00+ | 1600 | .157 | ---- | ---- | 3 | UNCH | 53.75B | 18.50A |
| 6550 | 38.25 | 55.00B | 30.75A | ---- | 54.25+ | NEW | .177 | ---- | 1 | 1 + | 1 | 60.50B | 20.50A |
| 6730 | ---- | 87.25B | 48.25A | ---- | 85.00+ | 2725 | .271 | ---- | ---- | 1 | UNCH | 92.50B | 28.50A |
| 6780 | 68.75 | 99.00B | 54.75A | ---- | 96.25+ | NEW | .304 | ---- | 2 | 2 + | 2 | 104.00B | 31.75A |
| 6800 | ---- | 104.00B | 57.75A | ---- | 101.25+ | 3200 | .318 | ---- | ---- | 1 | UNCH | 108.75B | 33.00A |
| 6840 | 100.25 | 115.00B | 64.00A | ---- | 111.75+ | NEW | .348 | ---- | 4 | 4 + | 4 | 119.50B | 36.25A |
| 6870 | 108.00 | 123.75B | 69.25A | ---- | 120.00+ | NEW | .372 | ---- | 3 | 3 + | 3 | 128.00B | 38.75A |
| 6880 | 110.75 | 126.50B | 71.00A | ---- | 123.00+ | NEW | .380 | ---- | 4 | 4 + | 4 | 131.00B | 39.75A |
| 6900 | ---- | 133.00B | 75.00A | ---- | 129.25+ | 3950 | .397 | ---- | ---- | 1 | UNCH | 137.25B | 41.50A |
| 7000 | ---- | 169.00B | 97.50A | ---- | 165.50+ | 4975 | .490 | ---- | ---- | 2 | UNCH | 173.00B | 52.75A |
| 7020 | ---- | 177.25B | 102.75A | ---- | 174.00+ | 5200 | .510 | ---- | ---- | 8 | UNCH | 181.25B | 55.50A |
| 7030 | ---- | 181.75B | 105.50A | ---- | 178.50+ | 5350 | .520 | ---- | ---- | 4 | UNCH | 185.50B | 57.00A |
| 7040 | ---- | 185.75B | 108.50A | ---- | 183.00+ | 5475 | .530 | ---- | ---- | 6 | UNCH | 189.75B | 58.25A |
| 7050 | 115.50 | 190.25B | 111.25A | ---- | 187.50+ | 5575 | .540 | ---- | 2 | 10 | UNCH | 194.00B | 59.75A |
| 7060 | ---- | 195.25B | 114.25A | ---- | 192.25+ | 5725 | .551 | ---- | ---- | 6 | UNCH | 198.75B | 61.50A |
| 7070 | ---- | 199.75B | 117.25A | ---- | 197.00+ | 5850 | .561 | ---- | ---- | 8 | UNCH | 203.25B | 63.00A |
| 7080 | 153.25 | 204.25B | 120.50A | ---- | 202.00+ | 5975 | .572 | ---- | 2 | 1 + | 1 | 208.00B | 64.50A |
| 7090 | 151.50 | 209.50B | 123.75A | ---- | 206.75+ | NEW | .583 | ---- | 1 | 1 + | 1 | 212.75B | 66.25A |
| 7100 | ---- | 214.50B | 127.00A | ---- | 211.75+ | 6200 | .593 | ---- | ---- | 5 | UNCH | 217.75B | 67.75A |
| 7110 | ---- | 219.25B | 130.50A | ---- | 217.00+ | 6350 | .604 | ---- | ---- | 4 | UNCH | 222.75B | 69.50A |
| 7120 | ---- | 224.75B | 134.00A | ---- | 222.25+ | 6450 | .615 | ---- | ---- | 4 | UNCH | 226.25B | 71.50A |
| 7150 | ---- | 241.25B | 145.25A | ---- | 238.25+ | 6800 | .648 | ---- | ---- | 4 | UNCH | 242.25B | 77.50A |
| 7170 | ---- | 253.00B | 153.25A | ---- | 249.75+ | 7025 | .671 | ---- | ---- | 4 | UNCH | 253.50B | 81.50A |
| 7180 | ---- | 259.00B | 157.25A | ---- | 255.50+ | 7150 | .682 | ---- | ---- | 2 | UNCH | 259.25B | 83.75A |
| 7190 | ---- | 264.50B | 161.50A | ---- | 261.50+ | 7250 | .693 | ---- | ---- | 4 | UNCH | 265.25B | 86.00A |
| 7200 | ---- | 271.25B | 166.00A | ---- | 267.75+ | 7375 | .704 | ---- | ---- | 5 | UNCH | 271.25B | 88.50A |
| 7210 | ---- | 277.50B | 170.50A | ---- | 274.00+ | 7500 | .715 | ---- | ---- | 4 | UNCH | 277.50B | 91.00A |
| 7220 | ---- | #284.00B | 175.25A | ---- | 280.50+ | 7625 | .726 | ---- | ---- | 4 | UNCH | 284.00B | 93.50A |
| 7240 | ---- | 289.75B | 185.00A | ---- | 293.75+ | 7850 | .748 | ---- | ---- | 15 | UNCH | 296.75B | 98.75A |
| 7250 | ---- | 296.75B | 197.25A | ---- | 300.50+ | 7950 | .758 | ---- | ---- | 5 | UNCH | 303.25B | 101.75A |
| 7270 | ---- | 311.00B | 207.75A | ---- | 314.75+ | 8200 | .778 | ---- | ---- | 8 | UNCH | 317.00B | 107.50A |
| 7290 | ---- | 325.75B | 219.00A | ---- | 329.50+ | 8425 | .798 | ---- | ---- | 4 | UNCH | 331.25B | 113.75A |
| TOTAL | | | | | | | | | 19 | 169 + | 16 | | |
| SEP18 | | | | | | | | | | | | | |
| 4120 | 2.55 | 2.55 | 2.40A | ---- | 2.75+ | 40 | .005 | ---- | 5 | 108 | UNCH | 50.00B | 2.30A |
| 4150 | ---- | ---- | ---- | ---- | 2.90+ | 45 | .005 | ---- | ---- | 2 | UNCH | 52.00B | 2.40A |
| 4200 | ---- | ---- | ---- | ---- | 3.15+ | 50 | .005 | ---- | ---- | 3 | UNCH | 55.50B | 2.25 |
| 4210 | ---- | ---- | ---- | ---- | 3.20+ | 50 | .006 | ---- | ---- | 2 | UNCH | 56.25B | 2.60A |
| 4490 | ---- | ---- | 4.00A | ---- | 5.00+ | 90 | .009 | ---- | ---- | 4 | UNCH | 79.00B | 3.50A |
| 4500 | ---- | ---- | 4.05A | ---- | 5.25+ | 110 | .010 | ---- | ---- | 82 | UNCH | 79.75B | 3.55A |
| 4600 | ---- | 4.95B | 4.65A | ---- | 6.00+ | 115 | .011 | ---- | ---- | 5 | UNCH | 91.50B | 4.05A |
| 4750 | ---- | 6.25B | ---- | ---- | 7.50+ | 150 | .014 | ---- | ---- | 30 | UNCH | 108.50B | 4.95A |
| 4800 | ---- | 7.00B | 6.25A | ---- | 8.25+ | 175 | .016 | ---- | ---- | 16 | UNCH | 115.75B | 5.50A |
| 4850 | ---- | 7.50B | 6.75A | ---- | 9.00+ | 200 | .017 | ---- | ---- | 9 | UNCH | 123.25B | 5.75A |
| 4900 | ---- | 8.50B | *7.25A | ---- | 9.75+ | 200 | .019 | ---- | ---- | 3 | UNCH | 131.00B | 7.25A |
| 5000 | ---- | 10.00B | 8.50A | ---- | 11.25+ | 225 | .022 | ---- | ---- | 215 | UNCH | 148.00B | 6.75 |
| 5040 | ---- | 10.75B | 9.00A | ---- | 12.00+ | 250 | .023 | ---- | ---- | 1 | UNCH | 160.00 | 7.50A |
| 5050 | ---- | 11.00B | 9.00A | ---- | 12.25+ | 250 | .024 | ---- | ---- | 21 | UNCH | 157.25B | 7.50A |
| 5090 | ---- | 11.75B | 9.75A | ---- | 13.00+ | 275 | .025 | ---- | ---- | 2 | UNCH | 165.00B | 8.00A |
| 5100 | ---- | 12.00B | 9.75A | ---- | 13.25+ | 275 | .026 | ---- | ---- | 5 | UNCH | 167.00B | 8.00A |
| 5150 | ---- | 13.25B | 10.50A | ---- | 14.25+ | 300 | .028 | ---- | ---- | 10 | UNCH | 177.25B | 8.75A |
| 5190 | ---- | 14.00B | 11.25A | ---- | 15.25+ | 325 | .030 | ---- | ---- | 4 | UNCH | 185.75B | 9.00A |
| 5200 | ---- | 14.25B | 11.25A | ---- | 15.50+ | 325 | .031 | ---- | ---- | 2 | UNCH | 188.00B | 9.25A |
| 5220 | ---- | 14.75B | 11.75A | ---- | 16.00+ | 350 | .032 | ---- | ---- | 7 | UNCH | 192.50B | 9.50A |
| 5250 | ---- | 15.50B | 12.25A | ---- | 16.75+ | 350 | .033 | ---- | ---- | 67 | UNCH | 199.25B | 10.00A |
| 5300 | ---- | 17.00B | 13.25A | ---- | 18.00+ | 375 | .036 | ---- | ---- | 3 | UNCH | 211.25B | 10.50A |
| 5310 | ---- | 17.25B | 13.25A | ---- | 18.25+ | 375 | .036 | ---- | ---- | 1 | UNCH | 213.75B | 10.75A |
| 5400 | ---- | 20.25B | 15.25A | ---- | 21.25+ | 475 | .043 | ---- | ---- | 26 | UNCH | 237.00B | 12.00A |
| 5430 | ---- | 21.25B | 16.00A | ---- | 22.25+ | 475 | .045 | ---- | ---- | 1 | UNCH | 245.00B | 12.50A |
| 5450 | ---- | 22.00B | 16.50A | ---- | 23.00+ | 500 | .046 | ---- | ---- | 23 | UNCH | 250.50B | 12.75A |
| 5480 | ---- | 23.25B | 17.25A | ---- | 24.00+ | 525 | .048 | ---- | ---- | 63 | UNCH | 259.25B | 13.25A |
| 5490 | ---- | 23.75B | 17.50A | ---- | 24.50+ | 550 | .049 | ---- | ---- | 1 | UNCH | 262.00B | 13.50A |
| 5500 | 18.00 | 25.00B | 17.75A | ---- | 24.75+ | 525 | .050 | ---- | 2 | 463 + | 2 | 265.00B | 13.25 |
| 5510 | ---- | 24.50B | 18.00A | ---- | 25.25+ | 550 | .051 | ---- | ---- | 23 | UNCH | 268.00B | 14.00A |
| 5550 | ---- | 26.00B | 19.00A | ---- | 26.75+ | 575 | .054 | ---- | ---- | 5 | UNCH | 280.25B | 14.75A |
| 5560 | ---- | 26.50B | 19.50A | ---- | 27.25+ | 600 | .055 | ---- | ---- | 4 | UNCH | 283.25B | 14.75A |
| 5580 | ---- | 27.25B | 20.00A | ---- | 28.25+ | 625 | .057 | ---- | ---- | 1 | UNCH | 289.75B | 15.25A |
| 5600 | ---- | 28.25B | 20.50A | ---- | 29.00+ | 625 | .059 | ---- | ---- | 42 | UNCH | 296.25B | 15.75A |
| 5610 | ---- | 28.75B | 21.00A | ---- | 29.50+ | 650 | .060 | ---- | ---- | 1 | UNCH | 299.50B | 15.75A |
| 5660 | ---- | 31.25B | 22.50A | ---- | 32.00+ | 700 | .065 | ---- | ---- | 2 | UNCH | 316.25B | 17.00A |
| 5670 | ---- | 31.75B | 23.00A | ---- | 32.50+ | 725 | .066 | ---- | ---- | 84 | UNCH | 319.75B | 17.25A |
| 5700 | ---- | 33.50B | 24.00A | ---- | 34.25+ | 775 | .069 | ---- | ---- | 254 | UNCH | 330.25B | 14.00 |
| 5710 | 34.50 | 34.50 | 24.50A | ---- | 34.75+ | NEW | .070 | ---- | 1 | 1 + | 1 | 334.00B | 18.25A |
| 5750 | ---- | 36.25B | 26.00A | ---- | 37.00+ | 825 | .075 | ---- | ---- | 12 | UNCH | 348.75B | 19.25A |
| 5800 | 32.00 | 39.50B | 28.00A | ---- | 40.25+ | 925 | .081 | ---- | 10 | 126 - | 10 | 368.75B | 20.25 |
| 5820 | ---- | 40.75B | 29.00A | ---- | 41.50+ | 950 | .084 | ---- | ---- | 2 | UNCH | 376.75B | 21.25A |
| 5850 | ---- | 43.00B | 30.25A | ---- | 43.75+ | 1025 | .088 | ---- | ---- | 3 | UNCH | 388.00B | 22.00A |
| 5860 | ---- | 43.50B | 30.75A | ---- | 44.50+ | 1050 | .090 | ---- | ---- | 11 | UNCH | 393.00B | 22.50A |
| 5890 | ---- | 45.75B | 32.25A | ---- | 46.50+ | 1075 | .094 | ---- | ---- | 3 | UNCH | 404.75B | 23.25A |
| 5900 | 42.50 | 46.75B | 32.75A | ---- | 47.50+ | 1125 | .096 | ---- | 2 | 416 + | 2 | 409.75B | 23.75A |
| 5920 | ---- | 48.50B | 33.75A | ---- | 49.00+ | 1150 | .099 | ---- | ---- | 1 | UNCH | 417.75B | 24.50A |
| 5930 | ---- | 49.25B | 34.25A | ---- | 49.75+ | 1175 | .100 | ---- | ---- | 36 | UNCH | 423.00B | 24.75A |
| 5960 | ---- | 51.50B | 36.00A | ---- | 52.25+ | 1225 | .105 | ---- | ---- | 1 | UNCH | 436.25B | 25.75A |
| 5990 | ---- | 54.00B | 37.75A | ---- | 54.75+ | 1275 | .110 | ---- | ---- | 12 | UNCH | 450.00B | 27.00A |
| 6000 | 40.00 | 55.00 | 38.25A | ---- | 55.75+ | 1300 | .112 | ---- | 314 | 361 - | 177 | 454.75B | 27.50 |
| 6010 | ---- | 56.00B | 39.00A | ---- | 56.75+ | 1350 | .114 | ---- | 2 | 1 - | 2 | 459.50B | 27.75A |
| 6030 | ---- | 57.75B | 40.25A | ---- | 58.50+ | 1375 | .118 | ---- | ---- | 4 | UNCH | 469.00B | 28.75A |
| 6040 | ---- | 58.75B | 40.75A | ---- | 59.50+ | 1400 | .120 | ---- | ---- | 1 | UNCH | 474.00B | 29.00A |
| 6050 | ---- | 59.50B | 41.50A | ---- | 60.50+ | 1425 | .122 | ---- | ---- | 3 | UNCH | 478.75B | 29.50A |
| 6100 | ---- | 65.00B | 45.00A | ---- | 65.50+ | 1550 | .132 | ---- | ---- | 48 | UNCH | 503.50B | 28.00 |
| 6110 | ---- | 66.00B | 45.75A | ---- | 66.50+ | 1550 | .134 | ---- | 2 | ---- | 2 | 508.75B | 32.25A |
| 6120 | ---- | 67.25B | 46.50A | ---- | 67.75+ | 1600 | .136 | ---- | ---- | 1 | UNCH | 513.75B | 32.75A |
| 6150 | ---- | 70.75B | 48.75A | ---- | 71.00+ | 1675 | .142 | ---- | ---- | 18 | UNCH | 529.50B | 34.25A |
| 6200 | 62.25 | 76.75B | 52.75A | ---- | 76.75+ | 1775 | .154 | ---- | 1 | 190 - | 1 | 556.75B | 37.00A |
| 6220 | ---- | 79.50B | 54.50A | ---- | 79.25+ | 1850 | .158 | ---- | ---- | 30 | UNCH | 568.00B | 38.25A |
| 6230 | ---- | 80.50B | 55.50A | ---- | 80.75+ | 1900 | .161 | ---- | ---- | 2 | UNCH | 573.50B | 38.75A |
| 6240 | ---- | 81.25B | 56.25A | ---- | 82.00+ | 1900 | .164 | ---- | ---- | 1 | UNCH | 579.25B | 39.50A |
| 6250 | ---- | 82.50B | 57.25A | ---- | 83.25+ | 1925 | .166 | ---- | 300 | 146 - | 188 | 584.75B | 40.00A |
| 6260 | ---- | 84.00B | 58.25A | ---- | 84.50+ | 1950 | .168 | ---- | ---- | 31 | UNCH | 590.75B | 40.75A |
| 6270 | ---- | 85.75B | 59.00A | ---- | 86.00+ | 2000 | .171 | ---- | ---- | 300 | UNCH | 596.50B | 41.25A |
| 6280 | ---- | 86.75B | 60.00A | ---- | 87.25+ | 2000 | .174 | ---- | ---- | 1 | UNCH | 602.50B | 42.00A |
| 6290 | ---- | 88.25B | 61.00A | ---- | 88.75+ | 2050 | .177 | ---- | ---- | 4 | UNCH | 608.25B | 42.75A |
| 6300 | 71.75 | 89.50B | 62.00A | ---- | 90.00+ | 2050 | .179 | ---- | 36 | 488 + | 31 | 614.25B | 42.75 |
| 6310 | ---- | 91.75B | 63.00A | ---- | 91.50+ | 2100 | .182 | ---- | ---- | 2 | UNCH | 620.25B | 44.00A |
| 6320 | ---- | 93.25B | 64.00A | ---- | 93.00+ | 2125 | .185 | ---- | ---- | 54 | UNCH | 626.25B | 44.75A |
| 6330 | ---- | 94.50B | 65.25A | ---- | 94.50+ | 2175 | .188 | ---- | ---- | 1 | UNCH | 632.25B | 45.50A |
| 6350 | ---- | 97.00B | 67.25A | ---- | 97.50+ | 2225 | .193 | ---- | 21 | 69 + | 21 | 644.50B | 47.00A |
| 6360 | ---- | 99.25B | 68.50A | ---- | 99.00+ | 2250 | .196 | ---- | ---- | 8 | UNCH | 651.00B | 47.75A |
| 6380 | ---- | 102.50B | 70.75A | ---- | 102.25+ | 2325 | .202 | ---- | ---- | 5 | UNCH | 663.50B | 49.25A |
| 6390 | ---- | 104.00B | 71.75A | ---- | 103.75+ | 2325 | .205 | ---- | ---- | 5 | UNCH | 670.00B | 50.00A |
| 6400 | ---- | 105.50B | 73.00A | ---- | 105.50+ | 2375 | .208 | ---- | ---- | 311 | UNCH | 676.25B | 50.75A |
| 6410 | ---- | 107.25B | 74.25A | ---- | 107.25+ | 2425 | .211 | ---- | ---- | 4 | UNCH | 682.75B | 51.75A |
| 6420 | ---- | 109.00B | 75.50A | ---- | 108.75+ | 2425 | .214 | ---- | ---- | 5 | UNCH | 689.25B | 52.50A |
| 6430 | ---- | 110.75B | 76.75A | ---- | 110.50+ | 2475 | .218 | ---- | ---- | 15 | UNCH | 695.75B | 53.25A |
| 6450 | ---- | 114.25B | 79.25A | ---- | 114.25+ | 2550 | .224 | ---- | ---- | 274 | UNCH | 709.00B | 55.00A |
| 6460 | 110.00 | 116.00B | 80.50A | ---- | 116.00+ | NEW | .228 | ---- | 1 | 1 + | 1 | 715.75B | 56.00A |
| 6470 | ---- | 118.00B | 81.75A | ---- | 117.75+ | 2625 | .231 | ---- | ---- | 2 | UNCH | 722.25B | 56.75A |
| 6480 | ---- | 119.75B | 83.25A | ---- | 119.75+ | 2675 | .235 | ---- | ---- | 2 | UNCH | 729.00B | 57.75A |
| 6490 | ---- | 121.50B | 84.50A | ---- | 121.50+ | 2675 | .238 | ---- | ---- | 1 | UNCH | 736.00B | 58.75A |
| 6500 | 100.00 | 123.75B | 85.75A | ---- | 123.50+ | 2725 | .242 | ---- | 37 | 608 + | 24 | 742.50B | 59.00 |
| 6520 | ---- | 127.50B | 88.75A | ---- | 127.25+ | 2800 | .249 | ---- | ---- | 98 | UNCH | 756.50B | 61.25 |
| 6530 | ---- | 129.75B | 90.25A | ---- | 129.50+ | 2850 | .253 | ---- | ---- | 5 | UNCH | 763.50B | 62.75A |
| 6550 | 110.75 | 134.00B | 93.25A | ---- | 133.50+ | 2925 | .260 | ---- | 6 | 1236 | UNCH | 777.75B | 64.75A |
| 6560 | ---- | 136.00B | 94.75A | ---- | 135.50+ | 2950 | .264 | ---- | ---- | 1 | UNCH | 784.75B | 65.75A |
| 6580 | ---- | 140.50B | 98.00A | ---- | 140.00+ | 3050 | .272 | ---- | ---- | 19 | UNCH | 799.25B | 68.00A |
| 6590 | ---- | 142.50B | 99.50A | ---- | 142.00+ | 3075 | .275 | ---- | ---- | 4 | UNCH | 806.50B | 69.00A |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6600 | 140.00 | 144.75B | 101.25A | ---- | 144.25+ | 3125 | .279 | ---- | 2 | 144 + | 2 | 813.50B | 69.00 |
| 6610 | ---- | 147.25B | 103.00A | ---- | 146.50+ | 3150 | .283 | ---- | 75 | 80 + | 75 | 821.00B | 71.25A |
| 6620 | ---- | 149.75B | 104.50A | ---- | 149.00+ | 3225 | .288 | ---- | ---- | 16 | UNCH | 828.25B | 72.50A |
| 6630 | ---- | 152.00B | 106.25A | ---- | 151.25+ | 3250 | .292 | ---- | ---- | 2 | UNCH | 835.75B | 73.50A |
| 6640 | ---- | 155.00B | 108.00A | ---- | 153.75+ | 3325 | .296 | ---- | ---- | 1 | UNCH | 843.25B | 74.75A |
| 6650 | 150.00 | 157.50B | 109.75A | ---- | 156.00+ | 3350 | .300 | ---- | 1 | 48 | UNCH | 850.75B | 74.25A |
| 6660 | 150.00 | 160.00B | 111.75A | ---- | 158.50+ | 3400 | .304 | ---- | 1 | 17 + | 1 | 858.50B | 77.25A |
| 6670 | ---- | 162.50B | 113.50A | ---- | 161.00+ | 3450 | .309 | ---- | ---- | 1 | UNCH | 866.00B | 78.50A |
| 6680 | 125.00 | 165.00B | 115.50A | ---- | 163.50+ | 3475 | .313 | ---- | 1 | 98 | UNCH | 873.75B | 79.75A |
| 6700 | 135.00 | 170.00B | 119.25A | ---- | 168.75+ | 3600 | .322 | ---- | 12 | 199 - | 2 | 889.00B | 80.75 |
| 6710 | ---- | 172.75B | 121.25A | ---- | 171.25+ | 3625 | .327 | ---- | 2 | 8 - | 2 | 896.75B | 83.75A |
| 6720 | ---- | 175.50B | 123.25A | ---- | 174.00+ | 3675 | .331 | ---- | ---- | 1 | UNCH | 904.50B | 85.00A |
| 6730 | ---- | 178.25B | 125.25A | ---- | 176.75+ | 3725 | .336 | ---- | ---- | 9 | UNCH | 912.50B | 86.50A |
| 6740 | ---- | 181.00B | 127.25A | ---- | 179.50+ | 3775 | .341 | ---- | ---- | 24 | UNCH | 920.25B | 87.75A |
| 6750 | 160.00 | 183.75B | 129.50A | ---- | 182.25+ | 3825 | .345 | ---- | 71 | 91 + | 42 | 928.25B | 84.00 |
| 6760 | ---- | 186.50B | 131.50A | ---- | 185.00+ | 3875 | .350 | ---- | ---- | 18 | UNCH | 936.25B | 90.75A |
| 6770 | ---- | 189.50B | 133.75A | ---- | 188.00+ | 3950 | .355 | ---- | ---- | 99 | UNCH | 944.25B | 91.00 |
| 6780 | ---- | 192.50B | 135.75A | ---- | 191.00+ | 4000 | .360 | ---- | ---- | 10 | UNCH | 952.25B | 93.75A |
| 6800 | 175.50 | 198.50B | 140.25A | ---- | 197.00+ | 4100 | .370 | ---- | 42 | 340 + | 36 | 968.50B | 95.00 |
| 6810 | ---- | 201.25B | 142.75A | ---- | 200.00+ | 4150 | .375 | ---- | ---- | 4 | UNCH | 976.75B | 98.50A |
| 6820 | ---- | 204.50B | 145.00A | ---- | 203.00+ | 4200 | .380 | ---- | ---- | 16 | UNCH | 985.00B | 100.25A |
| 6830 | ---- | 207.75B | 147.25A | ---- | 206.25+ | 4275 | .385 | ---- | ---- | 36 | UNCH | 993.25B | 101.75A |
| 6840 | ---- | 210.75B | 149.75A | ---- | 209.50+ | 4325 | .391 | ---- | ---- | 4 | UNCH | 1,001.50B | 103.50A |
| 6850 | ---- | 214.25B | 152.25A | ---- | 212.75+ | 4375 | .396 | ---- | ---- | 193 | UNCH | 1,010.00B | 105.25A |
| 6860 | ---- | 217.25B | 154.75A | ---- | 216.00+ | 4450 | .401 | ---- | ---- | 2 | UNCH | 1,018.25B | 107.00A |
| 6870 | ---- | 220.75B | 157.25A | ---- | 219.25+ | 4500 | .407 | ---- | ---- | 14 | UNCH | 1,026.50B | 108.75A |
| 6880 | ---- | 224.25B | 159.75A | ---- | 222.75+ | 4550 | .412 | ---- | ---- | 29 | UNCH | 1,035.00B | 110.50A |
| 6890 | 208.00 | 227.75B | 162.50A | ---- | 226.00+ | 4600 | .418 | ---- | 1 | 9 + | 1 | 1,043.50B | 112.25A |
| 6900 | 187.50 | 231.25B | 165.00A | ---- | 229.50+ | 4650 | .423 | ---- | 10 | 321 + | 3 | 1,052.00B | 114.25A |
| 6910 | ---- | 234.75B | 167.75A | ---- | 233.00+ | 4725 | .429 | ---- | ---- | 13 | UNCH | 1,060.75B | 116.00A |
| 6920 | ---- | 238.50B | 170.50A | ---- | 236.75+ | 4800 | .435 | ---- | ---- | 5 | UNCH | 1,069.25B | 118.00A |
| 6930 | ---- | 242.00B | 173.25A | ---- | 240.25+ | 4850 | .440 | ---- | ---- | 9 | UNCH | 1,077.75B | 120.00A |
| 6940 | ---- | 245.75B | 176.25A | ---- | 244.00+ | 4900 | .446 | ---- | ---- | 14 | UNCH | 1,086.50B | 122.00A |
| 6950 | 244.75 | 249.75B | 179.00A | ---- | 247.75+ | 4975 | .452 | ---- | 5 | 117 + | 1 | 1,095.25B | 124.00A |
| 6960 | ---- | 253.50B | 182.00A | ---- | 251.50+ | 5025 | .458 | ---- | ---- | 10 | UNCH | 1,104.00B | 126.00A |
| 6970 | ---- | 257.50B | 185.00A | ---- | 255.50+ | 5100 | .464 | ---- | ---- | 1 | UNCH | 1,112.75B | 128.25A |
| 6980 | ---- | 261.25B | 188.00A | ---- | 259.25+ | 5150 | .470 | ---- | ---- | 3 | UNCH | 1,121.50B | 130.25A |
| 6990 | 261.25 | 265.25B | 191.00A | ---- | 263.25+ | 5225 | .476 | ---- | 4 | 10 + | 4 | 1,130.25B | 132.50A |
| 7000 | 225.00 | 270.00 | 194.00A | ---- | 267.25+ | 5275 | .482 | ---- | 144 | 519 + | 93 | 1,139.25B | 134.00 |
| 7010 | ---- | 273.50B | 197.25A | ---- | 271.25+ | 5350 | .488 | ---- | 4 | 36 - | 4 | 808.50B | 136.75A |
| 7020 | 200.75 | 277.75B | 200.50A | ---- | 275.50+ | 5425 | .494 | ---- | 1 | 16 + | 1 | 815.50B | 139.00A |
| 7030 | 266.00 | 282.00B | 203.75A | ---- | 279.75+ | 5475 | .500 | ---- | 4 | 7 + | 4 | 822.25B | 141.25A |
| 7040 | ---- | 286.50B | 207.00A | ---- | 283.75+ | 5525 | .506 | ---- | ---- | 10 | UNCH | 829.25B | 143.75A |
| 7050 | 270.00 | 290.75B | 210.50A | ---- | 288.25+ | 5600 | .513 | ---- | 25 | 116 - | 25 | 808.75B | 146.00A |
| 7060 | ---- | 295.00B | 213.75A | ---- | 292.50+ | 5675 | .519 | ---- | ---- | 12 | UNCH | 816.00B | 148.50A |
| 7070 | 240.00 | 299.50B | 217.25A | ---- | 297.00+ | 5750 | .525 | ---- | 2 | 489 | UNCH | 823.50B | 150.75A |
| 7080 | 240.75 | 304.50B | 221.00A | ---- | 301.50+ | 5800 | .532 | ---- | 1 | 8 | UNCH | 831.00B | 153.25A |
| 7090 | ---- | 308.75B | 224.50A | ---- | 306.00+ | 5875 | .538 | ---- | ---- | 1 | UNCH | 838.25B | 156.00A |
| 7100 | 294.00 | 313.75B | 228.00 | ---- | 310.50+ | 5925 | .545 | ---- | 3 | 236 - | 1 | 845.75B | 158.00 |
| 7110 | ---- | 318.50B | 231.75A | ---- | 315.25+ | 6000 | .551 | ---- | ---- | 10 | UNCH | 853.25B | 161.00A |
| 7120 | ---- | 323.25B | 235.50A | ---- | 320.00+ | 6075 | .558 | ---- | ---- | 8 | UNCH | 861.00B | 163.75A |
| 7130 | 259.00 | 328.00B | 239.50A | ---- | 324.75+ | 6125 | .564 | ---- | 1 | 3 | UNCH | 868.50B | 166.50A |
| 7140 | ---- | 333.00B | 243.25A | ---- | 329.75+ | 6225 | .571 | ---- | ---- | 9 | UNCH | 876.25B | 169.25A |
| 7150 | 255.00 | 338.25B | 247.25A | ---- | 334.50+ | 6275 | .578 | ---- | 1 | 419 | UNCH | 884.00B | 172.00A |
| 7160 | ---- | 343.00B | 251.25A | ---- | 339.75+ | 6350 | .584 | ---- | ---- | 10 | UNCH | 891.75B | 175.00A |
| 7170 | ---- | 348.25B | 255.50A | ---- | 344.75+ | 6425 | .591 | ---- | ---- | 16 | UNCH | 899.50B | 178.00A |
| 7180 | ---- | 353.50B | 259.50A | ---- | 349.75+ | 6475 | .598 | ---- | ---- | 5 | UNCH | 907.25B | 180.75A |
| 7190 | ---- | 358.75B | 263.75A | ---- | 355.00+ | 6550 | .605 | ---- | ---- | 48 | UNCH | 915.25B | 184.00A |
| 7200 | 296.25 | 364.00B | 268.00A | ---- | 360.50+ | 6650 | .611 | ---- | 16 | 238 - | 16 | 923.00B | 175.00 |
| 7210 | ---- | 369.25B | 272.50A | ---- | 365.75+ | 6700 | .618 | ---- | ---- | 26 | UNCH | 931.00B | 190.00A |
| 7220 | ---- | 374.75B | 276.75A | ---- | 371.25+ | 6775 | .625 | ---- | ---- | 27 | UNCH | 939.00B | 193.25A |
| 7230 | ---- | 380.50B | 281.25A | ---- | 376.75+ | 6850 | .632 | ---- | ---- | 14 | UNCH | 947.00B | 196.50A |
| 7240 | ---- | 385.75B | 285.75A | ---- | 382.25+ | 6900 | .638 | ---- | ---- | 24 | UNCH | 955.00B | 200.00A |
| 7250 | ---- | 392.00B | 290.50A | ---- | 388.00+ | 6975 | .645 | ---- | ---- | 116 | UNCH | 963.25B | 203.25A |
| 7260 | ---- | 397.75B | 295.25A | ---- | 393.75+ | 7050 | .652 | ---- | ---- | 19 | UNCH | 971.25B | 206.75A |
| 7270 | ---- | 403.50B | 300.00A | ---- | 399.50+ | 7125 | .659 | ---- | ---- | 14 | UNCH | 979.50B | 210.25A |
| 7280 | 318.25 | 409.50B | 304.75A | ---- | 405.50+ | 7200 | .666 | ---- | 1 | 20 - | 1 | 987.75B | 213.75A |
| 7290 | ---- | 415.50B | 309.75A | ---- | 411.50+ | 7275 | .673 | ---- | ---- | 28 | UNCH | 996.00B | 217.50A |
| 7300 | ---- | 421.25B | 314.75A | ---- | 417.50+ | 7350 | .679 | ---- | ---- | 34 | UNCH | 1,004.25B | 220.00 |
| 7310 | ---- | 427.75B | 319.75A | ---- | 423.50+ | 7400 | .686 | ---- | 2 | 21 | UNCH | 1,012.50B | 224.75A |
| 7320 | ---- | 433.75B | 325.00A | ---- | 429.75+ | 7475 | .693 | ---- | ---- | 6 | UNCH | 1,021.00B | 228.75A |
| 7330 | ---- | 440.00B | 332.25A | ---- | 436.00+ | 7550 | .700 | ---- | ---- | 19 | UNCH | 1,029.25B | 231.50 |
| 7340 | ---- | 446.75B | 337.50A | ---- | 442.50+ | 7625 | .706 | ---- | ---- | 4 | UNCH | 1,037.75B | 236.50A |
| 7350 | ---- | 453.25B | 343.00A | ---- | 449.00+ | 7700 | .713 | ---- | ---- | 19 | UNCH | 1,046.25B | 240.50A |
| 7360 | ---- | 455.75B | 351.00A | ---- | 455.50+ | 7775 | .720 | ---- | ---- | 4 | UNCH | 1,054.75B | 244.50A |
| 7380 | ---- | 469.75B | 362.50A | ---- | 468.75+ | 7925 | .733 | ---- | ---- | 5 | UNCH | 1,072.00B | 253.00A |
| 7390 | ---- | 475.75B | 368.25A | ---- | 475.50+ | 7975 | .740 | ---- | ---- | 1 | UNCH | 1,080.50B | 257.25A |
| 7500 | ---- | 545.00B | 437.50A | ---- | 555.25+ | 8725 | .808 | ---- | ---- | 53 | UNCH | 1,177.25B | 311.25A |
| 7700 | ---- | 711.50B | 591.75A | ---- | 721.50+ | 9725 | .904 | ---- | ---- | 1 | UNCH | 1,361.50B | 439.50A |
| TOTAL | | | | | | | | | 1172 | 11266 - | 86 | | |
| DEC18 | | | | | | | | | | | | | |
| 4350 | ---- | 13.25B | ---- | ---- | 15.75+ | 275 | .021 | ---- | ---- | 120 | UNCH | 56.50B | 10.00A |
| 4370 | ---- | 13.75B | ---- | ---- | 16.00+ | 275 | .021 | ---- | ---- | 1 | UNCH | 58.25B | 14.50A |
| 4380 | ---- | 13.75B | ---- | ---- | 16.25+ | 275 | .022 | ---- | ---- | 10 | UNCH | 59.00B | 14.75A |
| 4440 | ---- | 15.25B | *14.50A | ---- | 17.75+ | 300 | .024 | ---- | ---- | 33 | UNCH | 68.00B | 14.50A |
| 4450 | ---- | 15.50B | ---- | ---- | 18.00+ | 325 | .024 | ---- | ---- | 30 | UNCH | 69.00B | 16.00A |
| 4500 | ---- | 16.50B | ---- | ---- | 19.00+ | 325 | .026 | ---- | ---- | 32 | UNCH | 73.50B | 16.25A |
| 4510 | ---- | 16.75B | 15.75A | ---- | 19.25+ | 325 | .026 | ---- | ---- | 2 | UNCH | 125.00 | 14.00A |
| 4600 | ---- | 19.00B | 17.75A | ---- | 21.75+ | 375 | .030 | ---- | ---- | 254 | UNCH | 117.50B | 15.00 |
| 4610 | ---- | 19.50B | 18.00A | ---- | 22.00+ | 375 | .030 | ---- | ---- | 20 | UNCH | 119.00B | 15.75A |
| 4640 | ---- | 20.25B | 18.50A | ---- | 22.75+ | 375 | .031 | ---- | ---- | 15 | UNCH | 122.50B | 15.75A |
| 4700 | ---- | 22.00B | 20.00A | ---- | 24.75+ | 425 | .034 | ---- | ---- | 16 | UNCH | 130.00B | 16.75A |
| 4750 | ---- | 23.75B | 21.25A | ---- | 26.25+ | 450 | .036 | ---- | ---- | 25 | UNCH | 136.75B | 17.75A |
| 4800 | ---- | 25.50B | 22.50A | ---- | 28.00+ | 475 | .038 | ---- | ---- | 25 | UNCH | 143.50B | 17.75A |
| 4850 | ---- | 27.25B | 24.00A | ---- | 29.75+ | 500 | .041 | ---- | ---- | 15 | UNCH | 150.50B | 19.75A |
| 4900 | ---- | 29.00B | 25.50A | ---- | 31.75+ | 550 | .044 | ---- | ---- | 51 | UNCH | 158.00B | 20.50 |
| 4950 | ---- | 31.25B | 27.00A | ---- | 33.75+ | 575 | .046 | ---- | ---- | 21 | UNCH | 165.75B | 22.00A |
| 5000 | ---- | 33.25B | 28.75A | ---- | 36.00+ | 625 | .050 | ---- | ---- | 249 | UNCH | 194.00 | 21.75 |
| 5050 | 33.00 | 35.75B | 30.50A | ---- | 38.25+ | 650 | .053 | ---- | 1 | 3 + | 1 | 182.50B | 24.50A |
| 5060 | 41.00 | 41.00 | 30.75A | ---- | 38.75+ | 675 | .054 | ---- | 1 | 8 + | 1 | 184.25B | 24.75A |
| 5180 | ---- | 42.50B | 35.75A | ---- | 45.00+ | 775 | .062 | ---- | ---- | 5 | UNCH | 206.00B | 28.25A |
| 5200 | ---- | 43.75B | 36.50A | ---- | 46.00+ | 775 | .064 | ---- | ---- | 90 | UNCH | 209.50B | 28.00 |
| 5230 | ---- | 45.50B | 38.00A | ---- | 47.75+ | 800 | .066 | ---- | ---- | 1 | UNCH | 215.25B | 29.75A |
| 5250 | ---- | 46.50B | 38.75A | ---- | 49.00+ | 825 | .068 | ---- | ---- | 68 | UNCH | 219.25B | 30.50A |
| 5300 | ---- | 49.75B | 41.25A | ---- | 52.00+ | 850 | .072 | ---- | ---- | 25 | UNCH | 229.25B | 32.25A |
| 5360 | ---- | 53.75B | 44.25A | ---- | 56.00+ | 925 | .078 | ---- | ---- | 1 | UNCH | 243.25B | 34.25A |
| 5400 | ---- | 56.75B | 46.50A | ---- | 58.75+ | 975 | .081 | ---- | 2 | 4 + | 2 | 251.25B | 35.00 |
| 5500 | ---- | 64.50B | 52.50A | ---- | 66.50+ | 1100 | .092 | ---- | ---- | 79 | UNCH | 274.00B | 40.25A |
| 5590 | ---- | 72.25B | 58.50A | ---- | 74.00+ | 1200 | .102 | ---- | ---- | 1 | UNCH | 297.25B | 44.75A |
| 5700 | ---- | 82.75B | 66.75A | ---- | 84.50+ | 1375 | .117 | ---- | ---- | 76 | UNCH | 332.75B | 50.75A |
| 5740 | ---- | 87.00B | 70.00A | ---- | 88.75+ | 1425 | .122 | ---- | ---- | 1 | UNCH | 343.50B | 53.25A |
| 5750 | ---- | 88.00B | 71.00A | ---- | 89.75+ | 1450 | .124 | ---- | ---- | 3 | UNCH | 347.50B | 53.75A |
| 5800 | 79.75 | 93.75B | 75.25A | ---- | 95.25+ | 1525 | .131 | ---- | 3 | 200 - | 3 | 362.50B | 57.00A |
| 5900 | ---- | 105.75B | 84.75A | ---- | 107.25+ | 1725 | .147 | ---- | ---- | 6 | UNCH | 393.75B | 64.00A |
| 5940 | ---- | 111.00B | 88.75A | ---- | 112.50+ | 1800 | .154 | ---- | ---- | 2 | UNCH | 407.25B | 67.00A |
| 6000 | 98.00 | 119.25B | 94.00 | ---- | 120.75+ | 1925 | .165 | ---- | 4 | 322 - | 2 | 429.00B | 72.00A |
| 6030 | ---- | 123.75B | 98.75A | ---- | 125.00+ | 2000 | .171 | ---- | ---- | 6 | UNCH | 440.25B | 74.75A |
| 6050 | ---- | 126.75B | 101.25A | ---- | 128.00+ | 2050 | .175 | ---- | ---- | 1 | UNCH | 447.00B | 76.50A |
| 6100 | ---- | 134.50B | 107.25A | ---- | 135.75+ | 2175 | .185 | ---- | ---- | 32 | UNCH | 464.50B | 81.00A |
| 6120 | ---- | 137.50B | 109.75A | ---- | 138.75+ | 2200 | .189 | ---- | ---- | 421 | UNCH | 473.50 | 83.00A |
| 6200 | ---- | 151.25B | 120.50A | ---- | 152.25+ | 2400 | .206 | ---- | ---- | 8 | UNCH | 505.00B | 90.00 |
| 6250 | ---- | 160.25B | 127.75A | ---- | 161.50+ | 2550 | .218 | ---- | ---- | 12 | UNCH | 526.25B | 96.75A |
| 6300 | ---- | 169.75B | 135.25A | ---- | 171.00+ | 2700 | .230 | ---- | ---- | 5 | UNCH | 547.75B | 102.50A |
| 6360 | ---- | 182.00B | 145.00A | ---- | 183.00+ | 2850 | .245 | ---- | ---- | 6 | UNCH | 574.50B | 109.75A |
| 6400 | ---- | 190.50B | 151.75A | ---- | 191.50+ | 2975 | .256 | ---- | ---- | 60 | UNCH | 593.25B | 115.00A |
| 6440 | ---- | 199.50B | 159.00A | ---- | 200.25+ | 3100 | .267 | ---- | ---- | 250 | UNCH | 613.75B | 120.50A |
| 6450 | ---- | 201.75B | 160.75A | ---- | 202.50+ | 3125 | .269 | ---- | ---- | 1 | UNCH | 617.00B | 122.00A |
| 6500 | 191.75 | 213.50B | 170.25A | ---- | 214.25+ | 3300 | .284 | ---- | 1 | 62 | UNCH | 642.00B | 129.25A |
| 6550 | ---- | 225.75B | 180.25A | ---- | 226.50+ | 3450 | .299 | ---- | ---- | 16 | UNCH | 665.75B | 137.00A |
| 6580 | ---- | 233.75B | 186.50A | ---- | 234.25+ | 3575 | .308 | ---- | ---- | 6 | UNCH | 681.50B | 141.75A |
| 6600 | ---- | 239.00B | 190.75A | ---- | 239.50+ | 3650 | .314 | ---- | ---- | 2485 | UNCH | 693.50B | 145.00A |
| 6650 | ---- | 252.75B | 202.00A | ---- | 253.00+ | 3825 | .331 | ---- | ---- | 8 | UNCH | 719.25B | 153.50A |
| 6700 | ---- | 267.00B | 213.75A | ---- | 267.50+ | 4025 | .348 | ---- | ---- | 7 | UNCH | 748.00B | 162.50 |
| 6730 | ---- | 276.00B | 221.00A | ---- | 276.25+ | 4125 | .358 | ---- | ---- | 16 | UNCH | 765.25B | 168.25A |
| 6750 | ---- | 282.00B | 226.00A | ---- | 282.50+ | 4225 | .365 | ---- | ---- | 3 | UNCH | 777.00B | 172.25A |
| 6780 | ---- | 291.50B | 233.75A | ---- | 291.75+ | 4325 | .376 | ---- | ---- | 3 | UNCH | 794.75B | 178.25A |
| 6800 | 276.00 | 298.00B | 239.00A | ---- | 298.25+ | 4400 | .383 | ---- | 3 | 12 - | 1 | 806.50B | 182.25A |
| 6820 | ---- | 304.75B | 244.50A | ---- | 304.75+ | 4475 | .391 | ---- | ---- | 3 | UNCH | 818.75B | 186.50A |
| 6830 | ---- | 308.00B | 247.25A | ---- | 308.00+ | 4500 | .395 | ---- | ---- | 3 | UNCH | 824.75B | 188.75A |
| 6840 | ---- | 311.50B | 250.00A | ---- | 311.50+ | 4575 | .398 | ---- | ---- | 210 | UNCH | 830.75B | 191.00A |
| 6850 | ---- | 314.75B | 253.00A | ---- | 314.75+ | 4600 | .402 | ---- | ---- | 14 | UNCH | 837.00B | 193.00A |
| 6880 | ---- | 325.25B | 261.50A | ---- | 325.25+ | 4725 | .414 | ---- | ---- | 4 | UNCH | 855.50B | 199.75A |
| 6900 | ---- | 332.50B | 267.50A | ---- | 332.25+ | 4800 | .422 | ---- | 1 | 83 - | 1 | 868.25B | 204.50A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6910 | ---- | 336.00B | 270.50A | ---- | 336.00+ | 4850 | .426 | ---- | ---- | 5 | UNCH | 881.25B | 206.75A |
| 6930 | ---- | 343.50B | 276.50A | ---- | 343.25+ | 4925 | .434 | ---- | ---- | 2 | UNCH | 893.75B | 211.75A |
| 6940 | ---- | 347.25B | 279.75A | ---- | 347.00+ | 4975 | .438 | ---- | ---- | 3 | UNCH | 900.75B | 214.25A |
| 6950 | ---- | 351.00B | 282.75A | ---- | 350.75+ | 5000 | .442 | ---- | ---- | 2 | UNCH | 906.75B | 216.50A |
| 7000 | 325.50 | 370.50B | 299.00A | ---- | 370.00+ | 5200 | .463 | ---- | 2 | 161 - | 1 | 849.75B | 226.00 |
| 7010 | ---- | 374.50B | 302.50A | ---- | 374.00+ | 5250 | .467 | ---- | ---- | 29 | UNCH | 855.50B | 232.00A |
| 7020 | ---- | 378.75B | 305.75A | ---- | 378.25+ | 5325 | .471 | ---- | ---- | 1 | UNCH | 862.50B | 235.00A |
| 7030 | ---- | 382.75B | 309.25A | ---- | 382.25+ | 5350 | .475 | ---- | ---- | 4 | UNCH | 845.50B | 237.75A |
| 7050 | 391.50 | 391.50 | 316.25A | ---- | 390.50+ | 5425 | .484 | ---- | 1 | 5 + | 1 | 883.75B | 243.25A |
| 7090 | ---- | 408.25B | 330.75A | ---- | 407.75+ | 5625 | .502 | ---- | ---- | 1 | UNCH | 910.50B | 254.75A |
| 7170 | ---- | 444.75B | 361.50A | ---- | 444.25+ | 6000 | .537 | ---- | ---- | 4 | UNCH | 941.50B | 279.25A |
| 7180 | ---- | 449.50B | 365.75A | ---- | 449.00+ | 6050 | .542 | ---- | ---- | 2 | UNCH | 948.75B | 282.75A |
| 7200 | 391.00 | 459.25B | 374.00A | ---- | 458.75+ | 6175 | .551 | ---- | 14 | 15 + | 7 | 963.00B | 289.50A |
| 7220 | ---- | 469.25B | 382.25A | ---- | 468.75+ | 6275 | .560 | ---- | ---- | 25 | UNCH | 977.50B | 296.25A |
| 7230 | ---- | 474.25B | 386.50A | ---- | 473.75+ | 6325 | .565 | ---- | ---- | 52 | UNCH | 984.75B | 299.75A |
| 7240 | ---- | 479.25B | 391.00A | ---- | 478.75+ | 6375 | .569 | ---- | ---- | 29 | UNCH | 992.25B | 303.25A |
| 7250 | ---- | 484.25B | 395.25A | ---- | 484.00+ | 6425 | .574 | ---- | ---- | 2 | UNCH | 999.50B | 306.75A |
| 7260 | ---- | 489.50B | 399.75A | ---- | 489.00+ | 6475 | .579 | ---- | ---- | 29 | UNCH | 1.007.00E | 310.50A |
| 7270 | ---- | 494.75B | 404.00A | ---- | 494.25+ | 6525 | .583 | ---- | ---- | 4 | UNCH | 1.014.50E | 313.75A |
| 7300 | ---- | 510.50B | 417.75A | ---- | 510.25+ | 6700 | .597 | ---- | ---- | 83 | UNCH | 1.037.00E | 325.00A |
| 7350 | ---- | 537.75B | 441.50A | ---- | 537.75+ | 6950 | .621 | ---- | ---- | 4 | UNCH | 1.075.25E | 344.75A |
| 7380 | ---- | 554.75B | 456.25A | ---- | 554.75+ | 7100 | .635 | ---- | ---- | 4 | UNCH | 1.098.75E | 356.75A |
| 7390 | ---- | 560.50B | 461.50A | ---- | 560.50+ | 7150 | .640 | ---- | ---- | 4 | UNCH | 1.106.75E | 361.25A |
| 7400 | ---- | 566.50B | 466.50A | ---- | 566.50+ | 7225 | .644 | ---- | ---- | 10 | UNCH | 1.114.50E | 365.50A |
| 7410 | ---- | 572.50B | 471.75A | ---- | 572.25+ | 7250 | .649 | ---- | ---- | 8 | UNCH | 1.122.50E | 369.75A |
| 7420 | ---- | 578.25B | 476.75A | ---- | 578.25+ | 7325 | .654 | ---- | ---- | 6 | UNCH | 1.130.50E | 374.50A |
| 7430 | ---- | 584.25B | 482.00A | ---- | 584.25+ | 7375 | .658 | ---- | ---- | 6 | UNCH | 1.138.50E | 378.50A |
| 7440 | ---- | 590.50B | 487.50A | ---- | 590.25+ | 7425 | .663 | ---- | ---- | 44 | UNCH | 1.146.50E | 383.00A |
| 7500 | ---- | 628.00B | 522.75A | ---- | 627.50+ | 7725 | .691 | ---- | ---- | 1 | UNCH | 1.195.25E | 410.50A |
| 7610 | ---- | 700.75B | 588.75A | ---- | 700.75+ | 8275 | .741 | ---- | ---- | 2 | UNCH | 1.285.50E | 465.50A |
| TOTAL | | | | | | | | | 33 | 6098 + | 4 | | |
| MAR19 | | | | | | | | | | | | | |
| 4700 | ---- | 38.75B | ---- | ---- | 43.50+ | 575 | .049 | ---- | ---- | 1 | UNCH | 119.50B | 27.00 |
| 4890 | ---- | 48.75B | *46.25A | ---- | 53.75+ | 725 | .061 | ---- | ---- | 1 | UNCH | 145.25B | 46.25A |
| 5050 | ---- | 59.00B | *54.50A | ---- | 64.00+ | 875 | .072 | ---- | ---- | 2 | UNCH | 170.25B | 54.50A |
| 5200 | ---- | 70.25B | *63.75A | ---- | 75.25+ | 1025 | .085 | ---- | ---- | 1 | UNCH | 196.50B | 63.75A |
| 6000 | ---- | 166.00B | 143.00A | ---- | 171.00+ | 2225 | .189 | ---- | ---- | 2 | UNCH | 398.25B | 115.25A |
| 6250 | ---- | 213.00B | 182.00A | ---- | 217.50+ | 2750 | .238 | ---- | ---- | 1 | UNCH | 488.00B | 146.00A |
| 6400 | ---- | 246.50B | 210.00A | ---- | 250.75+ | 3150 | .273 | ---- | ---- | 2 | UNCH | 549.25B | 168.25A |
| 6450 | ---- | 258.75B | 220.25A | ---- | 263.00+ | 3300 | .285 | ---- | ---- | 2 | UNCH | 571.25B | 176.25A |
| 6500 | ---- | 271.25B | 231.00A | ---- | 275.50+ | 3425 | .298 | ---- | ---- | 2 | UNCH | 593.50B | 185.00A |
| 6700 | ---- | 328.00B | 278.75A | ---- | 332.00+ | 4075 | .353 | ---- | ---- | 1 | UNCH | 691.75B | 223.50A |
| 6820 | ---- | 367.00B | 311.75A | ---- | 370.75+ | 4500 | .389 | ---- | ---- | 4 | UNCH | 755.75B | 250.50A |
| 6900 | ---- | 395.75B | 335.75A | ---- | 398.50+ | 4750 | .415 | ---- | ---- | 22 | UNCH | 804.75B | 270.50A |
| 6950 | 395.75 | 414.50B | 351.75A | ---- | 417.00+ | 4925 | .432 | ---- | 4 | 4 | UNCH | 831.25B | 283.50A |
| 7100 | ---- | 475.75B | 404.25A | ---- | 477.00+ | 5425 | .484 | ---- | ---- | 7 | UNCH | 928.50B | 327.25A |
| 7170 | ---- | 506.75B | 431.00A | ---- | 508.00+ | 5700 | .510 | ---- | ---- | 2 | UNCH | 975.00B | 349.75A |
| 7200 | ---- | 520.50B | 443.00A | ---- | 522.00+ | 5850 | .521 | ---- | ---- | 1 | UNCH | 995.25B | 355.00 |
| 7300 | ---- | 569.50B | 485.50A | ---- | 571.00+ | 6275 | .559 | ---- | ---- | 40 | UNCH | 1.065.50E | 396.25A |
| TOTAL | | | | | | | | | 4 | 95 | | | |
| JUN19 | | | | | | | | | | | | | |
| 5150 | ---- | 94.50B | ---- | ---- | 102.75+ | 1075 | .098 | ---- | ---- | 1 | UNCH | 105.00 | 105.00 |
| 5800 | ---- | 178.75B | ---- | ---- | 187.00+ | 2050 | .175 | ---- | ---- | 1 | UNCH | 183.00B | 148.00 |
| TOTAL | | | | | | | | | 0 | 2 | | | |
| JUN18 | | | | | | | | | | | | | |
| 1365 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 6 | UNCH | 22.30B | .10 |
| 1385 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 1 | UNCH | 25.70B | .35A |
| 1395 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 53 | UNCH | 27.60B | .40A |
| 1400 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 27 | UNCH | 28.60B | .10A |
| 1405 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 21 | UNCH | 29.60B | .10A |
| 1415 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 1 | UNCH | 31.80B | .10A |
| 1420 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 57 | UNCH | 33.00B | .10A |
| 1425 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 34 | UNCH | 34.20B | .10A |
| 1435 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 4 | UNCH | 36.80B | .10A |
| 1445 | ---- | ---- | ---- | ---- | .10+ | 5 | .000 | ---- | ---- | 60 | UNCH | 39.50B | .10A |
| 1455 | ---- | ---- | ---- | ---- | .10+ | 5 | .000 | ---- | ---- | 43 | UNCH | 42.50B | .10A |
| 1460 | ---- | ---- | ---- | ---- | .10+ | 5 | .000 | ---- | ---- | 33 | UNCH | 44.10B | .10A |
| 1465 | ---- | ---- | ---- | ---- | .10+ | 5 | .000 | ---- | ---- | 77 | UNCH | 45.70B | .10A |
| 1470 | ---- | ---- | ---- | ---- | .10+ | 5 | .000 | ---- | ---- | 54 | UNCH | 47.40B | .10A |
| 1475 | ---- | ---- | ---- | ---- | .10+ | 5 | .000 | ---- | ---- | 28 | UNCH | 49.20B | .10A |
| 1480 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 1 | UNCH | 57.30B | .10A |
| 1485 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 16 | UNCH | 54.70B | .10A |
| 1490 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 35 | UNCH | 56.70B | .10A |
| 1495 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 35 | UNCH | 63.60B | .15A |
| 1500 | ---- | ---- | ---- | ---- | .20+ | 10 | .001 | ---- | ---- | 25 | UNCH | 59.60B | .15A |
| 1505 | ---- | ---- | ---- | ---- | .20+ | 10 | .002 | ---- | ---- | 6 | UNCH | 68.20B | .15A |
| 1510 | ---- | .15B | ---- | ---- | .20+ | 10 | .002 | ---- | ---- | 11 | UNCH | 64.50B | .15A |
| 1515 | ---- | .15B | ---- | ---- | .25+ | 15 | .002 | ---- | ---- | 2 | UNCH | 67.00B | .20A |
| 1520 | ---- | .15B | ---- | ---- | .25+ | 15 | .003 | ---- | ---- | 52 | UNCH | 69.30B | .20A |
| 1525 | ---- | .20B | ---- | ---- | .25+ | 15 | .003 | ---- | ---- | 122 | UNCH | 78.30B | .20A |
| 1530 | ---- | .20B | ---- | ---- | .30+ | 15 | .004 | ---- | ---- | 15 | UNCH | 74.90B | .20A |
| 1535 | ---- | .20B | ---- | ---- | .30+ | 15 | .004 | ---- | ---- | 18 | UNCH | 82.30B | .20A |
| 1540 | ---- | .25B | ---- | ---- | .30+ | 15 | .004 | ---- | ---- | 101 | UNCH | 80.30B | .25A |
| 1545 | ---- | .25B | ---- | ---- | .35+ | 20 | .005 | ---- | ---- | 5 | UNCH | 83.10B | .25A |
| 1550 | ---- | .30B | ---- | ---- | .35+ | 20 | .005 | ---- | 10 | 261 + | 10 | 90.80B | .20 |
| 1555 | ---- | .35B | ---- | ---- | .40+ | 20 | .007 | ---- | ---- | 41 | UNCH | 89.50B | .30A |
| 1560 | ---- | .40B | ---- | ---- | .45+ | 25 | .008 | ---- | ---- | 18 | UNCH | 92.70B | .30A |
| 1565 | ---- | .45B | ---- | ---- | .50+ | 30 | .010 | ---- | ---- | 13 | UNCH | 95.70B | .35A |
| 1570 | ---- | .50B | ---- | ---- | .55+ | 30 | .012 | ---- | ---- | 43 | UNCH | 94.70B | .35A |
| 1575 | ---- | .60B | ---- | ---- | .60+ | 35 | .014 | ---- | ---- | 11 | UNCH | 97.90B | .40A |
| 1580 | ---- | .70B | ---- | ---- | .70+ | 40 | .018 | ---- | ---- | 11 | UNCH | 100.80B | .40A |
| 1585 | ---- | .85B | ---- | ---- | .85+ | 50 | .024 | ---- | ---- | 70 | UNCH | 104.00B | .45A |
| 1590 | ---- | 1.00B | ---- | ---- | 1.00+ | 65 | .030 | ---- | ---- | 38 | UNCH | 107.50B | .45A |
| 1595 | ---- | 1.25B | ---- | ---- | 1.25+ | 85 | .041 | ---- | ---- | 25 | UNCH | 111.00B | .50A |
| 1600 | ---- | 1.55B | *.45A | ---- | 1.50+ | 100 | .053 | ---- | ---- | 27 | UNCH | 114.60B | .45A |
| 1605 | ---- | 1.90B | *.45A | ---- | 1.85+ | 130 | .069 | ---- | ---- | 2 | UNCH | 118.30B | .45A |
| 1610 | ---- | 2.35B | *.50A | ---- | 2.30+ | 165 | .092 | ---- | ---- | 3 | UNCH | 122.40B | .50A |
| 1615 | ---- | 2.90B | *.55A | ---- | 2.85+ | 210 | .121 | ---- | 1 | 107 | UNCH | 125.80B | .55A |
| 1620 | 1.25 | 3.60B | *.65A | ---- | 3.55+ | 265 | .158 | ---- | 3 | 63 - | 2 | 130.10B | .65A |
| 1625 | ---- | 4.60B | *.75A | ---- | 4.40+ | 330 | .205 | ---- | ---- | 41 | UNCH | 134.10B | .75A |
| 1630 | ---- | 5.70B | *.90A | ---- | 5.40+ | 410 | .261 | ---- | 1 | 27 + | 1 | 137.80B | .90A |
| 1635 | ---- | 7.20B | *1.05A | ---- | 6.80+ | 520 | .333 | ---- | ---- | 7 | UNCH | 141.90B | 1.05A |
| 1640 | ---- | 8.90B | *1.35A | ---- | 8.40+ | 645 | .415 | ---- | ---- | 12 | UNCH | 146.30B | 1.35A |
| 1645 | ---- | 11.00B | *1.70A | ---- | 10.50+ | 805 | .508 | ---- | 10 | 81 | UNCH | 150.50B | 1.70A |
| 1650 | 6.60 | 13.60B | *2.15A | ---- | 12.90+ | 985 | .607 | ---- | 16 | 146 - | 6 | 154.80B | 2.15A |
| 1655 | 4.35 | 16.50B | 2.80A | ---- | 15.90+ | 1205 | .701 | ---- | 246 | 172 + | 124 | 159.10B | 2.70A |
| 1660 | 3.85 | 19.80B | 3.70A | ---- | 19.30+ | 1445 | .786 | ---- | 257 | 162 + | 94 | 163.40B | 3.00A |
| 1665 | 11.60 | 23.60B | 4.80A | ---- | 23.10+ | 1700 | .853 | ---- | 17 | 29 + | 15 | 167.80B | 3.40A |
| 1670 | 8.00 | 26.40B | 6.20A | ---- | 27.30+ | 1950 | .905 | ---- | 5 | 31 - | 1 | 172.30B | 3.90A |
| 1675 | 13.50 | 30.10B | 8.10A | ---- | 31.70+ | 2190 | .942 | ---- | 178 | 163 + | 116 | 175.80B | 4.45A |
| 1680 | 11.50 | 34.70B | 10.60A | ---- | 36.30+ | 2400 | .964 | ---- | 5 | 16 - | 3 | 180.20B | 4.25 |
| 1685 | 15.00 | 39.40B | 13.50A | ---- | 41.10+ | 2590 | .980 | ---- | 1 | 76 | UNCH | 184.90B | 6.00A |
| 1690 | 23.90 | 44.40B | 17.00A | ---- | 45.90+ | 2720 | .988 | ---- | 1 | 20 - | 1 | 189.40B | 6.90A |
| 1695 | ---- | 49.20B | 22.00A | ---- | 50.80+ | 2820 | .993 | ---- | ---- | 15 | UNCH | 194.10B | 8.00A |
| 1700 | ---- | 54.20B | ---- | ---- | 55.70+ | 2890 | .997 | ---- | ---- | 45 | UNCH | 198.70B | 9.30A |
| 1705 | ---- | 59.20B | ---- | ---- | 60.70+ | 2940 | .998 | ---- | ---- | 6 | UNCH | 203.40B | 10.90A |
| 1710 | ---- | 64.10B | ---- | ---- | 65.60+ | 2960 | .999 | ---- | ---- | 2 | UNCH | 208.10B | 12.70A |
| 1715 | ---- | 51.00B | ---- | ---- | 70.60+ | 2980 | .999 | ---- | ---- | 12 | UNCH | 212.90B | 14.80A |
| 1720 | ---- | 55.90B | ---- | ---- | 75.60+ | 2990 | .999 | ---- | ---- | 1 | UNCH | 217.60B | 17.20A |
| TOTAL | | | | | | | | | 751 | 2740 + | 347 | | |
| JUL18 | | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 2 | UNCH | 4.90B | .65A |
| 1125 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 54 | UNCH | 9.80B | .40A |
| 1150 | ---- | .15B | ---- | ---- | .20+ | 10 | .002 | ---- | ---- | 474 | UNCH | 11.30B | .45A |
| 1170 | ---- | ---- | ---- | ---- | .20+ | 5 | .002 | ---- | ---- | 107 | UNCH | 12.60B | .50A |
| 1175 | ---- | .20B | ---- | ---- | .25+ | 10 | .003 | ---- | ---- | 90 | UNCH | 12.90B | .20A |
| 1180 | ---- | .20B | ---- | ---- | .25+ | 10 | .003 | ---- | ---- | 124 | UNCH | 13.30B | .20A |
| 1200 | ---- | .25B | ---- | ---- | .30+ | 10 | .003 | ---- | ---- | 323 | UNCH | 14.70B | .25A |
| 1270 | ---- | .50B | ---- | ---- | .50+ | 15 | .007 | ---- | ---- | 144 | UNCH | 21.30B | .40A |
| 1300 | ---- | .65B | ---- | ---- | .70+ | 25 | .010 | ---- | ---- | 42 | UNCH | 24.80B | .45 |
| 1310 | ---- | .70B | ---- | ---- | .75+ | 25 | .010 | ---- | ---- | 31 | UNCH | 26.20B | .50A |
| 1325 | ---- | .80B | ---- | ---- | .85+ | 30 | .012 | ---- | ---- | 20 | UNCH | 28.30B | .60A |
| 1330 | ---- | .85B | ---- | ---- | .85+ | 25 | .012 | ---- | ---- | 2 | UNCH | 29.20B | .60A |
| 1340 | ---- | .90B | ---- | ---- | .95+ | 30 | .014 | ---- | ---- | 9 | UNCH | 30.70B | .65A |
| 1350 | ---- | 1.00B | *.65A | ---- | 1.05+ | 35 | .015 | ---- | ---- | 74 | UNCH | 32.30B | .65A |
| 1355 | ---- | 1.05B | ---- | ---- | 1.05+ | 35 | .016 | ---- | ---- | 4 | UNCH | 25.20B | .65A |
| 1360 | ---- | 1.05B | .70A | ---- | 1.10+ | 35 | .017 | ---- | ---- | 12 | UNCH | 34.20B | .65A |
| 1365 | ---- | 1.10B | ---- | ---- | 1.15+ | 40 | .017 | ---- | ---- | 14 | UNCH | 30.80B | .70A |
| 1370 | 1.65 | #1.85B | 1.65 | ---- | 1.85+ | NEW | .026 | ---- | 12 | 12 + | 12 | 1.85B | 1.30A |
| 1370 | ---- | 1.15B | .75A | ---- | 1.20+ | 40 | .018 | ---- | ---- | 3 | UNCH | 36.00B | .70A |
| 1375 | ---- | 1.20B | .80A | ---- | 1.25+ | 40 | .019 | ---- | ---- | 60 | UNCH | 37.00B | .75A |
| 1380 | ---- | 1.25B | ---- | ---- | 1.30+ | 45 | .020 | ---- | ---- | 13 | UNCH | 37.80B | .60A |
| 1385 | ---- | 1.30B | .85A | ---- | 1.35+ | 45 | .021 | ---- | ---- | 152 | UNCH | 34.90B | .60 |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1390 | ---- | 1.35B | .90A | ---- | 1.45+ | 50 | .023 | ---- | ---- | 2 | UNCH | 40.00B | .85A |
| 1395 | ---- | 2.30B | ---- | ---- | 2.65+ | 85 | .037 | ---- | ---- | 1 | UNCH | 14.40B | 1.55A |
| 1395 | ---- | 1.45B | .90A | ---- | 1.50+ | 55 | .024 | ---- | ---- | 2 | UNCH | 37.20B | .70A |
| 1400 | ---- | 1.50B | .95A | ---- | 1.55+ | 55 | .025 | ---- | ---- | 261 | UNCH | 42.30B | .65 |
| 1405 | ---- | 1.55B | 1.00A | ---- | 1.60+ | 55 | .026 | ---- | ---- | 26 | UNCH | 39.60B | .90A |
| 1410 | ---- | 1.65B | 1.05A | ---- | 1.65+ | 55 | .027 | ---- | ---- | 3 | UNCH | 44.40B | .95A |
| 1415 | ---- | 1.70B | 1.05A | ---- | 1.75+ | 60 | .029 | ---- | ---- | 1 | UNCH | 42.20B | .80 |
| 1420 | ---- | 2.90B | 2.15A | ---- | 3.25+ | 105 | .047 | ---- | ---- | 1 | UNCH | 17.90B | 1.85A |
| 1425 | ---- | 1.85B | 1.15A | ---- | 1.90+ | 65 | .032 | ---- | ---- | 30 | UNCH | 48.40B | .90A |
| 1430 | ---- | 3.20B | ---- | ---- | 3.50+ | 115 | .051 | ---- | ---- | 1 | UNCH | 19.50B | 1.95A |
| 1435 | ---- | 2.05B | 1.25A | ---- | 2.05+ | 70 | .035 | ---- | ---- | 158 | UNCH | 47.90B | 1.15A |
| 1440 | ---- | 2.15B | 1.30A | ---- | 2.15+ | 75 | .037 | ---- | ---- | 58 | UNCH | 52.50B | 1.00A |
| 1445 | 1.15 | 1.25B | .70A | ---- | 1.25+ | NEW | .024 | ---- | 2 | 2 + | 2 | 1.35B | .65A |
| 1445 | ---- | 2.25B | 1.35A | ---- | 2.25+ | 80 | .039 | ---- | ---- | 58 | UNCH | 51.00B | 1.05A |
| 1450 | 1.20 | 1.30B | .75A | ---- | 1.30+ | 50 | .025 | ---- | 3 | 11 + | 3 | 1.40B | .70A |
| 1450 | ---- | 2.35B | 1.40A | ---- | 2.35+ | 85 | .041 | ---- | ---- | 3 | UNCH | 55.30B | 1.10A |
| 1455 | ---- | 2.45B | 1.45A | ---- | 2.50+ | 90 | .044 | ---- | ---- | 41 | UNCH | 54.30B | 1.15A |
| 1455 | 1.25 | 1.35B | .75A | ---- | 1.35+ | 50 | .027 | ---- | 5 | 32 + | 5 | 1.50B | .70A |
| 1460 | ---- | 4.25B | 2.95A | ---- | 4.55+ | 155 | .069 | ---- | ---- | 1 | UNCH | 25.00B | 2.10A |
| 1460 | ---- | 2.60B | 1.50A | ---- | 2.60+ | 95 | .046 | ---- | ---- | 61 | UNCH | 58.30B | 1.20A |
| 1460 | ---- | 1.45B | .80A | ---- | 1.45+ | 55 | .029 | ---- | ---- | 90 | UNCH | 1.55 | .75A |
| 1465 | ---- | 2.70B | 1.60A | ---- | 2.75+ | 100 | .049 | ---- | ---- | 2 | UNCH | 57.90B | 1.25A |
| 1465 | 1.40 | 1.50B | .85A | ---- | 1.50+ | 55 | .030 | ---- | 8 | 18 + | 8 | 1.65B | .75A |
| 1470 | 1.45 | 1.60B | .85A | ---- | 1.60+ | 60 | .033 | ---- | 2 | 8 + | 2 | 1.75B | .80A |
| 1470 | ---- | 2.80B | 1.65A | ---- | 2.90+ | 110 | .052 | ---- | ---- | 5 | UNCH | 61.60B | 1.30A |
| 1475 | ---- | 3.00B | 1.70A | ---- | 3.05+ | 115 | .055 | ---- | ---- | 89 | UNCH | 63.50B | 1.35A |
| 1475 | 1.55 | 1.70B | .90A | ---- | 1.70+ | NEW | .035 | ---- | 10 | 10 + | 10 | 1.85B | .85A |
| 1480 | 1.60 | 1.80B | .95A | ---- | 1.80+ | 70 | .037 | ---- | 2 | 7 + | 2 | 1.95B | .90A |
| 1480 | ---- | 3.20B | 1.80A | ---- | 3.20+ | 120 | .058 | ---- | ---- | 94 | UNCH | 65.20B | 1.40A |
| 1485 | ---- | 3.30B | 1.90A | ---- | 3.40+ | 130 | .062 | ---- | ---- | 5 | UNCH | 65.70B | 1.45A |
| 1490 | ---- | 3.50B | 1.95A | ---- | 3.60+ | 140 | .066 | ---- | 1 | 81 | UNCH | 68.80B | 1.50A |
| 1495 | ---- | 3.70B | 2.05A | ---- | 3.80+ | 150 | .070 | ---- | ---- | 4 | UNCH | 69.90B | 1.60A |
| 1500 | ---- | 6.30B | 4.15A | ---- | 6.60+ | 240 | .103 | ---- | ---- | 3 | UNCH | 35.20B | 2.85A |
| 1500 | 2.30 | 4.00B | 2.20A | ---- | 4.00+ | 160 | .074 | ---- | 50 | 307 - | 50 | 72.80B | 1.65A |
| 1500 | ---- | 2.30B | 1.15A | ---- | 2.25+ | 90 | .049 | ---- | ---- | 44 | UNCH | 2.45B | 1.05A |
| 1505 | ---- | 4.20B | 2.30A | ---- | 4.25+ | 175 | .079 | ---- | ---- | 6 | UNCH | 74.50B | 1.75A |
| 1510 | ---- | 4.40B | 2.40A | ---- | 4.50+ | 185 | .084 | ---- | ---- | 82 | UNCH | 76.80B | 1.80A |
| 1515 | ---- | 4.70B | 2.60A | ---- | 4.75+ | 195 | .089 | ---- | ---- | 6 | UNCH | 79.20B | 1.90A |
| 1520 | ---- | 5.00B | 2.70A | ---- | 5.00+ | 205 | .095 | ---- | ---- | 9 | UNCH | 81.70B | 1.95A |
| 1520 | ---- | 7.80B | 5.00A | ---- | 8.10+ | 300 | .127 | ---- | ---- | 2 | UNCH | 41.80B | 3.30A |
| 1525 | ---- | 5.30B | 2.80A | ---- | 5.30+ | 220 | .101 | ---- | ---- | 83 | UNCH | 84.30B | 2.05A |
| 1525 | 1.85 | 3.20B | 1.50A | ---- | 3.15+ | NEW | .071 | ---- | 3 | 3 + | 3 | 3.35B | 1.35A |
| 1530 | ---- | 8.80B | 5.50A | ---- | 8.90+ | 330 | .141 | ---- | ---- | 2 | UNCH | 45.50B | 3.55A |
| 1530 | ---- | 5.70B | 3.00A | ---- | 5.70+ | 245 | .108 | ---- | ---- | 6 | UNCH | 86.90B | 2.15A |
| 1535 | ---- | 6.10B | 3.20A | ---- | 6.10+ | 265 | .116 | ---- | ---- | 46 | UNCH | 89.60B | 2.25A |
| 1535 | 2.25 | 3.70B | 1.70A | ---- | 3.65+ | NEW | .083 | ---- | 7 | 7 + | 7 | 3.85B | 1.50A |
| 1540 | ---- | 6.50B | 3.40A | ---- | 6.50+ | 285 | .124 | ---- | ---- | 14 | UNCH | 91.30B | 2.35A |
| 1540 | 2.10 | 3.90B | 1.80A | ---- | 3.95+ | NEW | .090 | ---- | 7 | 7 + | 7 | 4.10B | 1.55A |
| 1545 | ---- | 6.90B | 3.60A | ---- | 6.90+ | 300 | .132 | ---- | ---- | 103 | UNCH | 93.50B | 2.45A |
| 1545 | 2.25 | 4.30B | 1.90A | ---- | 4.25+ | NEW | .097 | ---- | 7 | 7 + | 7 | 4.40B | 1.65A |
| 1550 | ---- | 11.00B | 6.60A | ---- | 11.00+ | 420 | .175 | ---- | ---- | 52 | UNCH | 53.80B | 4.20A |
| 1550 | ---- | 7.40B | 3.80A | ---- | 7.40+ | 325 | .142 | ---- | 142 | 251 - | 14 | 96.50B | 2.60A |
| 1550 | 2.50 | 4.60B | 2.05A | ---- | 4.60+ | NEW | .106 | ---- | 19 | 19 + | 19 | 4.75B | 1.75A |
| 1555 | ---- | 7.90B | 4.00A | ---- | 7.90+ | 350 | .151 | ---- | ---- | 6 | UNCH | 99.40B | 2.80A |
| 1555 | ---- | 11.60B | 7.00A | ---- | 11.70+ | 450 | .186 | ---- | ---- | 1 | UNCH | 56.20B | 4.40A |
| 1555 | 2.70 | 5.00B | 2.20A | ---- | 5.00+ | NEW | .115 | ---- | 2 | 2 + | 2 | 5.10B | 1.80A |
| 1560 | ---- | 12.30B | 7.30A | ---- | 12.30+ | 470 | .196 | ---- | ---- | 4 | UNCH | 58.70B | 4.60A |
| 1560 | ---- | 8.50B | 4.30A | ---- | 8.50+ | 380 | .162 | ---- | ---- | 151 | UNCH | 102.50B | 2.90A |
| 1560 | 3.30 | 5.40B | 2.35A | ---- | 5.40+ | NEW | .125 | ---- | 3 | 3 + | 3 | 5.50B | 1.90A |
| 1565 | ---- | #12.00B | *6.70A | ---- | 11.90+ | NEW | .199 | ---- | 50 | 50 + | 50 | 12.00B | 6.70A |
| 1565 | 3.50 | 5.90B | 2.50A | ---- | 5.90+ | NEW | .136 | ---- | 17 | 17 + | 17 | 6.00B | 2.05A |
| 1565 | ---- | 9.10B | 4.60A | ---- | 9.10+ | 410 | .174 | ---- | ---- | 31 | UNCH | 105.60B | 3.10A |
| 1570 | ---- | 9.80B | 4.90A | ---- | 9.80+ | 440 | .187 | ---- | ---- | 62 | UNCH | 108.60B | 3.20A |
| 1570 | ---- | 13.80B | 8.20A | ---- | 13.80+ | 530 | .219 | ---- | ---- | 1 | UNCH | 63.80B | 5.00A |
| 1575 | ---- | 10.50B | 5.20A | ---- | 10.50+ | 480 | .200 | ---- | ---- | 95 | UNCH | 112.00B | 3.40A |
| 1580 | 13.50 | 15.50B | 9.10A | ---- | 15.50+ | 600 | .245 | ---- | 5 | 3 + | 1 | 69.30B | 5.20A |
| 1580 | ---- | 11.20B | 5.60A | ---- | 11.20+ | 510 | .213 | ---- | ---- | 144 | UNCH | 115.30B | 3.60A |
| 1580 | ---- | 7.60B | 3.20A | ---- | 7.50+ | 375 | .175 | ---- | ---- | 160 | UNCH | 7.60B | 2.40A |
| 1585 | 7.60 | 12.10B | 6.00A | ---- | 12.00+ | 540 | .228 | ---- | 14 | 48 | UNCH | 118.70B | 3.80A |
| 1585 | 4.80 | 8.20B | 3.40A | ---- | 8.20+ | NEW | .190 | ---- | 15 | 15 + | 15 | 8.30B | 2.55A |
| 1590 | ---- | 17.40B | 10.20A | ---- | 17.40+ | 680 | .274 | ---- | ---- | 1 | UNCH | 75.20B | 6.10A |
| 1590 | 11.70 | 13.00B | 6.40A | ---- | 12.90+ | NEW | .244 | ---- | 10 | 10 + | 10 | 121.80B | 4.00A |
| 1595 | ---- | 18.50B | 10.80A | ---- | 18.50+ | 720 | .290 | ---- | ---- | 1 | UNCH | 78.10B | 6.40A |
| 1595 | 12.60 | 13.90B | 6.90A | ---- | 13.90+ | 630 | .261 | ---- | 10 | 76 + | 10 | 125.50B | 4.30A |
| 1600 | ---- | 19.60B | 11.50A | ---- | 19.60+ | 760 | .306 | ---- | ---- | 7 | UNCH | 81.40B | 6.70A |
| 1600 | ---- | 15.00B | 7.40A | ---- | 14.90+ | 680 | .279 | ---- | 49 | 300 - | 20 | 129.30B | 4.50A |
| 1600 | ---- | #10.70B | 4.40A | ---- | 10.60+ | 550 | .244 | ---- | ---- | 79 | UNCH | 10.70B | 3.10A |
| 1605 | ---- | 16.10B | 8.00A | ---- | 16.00+ | 730 | .298 | ---- | 25 | 68 + | 25 | 132.60B | 4.80A |
| 1605 | ---- | 20.90B | 12.20A | ---- | 20.80+ | 810 | .323 | ---- | ---- | 6 | UNCH | 84.70B | 7.10A |
| 1610 | ---- | 22.10B | 13.00A | ---- | 22.10+ | 860 | .342 | ---- | ---- | 2 | UNCH | 87.90B | 7.50A |
| 1610 | ---- | 17.30B | 8.70A | ---- | 17.20+ | 780 | .319 | ---- | ---- | 14 | UNCH | 136.30B | 5.10A |
| 1610 | ---- | #12.80B | 5.30A | ---- | 12.60+ | 650 | .288 | ---- | ---- | 72 | UNCH | 12.80B | 3.50A |
| 1615 | ---- | 18.60B | 9.30A | ---- | 18.50+ | 840 | .341 | ---- | 22 | 173 + | 22 | 140.40B | 5.50A |
| 1620 | ---- | 25.00B | 14.70A | ---- | 25.00+ | 980 | .381 | ---- | ---- | 4 | UNCH | 95.00B | 8.40A |
| 1620 | ---- | 20.00B | 10.10A | ---- | 19.90+ | 900 | .363 | ---- | ---- | 3 | UNCH | 143.90B | 5.80A |
| 1620 | ---- | #15.30B | 6.40A | ---- | 15.10+ | NEW | .339 | ---- | 66 | 66 + | 66 | 15.30B | 4.00A |
| 1625 | ---- | 26.50B | 15.60A | ---- | 26.60+ | 1040 | .401 | ---- | ---- | 1 | UNCH | 98.60B | 8.80A |
| 1625 | ---- | 21.50B | 10.90A | ---- | 21.40+ | 960 | .387 | ---- | ---- | 8 | UNCH | 147.70B | 6.20A |
| 1625 | ---- | #16.80B | 7.00A | ---- | 16.50+ | NEW | .367 | ---- | 10 | 10 + | 10 | 16.80B | 4.30A |
| 1630 | ---- | 28.10B | 16.70A | ---- | 28.20+ | 1100 | .423 | ---- | ---- | 9 | UNCH | 102.60B | 9.40A |
| 1630 | ---- | #18.30B | 7.80A | ---- | 18.00+ | NEW | .397 | ---- | 20 | 20 + | 20 | 18.30B | 4.65A |
| 1630 | ---- | 23.20B | 11.80A | ---- | 23.00+ | 1030 | .412 | ---- | ---- | 47 | UNCH | 152.10B | 6.70A |
| 1635 | ---- | 29.80B | 17.70A | ---- | 30.00+ | 1160 | .445 | ---- | ---- | 1 | UNCH | 106.20B | 10.00A |
| 1635 | ---- | 25.00B | 12.80A | ---- | 24.70+ | 1100 | .439 | ---- | ---- | 4 | UNCH | 155.80B | 7.10A |
| 1635 | 11.10 | #20.10B | 8.60A | ---- | 19.70+ | 1020 | .429 | ---- | 2 | 3 + | 2 | 20.10B | 5.00A |
| 1640 | ---- | #30.60B | *17.20A | ---- | 30.30+ | NEW | .468 | ---- | 25 | 25 + | 25 | 30.60B | 17.20A |
| 1640 | ---- | 31.70B | 18.90A | ---- | 31.90+ | 1240 | .468 | ---- | ---- | 1 | UNCH | 110.20B | 10.60A |
| 1640 | ---- | #21.90B | 9.50A | ---- | 21.50+ | 1100 | .462 | ---- | 10 | 30 + | 10 | 21.90B | 5.50A |
| 1640 | ---- | 26.80B | 13.80A | ---- | 26.60+ | 1180 | .466 | ---- | ---- | 33 | UNCH | 160.10B | 7.70A |
| 1645 | 33.60 | 33.70B | 20.10A | ---- | 33.80+ | 1300 | .492 | ---- | 1 | 37 + | 1 | 114.50B | 11.20A |
| 1645 | ---- | 28.80B | 14.90A | ---- | 28.50+ | 1250 | .495 | ---- | ---- | 83 | UNCH | 164.00B | 8.20A |
| 1650 | 33.20 | 35.80B | 21.50A | ---- | 36.00+ | 1380 | .517 | ---- | 12 | 15 + | 9 | 118.20B | 11.90A |
| 1650 | ---- | 30.90B | 16.10A | ---- | 30.70+ | 1340 | .524 | ---- | 2 | 4 | UNCH | 168.20B | 8.80A |
| 1650 | 15.30 | #26.10B | 11.60A | ---- | 25.70+ | 1300 | .533 | ---- | 19 | 111 | UNCH | 26.10B | 6.40A |
| 1655 | ---- | #36.90B | *21.10A | ---- | 36.70+ | NEW | .545 | ---- | 14 | 14 + | 14 | 36.90B | 21.10A |
| 1655 | ---- | 33.20B | 17.40A | ---- | 32.90+ | 1420 | .554 | ---- | 18 | 80 - | 18 | 172.40B | 9.50A |
| 1655 | 16.80 | #28.50B | 12.90A | ---- | 28.00+ | NEW | .570 | ---- | 4 | 4 + | 4 | 28.50B | 6.90A |
| 1660 | ---- | 40.40B | 24.50A | ---- | 40.60+ | 1540 | .568 | ---- | ---- | 5 | UNCH | 126.90B | 13.50A |
| 1660 | ---- | 35.60B | 18.90A | ---- | 35.30+ | 1510 | .586 | ---- | ---- | 50 | UNCH | 176.70B | 10.20A |
| 1660 | ---- | #31.10B | 14.30A | ---- | 30.60+ | 1510 | .608 | ---- | ---- | 150 | UNCH | 31.10B | 7.60A |
| 1665 | ---- | 38.20B | 20.50A | ---- | 37.90+ | 1610 | .617 | ---- | ---- | 89 | UNCH | 181.00B | 11.00A |
| 1665 | ---- | 42.80B | 26.20A | ---- | 43.10+ | 1620 | .594 | ---- | ---- | 1 | UNCH | 131.20B | 14.40A |
| 1665 | 20.70 | #33.80B | 15.80A | ---- | 33.40+ | 1630 | .646 | ---- | 2 | 50 | UNCH | 33.80B | 8.20A |
| 1670 | ---- | 45.50B | 28.00A | ---- | 45.70+ | 1700 | .621 | ---- | ---- | 11 | UNCH | 135.60B | 15.30 |
| 1670 | 20.50 | #36.80B | 17.50A | ---- | 36.40+ | 1750 | .684 | ---- | 4 | 91 | UNCH | 36.80B | 9.00A |
| 1670 | 25.30 | 41.00B | 22.20A | ---- | 40.60+ | 1700 | .649 | ---- | 1 | 102 - | 1 | 185.30B | 11.80A |
| 1675 | ---- | #47.30B | 27.90A | ---- | 47.10+ | 1790 | .655 | ---- | ---- | 14 | UNCH | 47.30B | 27.90A |
| 1675 | ---- | 47.80B | 29.90A | ---- | 48.50+ | 1790 | .647 | ---- | ---- | 1 | UNCH | 140.00B | 16.40A |
| 1675 | 21.20 | #40.00B | 19.40A | ---- | 39.60+ | 1870 | .722 | ---- | 9 | 13 + | 7 | 40.00B | 9.80A |
| 1675 | ---- | 44.00B | 24.10A | ---- | 43.60+ | 1810 | .681 | ---- | ---- | 42 | UNCH | 190.10B | 12.80A |
| 1680 | ---- | 50.70B | 31.90A | ---- | 51.40+ | 1870 | .673 | ---- | ---- | 2 | UNCH | 144.60B | 17.60A |
| 1680 | ---- | 47.10B | 26.10A | ---- | 46.70+ | 1920 | .713 | ---- | ---- | 6 | UNCH | 194.20B | 13.80A |
| 1680 | ---- | #43.50B | 21.50A | ---- | 43.00+ | 1990 | .758 | ---- | ---- | 12 | UNCH | 43.50B | 10.80A |
| 1685 | 36.90 | #53.50B | 32.10A | ---- | 53.20+ | 1980 | .710 | ---- | 5 | 9 + | 5 | 53.50B | 32.00A |
| 1685 | ---- | 50.50B | 28.30A | ---- | 50.00+ | 2020 | .742 | ---- | ---- | 26 | UNCH | 198.60B | 14.90A |
| 1685 | 27.50 | #47.10B | 23.80A | ---- | 46.60+ | 2120 | .792 | ---- | 5 | 31 | UNCH | 47.10B | 11.80A |
| 1685 | ---- | 53.60B | 34.10A | ---- | 54.50+ | 1960 | .700 | ---- | ---- | 1 | UNCH | 149.10B | 18.80A |
| 1690 | 37.90 | #56.90B | 34.50A | ---- | 56.60+ | NEW | .737 | ---- | 1 | 1 + | 1 | 56.90B | 34.30A |
| 1690 | ---- | 54.00B | 30.80A | ---- | 53.50+ | 2130 | .772 | ---- | ---- | 48 | UNCH | 203.20B | 16.20A |
| 1690 | 30.30 | #49.80B | 26.40A | ---- | 50.40+ | 2230 | .823 | ---- | 3 | 13 | UNCH | 49.80B | 13.00A |
| 1695 | 40.60 | #60.40B | 37.00A | ---- | 60.00+ | NEW | .763 | ---- | 3 | 3 + | 3 | 60.40B | 36.70A |
| 1695 | 34.10 | 57.70B | 33.40A | ---- | 57.20+ | 2230 | .800 | ---- | 3 | 13 + | 3 | 207.70B | 17.60A |
| 1695 | ---- | #53.70B | 29.30A | ---- | 54.40+ | 2350 | .851 | ---- | ---- | 22 | UNCH | 53.70B | 14.30A |
| 1700 | 52.80 | 60.20B | 36.20A | ---- | 61.10+ | 2340 | .825 | ---- | 1 | 15 | UNCH | 212.70B | 17.10 |
| 1700 | ---- | #57.90B | 32.40A | ---- | 58.60+ | 2460 | .876 | ---- | ---- | 5 | UNCH | 57.90B | 15.80A |
| 1700 | ---- | 63.70B | 42.30A | ---- | 64.70+ | 2220 | .775 | ---- | ---- | 1 | UNCH | 162.60B | 23.20A |
| 1705 | ---- | 64.20B | 39.30A | ---- | 65.10+ | 2430 | .850 | ---- | ---- | 30 | UNCH | 216.90B | 20.80A |
| 1710 | ---- | 71.20B | 48.30A | ---- | 72.20+ | 2380 | .821 | ---- | ---- | 7 | UNCH | 172.10B | 26.80A |
| 1710 | ---- | 68.50B | 42.60A | ---- | 69.30+ | 2520 | .871 | ---- | ---- | 10 | UNCH | 221.90B | 22.60A |
| 1715 | ---- | 72.40B | 46.10A | ---- | 73.60+ | 2600 | .889 | ---- | ---- | 14 | UNCH | 226.50B | 24.60A |
| 1720 | 75.70 | 79.10B | 75.70 | ---- | 80.30+ | NEW | .862 | ---- | 2 | 1 + | 1 | 181.90B | 31.10A |
| 1720 | ---- | 76.80B | 50.90A | ---- | 78.10+ | 2680 | .907 | ---- | ---- | 10 | UNCH | 231.30B | 26.80A |
| 1720 | ---- | #75.30B | 48.60A | ---- | 76.80+ | 2800 | .944 | ---- | ---- | 3 | UNCH | 75.30B | 23.60A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1740 | ---- | 95.20B | ---- | ---- | 96.70+ | 2890 | .952 | ---- | ---- | 33 | UNCH | 250.00B | 37.70A |
| 1745 | ---- | 100.00B | ---- | ---- | 101.50+ | 2920 | .959 | ---- | ---- | 2 | UNCH | 254.70B | 40.90A |
| TOTAL | | | | | | | | | 744 | 7143 + | 320 | | |
| AUG18 | | | | | | | | | | | | | |
| 1050 | ---- | .45B | ---- | ---- | .60+ | 20 | .005 | ---- | ---- | 46 | UNCH | 2.40B | .45A |
| 1125 | ---- | .85B | ---- | ---- | .95+ | 30 | .009 | ---- | ---- | 180 | UNCH | 3.70B | .50A |
| 1150 | ---- | 1.00B | ---- | ---- | 1.10+ | 30 | .010 | ---- | ---- | 7 | UNCH | 4.20B | .60A |
| 1200 | 1.40 | 1.40 | 1.40 | ---- | 1.45+ | 40 | .014 | ---- | 90 | 90 + | 89 | 5.70B | .80A |
| 1225 | ---- | 1.65B | ---- | ---- | 1.70+ | 50 | .017 | ---- | ---- | 7 | UNCH | 6.60B | .95A |
| 1230 | ---- | 1.70B | ---- | ---- | 1.75+ | 50 | .018 | ---- | ---- | 83 | UNCH | 6.80B | .70 |
| 1240 | ---- | 1.80B | ---- | ---- | 1.85+ | 50 | .019 | ---- | 6 | 143 + | 1 | 7.30B | .90A |
| 1250 | ---- | 2.55B | ---- | ---- | 2.80+ | 70 | .027 | ---- | ---- | 2 | UNCH | 2.60 | 1.55A |
| 1250 | ---- | 1.90B | ---- | ---- | 1.95+ | 55 | .020 | ---- | 50 | 54 + | 50 | 7.70B | .95A |
| 1260 | ---- | 2.00B | ---- | ---- | 2.10+ | 60 | .022 | ---- | ---- | 22 | UNCH | 8.20B | 1.20A |
| 1275 | ---- | 2.20B | 1.60A | ---- | 2.30+ | 65 | .024 | ---- | ---- | 8 | UNCH | 9.10B | 1.15A |
| 1280 | ---- | 2.30B | 1.65A | ---- | 2.35+ | 65 | .025 | ---- | ---- | 100 | UNCH | 9.30B | 1.00A |
| 1300 | ---- | 2.60B | ---- | ---- | 2.65+ | 75 | .029 | ---- | ---- | 45 | UNCH | 10.60B | 1.15A |
| 1380 | ---- | 4.40B | 3.10A | ---- | 4.50+ | 130 | .052 | ---- | ---- | 1 | UNCH | 18.00B | 1.95A |
| 1400 | ---- | 5.10B | 3.50A | ---- | 5.20+ | 155 | .061 | ---- | ---- | 4 | UNCH | 20.60B | 2.20A |
| 1420 | ---- | 5.90B | 4.00A | ---- | 6.00+ | 185 | .072 | ---- | ---- | 2 | UNCH | 23.60B | 2.60A |
| 1430 | ---- | 6.40B | 4.30A | ---- | 6.50+ | 205 | .078 | ---- | ---- | 4 | UNCH | 25.30B | 2.70A |
| 1440 | ---- | 6.90B | 4.60A | ---- | 7.00+ | 220 | .085 | ---- | ---- | 8 | UNCH | 27.10B | 2.90A |
| 1450 | ---- | #10.00B | 7.30A | ---- | 10.20+ | 280 | .110 | ---- | ---- | 1 | UNCH | 10.00B | 4.65A |
| 1450 | 6.80 | 7.50B | 5.00A | ---- | 7.60+ | 240 | .092 | ---- | 1 | 32 - | 1 | 29.10B | 3.10A |
| 1460 | ---- | #10.70B | 7.80A | ---- | 10.90+ | 300 | .119 | ---- | ---- | 2 | UNCH | 10.70B | 4.95A |
| 1460 | 6.00 | 8.10B | 5.40A | ---- | 8.20+ | 260 | .100 | ---- | 11 | 202 - | 1 | 31.20B | 3.40A |
| 1465 | ---- | 8.50B | 5.60A | ---- | 8.50+ | 270 | .104 | ---- | ---- | 1 | UNCH | 32.30B | 3.50A |
| 1470 | ---- | 8.80B | 5.80A | ---- | 8.90+ | 290 | .109 | ---- | ---- | 10 | UNCH | 33.50B | 3.60A |
| 1475 | ---- | 9.20B | 6.00A | ---- | 9.20+ | 300 | .113 | ---- | ---- | 58 | UNCH | 34.70B | 3.70A |
| 1480 | ---- | 9.60B | 6.30A | ---- | 9.60+ | 310 | .119 | ---- | ---- | 9 | UNCH | 36.00B | 3.90A |
| 1485 | ---- | 10.00B | 6.50A | ---- | 10.00+ | 320 | .124 | ---- | ---- | 1 | UNCH | 37.30B | 4.00A |
| 1490 | ---- | 10.40B | 6.80A | ---- | 10.40+ | 340 | .129 | ---- | ---- | 3 | UNCH | 38.60B | 4.20A |
| 1500 | ---- | #14.50B | 10.30A | ---- | 14.60+ | 410 | .161 | ---- | ---- | 1 | UNCH | 14.50B | 6.40A |
| 1500 | ---- | 11.30B | 7.40A | ---- | 11.30+ | 370 | .141 | ---- | 25 | 31 + | 25 | 41.50B | 4.50A |
| 1510 | ---- | 12.30B | 8.00A | ---- | 12.30+ | 400 | .153 | ---- | ---- | 9 | UNCH | 44.60B | 4.90A |
| 1515 | ---- | 12.90B | 8.30A | ---- | 12.80+ | 420 | .160 | ---- | ---- | 9 | UNCH | 46.20B | 5.10A |
| 1520 | ---- | #16.90B | 12.00A | ---- | 17.00+ | 490 | .188 | ---- | ---- | 1 | UNCH | 16.90B | 7.40A |
| 1520 | ---- | 13.40B | 8.70A | ---- | 13.40+ | 440 | .167 | ---- | ---- | 764 | UNCH | 47.90B | 5.30A |
| 1525 | ---- | 14.00B | 9.10A | ---- | 14.00+ | 460 | .175 | ---- | ---- | 12 | UNCH | 49.60B | 5.50A |
| 1530 | ---- | #18.30B | 12.90A | ---- | 18.40+ | 530 | .203 | ---- | ---- | 1 | UNCH | 18.30B | 7.90A |
| 1535 | ---- | 15.30B | 9.90A | ---- | 15.30+ | 510 | .191 | ---- | ---- | 33 | UNCH | 53.40B | 5.90A |
| 1545 | ---- | 16.70B | 10.80A | ---- | 16.70+ | 550 | .208 | ---- | ---- | 27 | UNCH | 57.80B | 6.50A |
| 1550 | ---- | 17.50B | 11.30A | ---- | 17.40+ | 570 | .217 | ---- | 1 | 83 | UNCH | 60.10B | 6.70 |
| 1555 | ---- | 18.30B | 11.80A | ---- | 18.20+ | 600 | .227 | ---- | ---- | 5 | UNCH | 62.50B | 7.00A |
| 1560 | ---- | #23.20B | 16.20A | ---- | 23.30+ | 680 | .256 | ---- | ---- | 1 | UNCH | 23.20B | 9.90A |
| 1560 | ---- | 19.10B | 12.30A | ---- | 19.00+ | 620 | .237 | ---- | ---- | 10 | UNCH | 65.00B | 7.30A |
| 1565 | ---- | 20.00B | 12.90A | ---- | 19.90+ | 650 | .248 | ---- | ---- | 25 | UNCH | 67.60B | 7.60A |
| 1570 | ---- | 20.90B | 13.50A | ---- | 20.80+ | 680 | .259 | ---- | ---- | 49 | UNCH | 70.20B | 7.90A |
| 1575 | ---- | 21.90B | 14.10A | ---- | 21.80+ | 720 | .271 | ---- | ---- | 53 | UNCH | 72.50B | 8.30A |
| 1580 | ---- | 22.90B | 14.80A | ---- | 22.80+ | 750 | .283 | ---- | ---- | 11 | UNCH | 75.30B | 8.60A |
| 1585 | ---- | 24.00B | 15.50A | ---- | 23.90+ | 780 | .295 | ---- | ---- | 28 | UNCH | 78.60B | 9.00A |
| 1590 | ---- | 25.10B | 16.20A | ---- | 25.00+ | 810 | .308 | ---- | 1 | 4 + | 1 | 81.20B | 9.40A |
| 1595 | ---- | 26.30B | 17.00A | ---- | 26.20+ | 850 | .322 | ---- | ---- | 14 | UNCH | 84.70B | 9.90A |
| 1600 | ---- | #32.30B | 22.50A | ---- | 32.40+ | 950 | .349 | ---- | ---- | 1 | UNCH | 32.30B | 13.60A |
| 1600 | 26.00 | 27.60B | 17.90A | ---- | 27.40+ | 890 | .336 | ---- | 1 | 121 + | 1 | 87.80B | 10.30A |
| 1605 | ---- | 28.90B | 18.70A | ---- | 28.70+ | 930 | .351 | ---- | ---- | 89 | UNCH | 90.90B | 10.90A |
| 1610 | ---- | 30.30B | 19.70A | ---- | 30.10+ | 970 | .366 | ---- | ---- | 31 | UNCH | 93.90B | 11.40A |
| 1615 | ---- | 31.80B | 20.60A | ---- | 31.60+ | 1020 | .382 | ---- | ---- | 47 | UNCH | 97.40B | 11.90A |
| 1620 | ---- | 33.30B | 21.60A | ---- | 33.10+ | 1070 | .399 | ---- | ---- | 44 | UNCH | 101.40B | 12.50A |
| 1625 | ---- | 34.90B | 22.70A | ---- | 34.70+ | 1120 | .416 | ---- | ---- | 1 | UNCH | 104.50B | 13.20A |
| 1630 | ---- | 36.60B | 23.80A | ---- | 36.40+ | 1170 | .433 | ---- | ---- | 36 | UNCH | 107.80B | 13.80A |
| 1635 | ---- | 38.40B | 25.00A | ---- | 38.10+ | 1220 | .451 | ---- | ---- | 14 | UNCH | 111.50B | 14.60A |
| 1640 | ---- | 40.30B | 26.30A | ---- | 40.00+ | 1280 | .470 | ---- | ---- | 25 | UNCH | 115.50B | 15.30A |
| 1645 | ---- | 42.30B | 27.70A | ---- | 41.90+ | 1340 | .489 | ---- | ---- | 17 | UNCH | 119.20B | 16.10A |
| 1650 | ---- | #49.40B | 34.80A | ---- | 49.50+ | 1430 | .505 | ---- | ---- | 3 | UNCH | 49.40B | 21.20A |
| 1650 | 38.50 | 44.30B | 29.10A | ---- | 44.00+ | 1400 | .509 | ---- | 4 | 34 + | 4 | 123.50B | 17.00A |
| 1655 | ---- | 46.50B | 30.60A | ---- | 46.10+ | 1460 | .529 | ---- | ---- | 22 | UNCH | 127.60B | 17.90A |
| 1660 | ---- | 48.80B | 32.20A | ---- | 48.40+ | 1530 | .550 | ---- | ---- | 22 | UNCH | 131.50B | 18.80A |
| 1670 | ---- | 53.70B | 35.70A | ---- | 53.30+ | 1670 | .592 | ---- | ---- | 20 | UNCH | 140.30B | 21.00A |
| 1675 | ---- | 56.30B | 37.60A | ---- | 55.90+ | 1740 | .613 | ---- | ---- | 25 | UNCH | 144.60B | 22.10A |
| 1680 | ---- | 59.00B | 39.60A | ---- | 58.60+ | 1800 | .635 | ---- | 2 | 16 - | 2 | 149.00B | 23.40A |
| 1685 | ---- | 61.90B | 41.70A | ---- | 61.50+ | 1880 | .656 | ---- | ---- | 107 | UNCH | 153.60B | 24.70A |
| 1690 | ---- | 64.90B | 44.00A | ---- | 64.40+ | 1940 | .678 | ---- | ---- | 33 | UNCH | 158.00B | 26.20A |
| 1690 | ---- | #68.60B | 50.10A | ---- | 69.40+ | 1900 | .653 | ---- | ---- | 1 | UNCH | 68.60B | 31.20A |
| 1695 | ---- | #71.60B | 52.50A | ---- | 72.40+ | 1970 | .672 | ---- | ---- | 1 | UNCH | 71.60B | 32.80A |
| 1700 | ---- | 71.30B | 48.90A | ---- | 70.80+ | 2080 | .720 | ---- | ---- | 1 | UNCH | 166.80B | 29.40A |
| 1710 | ---- | 78.20B | 54.30A | ---- | 77.70+ | 2220 | .761 | ---- | ---- | 2 | UNCH | 176.40B | 33.00A |
| TOTAL | | | | | | | | | 192 | 3009 + | 167 | | |
| OCT18 | | | | | | | | | | | | | |
| 1400 | ---- | 13.50B | 10.40A | ---- | 13.70+ | NEW | .111 | ---- | 20 | 20 + | 20 | 15.40B | 7.00A |
| 1450 | ---- | 18.10B | ---- | ---- | 18.20+ | 430 | .149 | ---- | ---- | 36 | UNCH | 20.90B | 9.20A |
| 1460 | 18.20 | 19.20B | 18.20 | ---- | 19.30+ | NEW | .158 | ---- | 1 | 1 + | 1 | 22.20B | 9.80A |
| 1500 | ---- | 24.50B | 18.60A | ---- | 24.50+ | 580 | .201 | ---- | ---- | 44 | UNCH | 28.60B | 12.40A |
| 1600 | ---- | 45.70B | 34.90A | ---- | 45.60+ | 1060 | .364 | ---- | ---- | 1 | UNCH | 54.60B | 23.30A |
| 1725 | ---- | 101.50B | 80.00A | ---- | 101.10+ | 2090 | .690 | ---- | ---- | 1 | UNCH | 121.30B | 57.40A |
| 1775 | ---- | 135.50B | 111.20A | ---- | 136.60+ | 2510 | .820 | ---- | ---- | 22 | UNCH | 160.80B | 83.20A |
| 1785 | ---- | #143.60B | 118.40A | ---- | 144.60+ | 2590 | .843 | ---- | ---- | 29 | UNCH | 143.60B | 89.40A |
| 1790 | ---- | 147.70B | 122.20A | ---- | 148.70+ | 2620 | .853 | ---- | ---- | 23 | UNCH | 173.70B | 92.60A |
| 1815 | ---- | #168.90B | ---- | ---- | 170.10+ | 2770 | .898 | ---- | ---- | 14 | UNCH | 168.90B | 110.30A |
| TOTAL | | | | | | | | | 21 | 191 + | 21 | | |
| SEP18 | | | | | | | | | | | | | |
| 725 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 75 | UNCH | 1.70B | .70A |
| 750 | ---- | ---- | ---- | ---- | .15+ | 5 | .001 | ---- | ---- | 30 | UNCH | 2.40B | .80A |
| 875 | ---- | .35B | ---- | ---- | .45+ | 15 | .003 | ---- | ---- | 10 | UNCH | 7.00B | .55A |
| 900 | ---- | ---- | ---- | ---- | .55+ | 15 | .004 | ---- | ---- | 30 | UNCH | 8.20B | .60A |
| 925 | ---- | .50B | ---- | ---- | .65+ | 20 | .004 | ---- | ---- | 10 | UNCH | 9.60B | .70A |
| 950 | ---- | .60B | ---- | ---- | .75+ | 20 | .005 | ---- | ---- | 11 | UNCH | 11.10B | .45A |
| 975 | ---- | .75B | ---- | ---- | .85+ | 20 | .006 | ---- | ---- | 5 | UNCH | 13.10B | .60A |
| 1000 | ---- | .90B | ---- | ---- | 1.00+ | 25 | .007 | ---- | ---- | 1 | UNCH | 14.90B | .60A |
| 1050 | ---- | 1.25B | ---- | ---- | 1.35+ | 35 | .010 | ---- | ---- | 5 | UNCH | 19.00B | .70 |
| 1075 | ---- | 1.50B | ---- | ---- | 1.55+ | 40 | .012 | ---- | ---- | 25 | UNCH | 21.40B | .90A |
| 1100 | ---- | 1.75B | ---- | ---- | 1.80+ | 45 | .014 | ---- | ---- | 20 | UNCH | 24.30B | .95 |
| 1125 | ---- | 2.05B | ---- | ---- | 2.10+ | 50 | .017 | ---- | ---- | 10 | UNCH | 27.20B | 1.10A |
| 1150 | ---- | 2.35B | ---- | ---- | 2.45+ | 60 | .020 | ---- | ---- | 60 | UNCH | 30.30B | 1.25A |
| 1175 | ---- | 2.70B | ---- | ---- | 2.80+ | 70 | .023 | ---- | ---- | 28 | UNCH | 33.70B | 1.45A |
| 1180 | ---- | 2.80B | ---- | ---- | 2.90+ | 75 | .024 | ---- | ---- | 20 | UNCH | 34.40B | 1.50A |
| 1190 | ---- | 2.90B | ---- | ---- | 3.05+ | 75 | .025 | ---- | ---- | 36 | UNCH | 36.30B | 1.60A |
| 1200 | ---- | 3.10B | ---- | ---- | 3.20+ | 75 | .027 | ---- | ---- | 111 | UNCH | 37.50B | 1.50 |
| 1220 | ---- | 3.40B | ---- | ---- | 3.60+ | 90 | .030 | ---- | ---- | 16 | UNCH | 41.00B | 1.90A |
| 1225 | ---- | 3.50B | ---- | ---- | 3.70+ | 90 | .031 | ---- | ---- | 31 | UNCH | 42.00B | 1.95A |
| 1230 | ---- | 3.60B | ---- | ---- | 3.80+ | 95 | .032 | ---- | ---- | 41 | UNCH | 42.70B | 2.00A |
| 1240 | ---- | 3.80B | ---- | ---- | 4.00+ | 100 | .034 | ---- | ---- | 22 | UNCH | 44.50B | 2.15A |
| 1250 | ---- | 4.10B | ---- | ---- | 4.25+ | 105 | .036 | ---- | ---- | 32 | UNCH | 46.40B | 2.25A |
| 1260 | ---- | 4.30B | ---- | ---- | 4.50+ | 115 | .039 | ---- | ---- | 20 | UNCH | 48.30B | 2.20A |
| 1270 | ---- | 4.50B | ---- | ---- | 4.75+ | 120 | .041 | ---- | ---- | 32 | UNCH | 50.30B | 2.50A |
| 1275 | ---- | 4.70B | ---- | ---- | 4.85+ | 120 | .042 | ---- | ---- | 10 | UNCH | 51.70B | 2.40A |
| 1280 | ---- | 4.80B | ---- | ---- | 5.00+ | 125 | .044 | ---- | ---- | 10 | UNCH | 52.40B | 2.45A |
| 1300 | ---- | 5.40B | ---- | ---- | 5.60+ | 145 | .050 | ---- | ---- | 35 | UNCH | 57.10B | 2.80A |
| 1310 | ---- | 5.70B | ---- | ---- | 5.90+ | 150 | .053 | ---- | ---- | 16 | UNCH | 59.50B | 2.90A |
| 1320 | ---- | 6.10B | ---- | ---- | 6.30+ | 165 | .056 | ---- | ---- | 100 | UNCH | 61.80B | 3.10A |
| 1325 | ---- | 6.20B | ---- | ---- | 6.50+ | 170 | .058 | ---- | ---- | 2 | UNCH | 63.00B | 3.20A |
| 1340 | ---- | 6.80B | ---- | ---- | 7.00+ | 180 | .063 | ---- | ---- | 2 | UNCH | 67.00B | 3.50A |
| 1350 | 7.10 | 7.30B | 7.10 | ---- | 7.50+ | 200 | .068 | ---- | 1 | ---- | 1 | 70.00B | 3.70A |
| 1360 | ---- | 7.70B | ---- | ---- | 7.90+ | 210 | .072 | ---- | ---- | 14 | UNCH | 72.80B | 3.90A |
| 1370 | ---- | 8.20B | ---- | ---- | 8.40+ | 220 | .077 | ---- | ---- | 14 | UNCH | 75.50B | 4.10A |
| 1375 | ---- | 8.50B | 6.30A | ---- | 8.60+ | 220 | .079 | ---- | ---- | 10 | UNCH | 77.40B | 4.20A |
| 1380 | ---- | 8.70B | 6.50A | ---- | 8.90+ | 230 | .082 | ---- | ---- | 19 | UNCH | 79.00B | 4.30A |
| 1390 | ---- | 9.30B | 6.90A | ---- | 9.40+ | 240 | .087 | ---- | ---- | 8 | UNCH | 82.00B | 4.60A |
| 1400 | ---- | 9.90B | 7.30A | ---- | 10.00+ | 260 | .093 | ---- | ---- | 102 | UNCH | 85.20B | 4.90A |
| 1405 | ---- | 10.20B | ---- | ---- | 10.30+ | 270 | .097 | ---- | ---- | 22 | UNCH | 54.30B | 5.00A |
| 1420 | ---- | 11.20B | 8.30A | ---- | 11.30+ | 290 | .107 | ---- | ---- | 19 | UNCH | 92.30B | 5.50A |
| 1425 | 9.50 | 11.60B | 8.50A | ---- | 11.70+ | 310 | .110 | ---- | 3 | 22 + | 3 | 94.20B | 5.60A |
| 1435 | ---- | 12.40B | 9.10A | ---- | 12.50+ | 330 | .118 | ---- | ---- | 18 | UNCH | 63.40B | 6.00A |
| 1440 | ---- | 12.80B | 9.40A | ---- | 12.90+ | 340 | .122 | ---- | ---- | 4 | UNCH | 100.40B | 6.10A |
| 1445 | ---- | 13.20B | 9.70A | ---- | 13.30+ | 350 | .126 | ---- | ---- | 20 | UNCH | 66.80B | 6.30A |
| 1450 | 10.00 | 13.60B | 10.00 | ---- | 13.80+ | 370 | .131 | ---- | 5 | 60 + | 5 | 104.00B | 6.50A |
| 1455 | ---- | 14.10B | 10.30A | ---- | 14.20+ | 380 | .135 | ---- | ---- | 21 | UNCH | 70.30B | 6.70A |
| 1460 | ---- | 14.60B | 10.60A | ---- | 14.70+ | 390 | .140 | ---- | ---- | 9 | UNCH | 108.50B | 6.90A |
| 1465 | ---- | 15.10B | 11.00A | ---- | 15.20+ | 400 | .145 | ---- | ---- | 20 | UNCH | 74.00B | 7.20A |
| 1470 | ---- | 15.60B | 11.40A | ---- | 15.70+ | 420 | .150 | ---- | ---- | 27 | UNCH | 113.10B | 7.40A |
| 1475 | ---- | 16.10B | 11.70A | ---- | 16.20+ | 430 | .155 | ---- | ---- | 72 | UNCH | 115.10B | 7.60A |
| 1480 | ---- | 16.70B | 12.10A | ---- | 16.80+ | 450 | .160 | ---- | ---- | 21 | UNCH | 117.40B | 7.90A |
| 1490 | ---- | 17.80B | 13.00A | ---- | 17.90+ | 470 | .171 | ---- | ---- | 5 | UNCH | 122.10B | 8.40A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1500 | 18.40 | 19.10B | 13.90A | ---- | 19.20+ | 510 | .184 | ---- | 1 | 119 | UNCH | 126.90B | 8.90A |
| 1510 | ---- | 20.50B | 14.80A | ---- | 20.50+ | 540 | .196 | ---- | ---- | 43 | UNCH | 132.30B | 9.50A |
| 1520 | ---- | 21.90B | 15.90A | ---- | 21.90+ | 570 | .210 | ---- | ---- | 3 | UNCH | 137.10B | 10.10A |
| 1525 | ---- | 22.70B | 16.40A | ---- | 22.70+ | 590 | .218 | ---- | ---- | 37 | UNCH | 139.80B | 10.50A |
| 1530 | ---- | 23.50B | 17.00A | ---- | 23.50+ | 620 | .225 | ---- | ---- | 13 | UNCH | 142.60B | 10.90A |
| 1540 | ---- | 25.20B | 18.20A | ---- | 25.20+ | 660 | .241 | ---- | ---- | 32 | UNCH | 148.50B | 11.60A |
| 1545 | ---- | 26.10B | 18.90A | ---- | 26.10+ | 690 | .250 | ---- | ---- | 27 | UNCH | 110.70B | 12.00A |
| 1550 | ---- | 27.10B | 19.60A | ---- | 27.00+ | 710 | .258 | ---- | ---- | 44 | UNCH | 154.30B | 12.40A |
| 1555 | ---- | 28.10B | 20.30A | ---- | 28.00+ | 740 | .267 | ---- | ---- | 22 | UNCH | 115.50B | 12.90A |
| 1560 | ---- | 29.10B | 21.00A | ---- | 29.00+ | 760 | .277 | ---- | ---- | 35 | UNCH | 160.40B | 13.40A |
| 1570 | ---- | 31.20B | 22.60A | ---- | 31.20+ | 820 | .296 | ---- | ---- | 24 | UNCH | 166.40B | 14.40A |
| 1575 | ---- | 32.40B | 23.40A | ---- | 32.30+ | 850 | .306 | ---- | ---- | 24 | UNCH | 169.50B | 14.90A |
| 1580 | ---- | 33.60B | 24.30A | ---- | 33.50+ | 880 | .317 | ---- | ---- | 18 | UNCH | 172.70B | 15.50A |
| 1585 | ---- | 34.80B | 25.20A | ---- | 34.80+ | 910 | .328 | ---- | ---- | 3 | UNCH | 133.60B | 16.00A |
| 1590 | ---- | 36.10B | 26.10A | ---- | 36.00+ | 940 | .339 | ---- | ---- | 14 | UNCH | 179.30B | 16.60A |
| 1595 | ---- | 37.40B | 27.10A | ---- | 37.40+ | 980 | .351 | ---- | ---- | 44 | UNCH | 140.10B | 17.30A |
| 1600 | 37.20 | 38.80B | 28.10A | ---- | 38.80+ | 1020 | .363 | ---- | 1 | 179 + | 1 | 186.50B | 17.80 |
| 1605 | ---- | 40.30B | 29.20A | ---- | 40.20+ | 1050 | .375 | ---- | ---- | 41 | UNCH | 146.90B | 18.60A |
| 1610 | ---- | 41.80B | 30.30A | ---- | 41.70+ | 1080 | .387 | ---- | ---- | 44 | UNCH | 193.30B | 19.30A |
| 1615 | ---- | 43.40B | 31.50A | ---- | 43.30+ | 1130 | .400 | ---- | ---- | 8 | UNCH | 153.50B | 20.10A |
| 1620 | ---- | 45.00B | 32.70A | ---- | 44.90+ | 1170 | .414 | ---- | ---- | 6 | UNCH | 200.50B | 20.90A |
| 1625 | ---- | 46.70B | 33.90A | ---- | 46.60+ | 1210 | .427 | ---- | ---- | 8 | UNCH | 204.10B | 21.50 |
| 1630 | ---- | 48.50B | 35.20A | ---- | 48.30+ | 1250 | .441 | ---- | ---- | 28 | UNCH | 208.00B | 22.60A |
| 1635 | ---- | 50.30B | 36.60A | ---- | 50.20+ | 1300 | .456 | ---- | ---- | 5 | UNCH | 168.10B | 23.50A |
| 1640 | ---- | 52.20B | 38.00A | ---- | 52.10+ | 1340 | .470 | ---- | ---- | 20 | UNCH | 215.70B | 24.40A |
| 1645 | ---- | 54.20B | 39.50A | ---- | 54.00+ | 1380 | .485 | ---- | ---- | 7 | UNCH | 173.60B | 25.50A |
| 1650 | ---- | 56.30B | 41.10A | ---- | 56.10+ | 1440 | .500 | ---- | ---- | 79 | UNCH | 223.10B | 26.50 |
| 1655 | ---- | 58.40B | 42.70A | ---- | 58.20+ | 1480 | .516 | ---- | ---- | 6 | UNCH | 181.30B | 27.60A |
| 1660 | ---- | 60.70B | 44.40A | ---- | 60.40+ | 1530 | .531 | ---- | ---- | 76 | UNCH | 230.90B | 28.80A |
| 1670 | ---- | 65.40B | 48.00A | ---- | 65.10+ | 1640 | .564 | ---- | ---- | 3 | UNCH | 238.90B | 31.30A |
| 1680 | ---- | 70.40B | 52.00A | ---- | 70.10+ | 1740 | .596 | ---- | ---- | 8 | UNCH | 247.10B | 34.10A |
| 1685 | ---- | 73.10B | 54.10A | ---- | 72.70+ | 1790 | .613 | ---- | ---- | 2 | UNCH | 205.70B | 35.60A |
| 1690 | ---- | 75.90B | 56.30A | ---- | 75.50+ | 1850 | .629 | ---- | ---- | 3 | UNCH | 256.00B | 37.20A |
| 1705 | ---- | 84.70B | 63.40A | ---- | 84.30+ | 2010 | .680 | ---- | ---- | 11 | UNCH | 222.80B | 42.50A |
| 1725 | ---- | 97.80B | 74.30A | ---- | 97.40+ | 2220 | .744 | ---- | ---- | 11 | UNCH | 286.30B | 50.70A |
| 1760 | ---- | 123.00B | 97.40A | ---- | 123.90+ | 2550 | .843 | ---- | ---- | 8 | UNCH | 317.50B | 69.00A |
| TOTAL | | | | | | | | | 11 | 2418 + | 8 | | |
| DEC18 | | | | | | | | | | | | | |
| 1000 | ---- | 2.80B | ---- | ---- | 3.05+ | 60 | .018 | ---- | ---- | 2 | UNCH | 11.80B | 1.95A |
| 1075 | ---- | 4.25B | ---- | ---- | 4.40+ | 80 | .026 | ---- | ---- | 61 | UNCH | 16.30B | 3.70A |
| 1100 | ---- | 4.80B | ---- | ---- | 5.00+ | 95 | .030 | ---- | ---- | 49 | UNCH | 18.20B | 3.00 |
| 1125 | ---- | 5.40B | ---- | ---- | 5.60+ | 100 | .034 | ---- | ---- | 22 | UNCH | 20.40B | 3.45 |
| 1150 | ---- | 6.10B | ---- | ---- | 6.40+ | 120 | .039 | ---- | ---- | 38 | UNCH | 22.80B | 3.65 |
| 1190 | ---- | 7.50B | ---- | ---- | 7.80+ | 160 | .049 | ---- | ---- | 19 | UNCH | 24.30B | 4.65 |
| 1200 | ---- | 7.90B | ---- | ---- | 8.10+ | 160 | .051 | ---- | ---- | 5 | UNCH | 28.60B | 5.00A |
| 1225 | ---- | 8.90B | ---- | ---- | 9.20+ | 180 | .058 | ---- | ---- | 19 | UNCH | 31.90B | 5.50 |
| 1250 | ---- | 10.10B | ---- | ---- | 10.40+ | 210 | .066 | ---- | ---- | 81 | UNCH | 35.60B | 6.30A |
| 1300 | ---- | 12.90B | ---- | ---- | 13.20+ | 260 | .085 | ---- | ---- | 5 | UNCH | 44.40B | 7.90A |
| 1400 | ---- | 21.30B | ---- | ---- | 21.60+ | 430 | .141 | ---- | ---- | 61 | UNCH | 69.10B | 12.20A |
| 1425 | ---- | 24.30B | ---- | ---- | 24.50+ | 480 | .161 | ---- | ---- | 52 | UNCH | 77.00B | 13.80A |
| 1430 | ---- | 24.90B | ---- | ---- | 25.10+ | 490 | .165 | ---- | ---- | 4 | UNCH | 78.70B | 14.20A |
| 1460 | ---- | 29.10B | ---- | ---- | 29.20+ | 570 | .192 | ---- | ---- | 22 | UNCH | 89.60B | 16.50A |
| 1470 | ---- | 30.60B | ---- | ---- | 30.80+ | 610 | .202 | ---- | ---- | 16 | UNCH | 93.50B | 17.40A |
| 1475 | ---- | 31.40B | ---- | ---- | 31.60+ | 630 | .207 | ---- | ---- | 40 | UNCH | 95.50B | 17.80A |
| 1490 | ---- | 34.00B | ---- | ---- | 34.10+ | 680 | .223 | ---- | ---- | 50 | UNCH | 101.70B | 19.30A |
| 1500 | 32.00 | 35.90B | 32.00 | ---- | 35.90+ | 720 | .234 | ---- | 15 | 138 | UNCH | 106.10B | 20.30A |
| 1525 | ---- | 40.90B | ---- | ---- | 40.90+ | 810 | .265 | ---- | ---- | 10 | UNCH | 117.60B | 23.20A |
| 1530 | ---- | 41.90B | ---- | ---- | 41.90+ | 820 | .272 | ---- | ---- | 15 | UNCH | 120.00B | 23.90A |
| 1540 | ---- | 44.20B | ---- | ---- | 44.20+ | 870 | .286 | ---- | ---- | 16 | UNCH | 125.00B | 25.20A |
| 1550 | ---- | 46.60B | ---- | ---- | 46.50+ | 900 | .300 | ---- | ---- | 75 | UNCH | 130.20B | 26.60A |
| 1560 | ---- | 49.10B | ---- | ---- | 49.00+ | 940 | .315 | ---- | ---- | 19 | UNCH | 135.50B | 28.20A |
| 1570 | ---- | 51.70B | ---- | ---- | 51.60+ | 980 | .330 | ---- | ---- | 25 | UNCH | 141.00B | 29.80A |
| 1580 | ---- | 54.50B | ---- | ---- | 54.40+ | 1040 | .346 | ---- | ---- | 1 | UNCH | 145.10B | 31.50A |
| 1590 | ---- | 57.40B | ---- | ---- | 57.30+ | 1090 | .363 | ---- | ---- | 1 | UNCH | 149.10B | 33.30A |
| 1600 | ---- | 60.50B | ---- | ---- | 60.40+ | 1140 | .380 | ---- | ---- | 15 | UNCH | 155.60B | 34.50 |
| 1610 | ---- | 63.80B | ---- | ---- | 63.70+ | 1210 | .398 | ---- | ---- | 3 | UNCH | 161.80B | 37.40A |
| 1615 | ---- | #65.50B | ---- | ---- | 65.40+ | 1230 | .408 | ---- | ---- | 24 | UNCH | 65.50B | 38.50A |
| 1625 | ---- | 69.00B | ---- | ---- | 68.90+ | 1290 | .427 | ---- | ---- | 1 | UNCH | 171.40B | 40.70A |
| 1630 | ---- | 70.80B | ---- | ---- | 70.70+ | 1310 | .436 | ---- | ---- | 23 | UNCH | 174.70B | 41.90A |
| 1640 | ---- | 74.60B | ---- | ---- | 74.50+ | 1370 | .456 | ---- | ---- | 7 | UNCH | 181.40B | 44.50A |
| 1650 | ---- | 78.60B | ---- | ---- | 78.50+ | 1430 | .477 | ---- | ---- | 43 | UNCH | 188.20B | 47.10A |
| 1660 | ---- | 82.80B | ---- | ---- | 82.60+ | 1480 | .498 | ---- | ---- | 52 | UNCH | 195.40B | 50.00A |
| 1670 | ---- | 87.20B | ---- | ---- | 87.00+ | 1550 | .519 | ---- | ---- | 113 | UNCH | 202.60B | 53.00A |
| 1675 | ---- | 89.40B | ---- | ---- | 89.30+ | 1590 | .530 | ---- | ---- | 61 | UNCH | 206.10B | 54.60A |
| 1680 | ---- | 91.80B | ---- | ---- | 91.70+ | 1640 | .541 | ---- | ---- | 80 | UNCH | 209.70B | 56.20A |
| 1690 | ---- | 96.60B | ---- | ---- | 96.50+ | 1720 | .563 | ---- | ---- | 55 | UNCH | 217.60B | 59.60A |
| 1700 | ---- | 101.70B | ---- | ---- | 101.60+ | 1810 | .585 | ---- | ---- | 47 | UNCH | 225.10B | 63.20A |
| 1710 | ---- | 107.00B | ---- | ---- | 106.90+ | 1880 | .608 | ---- | ---- | 2 | UNCH | 232.70B | 67.00A |
| 1775 | ---- | 148.00B | ---- | ---- | 147.60+ | 2330 | .753 | ---- | ---- | 5 | UNCH | 287.40B | 97.70A |
| 1780 | ---- | 151.60B | ---- | ---- | 151.20+ | 2360 | .763 | ---- | ---- | 30 | UNCH | 291.90B | 100.50A |
| 1785 | ---- | #155.20B | ---- | ---- | 154.80+ | 2390 | .773 | ---- | ---- | 35 | UNCH | 155.20B | 103.40A |
| 1790 | ---- | 159.00B | ---- | ---- | 158.60+ | 2430 | .783 | ---- | ---- | 21 | UNCH | 300.80B | 106.40A |
| 1795 | ---- | #162.70B | ---- | ---- | 162.30+ | 2460 | .793 | ---- | ---- | 14 | UNCH | 162.70B | 109.40A |
| 1800 | ---- | 166.60B | ---- | ---- | 166.20+ | 2500 | .803 | ---- | ---- | 6 | UNCH | 309.80B | 112.50A |
| 1805 | ---- | #168.90B | ---- | ---- | 170.00+ | 2520 | .812 | ---- | ---- | 19 | UNCH | 168.90B | 115.70A |
| 1810 | ---- | 172.90B | ---- | ---- | 174.00+ | 2560 | .821 | ---- | ---- | 16 | UNCH | 319.00B | 118.50 |
| 1815 | ---- | #176.90B | ---- | ---- | 178.00+ | 2580 | .830 | ---- | ---- | 15 | UNCH | 176.90B | 121.20 |
| TOTAL | | | | | | | | | 15 | 1533 | | | |

### ADDITIONAL NASDAQ PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON OOF | | | | | | | | | | | | | |
| 201807C | ON OOF | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .000 | ---- | ---- | 312 | UNCH | 10.75B | .80A |
| 5300 | ---- | 1.15B | *.95A | ---- | 1.45+ | 0.40 | .004 | ---- | ---- | 154 | UNCH | 41.50B | .95A |
| 5450 | ---- | 1.80B | *1.30A | ---- | 2.15+ | 0.60 | .007 | ---- | ---- | 322 | UNCH | 52.25B | 1.30A |
| 5500 | ---- | 2.05B | *1.45A | ---- | 2.50+ | 0.75 | .008 | ---- | ---- | 3 | UNCH | 57.00B | 1.45A |
| 5520 | ---- | 2.20B | *1.50A | ---- | 2.60+ | 0.75 | .008 | ---- | ---- | 10 | UNCH | 59.00B | 1.50A |
| 5570 | ---- | 2.50B | *1.65A | ---- | 2.95+ | 0.85 | .010 | ---- | ---- | 72 | UNCH | 64.25B | 1.65A |
| 5630 | ---- | 2.95B | *1.90A | ---- | 3.45+ | 1.00 | .012 | ---- | ---- | 5 | UNCH | 70.75B | 1.90A |
| 5730 | ---- | 3.85B | 2.40A | ---- | 4.45+ | 1.35 | .015 | ---- | ---- | 4 | UNCH | 83.75B | 2.40A |
| 5780 | ---- | 4.40B | 2.70A | ---- | 5.00+ | 1.55 | .017 | ---- | ---- | 5 | UNCH | 90.75B | 2.65A |
| 5790 | ---- | 4.55B | 2.75A | ---- | 5.25+ | 1.70 | .018 | ---- | ---- | 5 | UNCH | 92.25B | 2.70A |
| 5800 | ---- | 4.65B | 2.85A | ---- | 5.25+ | 1.60 | .018 | ---- | 38 | 330 - | 38 | 94.50B | 2.75A |
| 5850 | ---- | 5.25B | 3.20A | ---- | 6.00+ | 1.90 | .021 | ---- | ---- | 17 | UNCH | 102.75B | 3.10A |
| 5880 | ---- | 5.75B | 3.45A | ---- | 6.50+ | 2.10 | .023 | ---- | ---- | 7 | UNCH | 107.75B | 3.30A |
| 5890 | ---- | 6.00B | 3.50A | ---- | 6.50+ | 2.00 | .023 | ---- | ---- | 5 | UNCH | 109.25B | 3.35A |
| 5900 | ---- | 6.25B | 3.60A | ---- | 6.75+ | 2.15 | .024 | ---- | ---- | 66 | UNCH | 111.25B | 3.45A |
| 5940 | ---- | 7.00B | 3.95A | ---- | 7.50+ | 2.50 | .027 | ---- | ---- | 10 | UNCH | 118.50B | 3.75A |
| 5950 | ---- | 7.25B | 4.05A | ---- | 7.75+ | 2.50 | .028 | ---- | ---- | 68 | UNCH | 120.50B | 3.80A |
| 5980 | ---- | 7.75B | 4.35A | ---- | 8.25+ | 2.75 | .030 | ---- | ---- | 2 | UNCH | 126.25B | 4.05A |
| 5990 | ---- | 8.00B | 4.50A | ---- | 8.50+ | 2.75 | .031 | ---- | ---- | 20 | UNCH | 128.25B | 4.15A |
| 6000 | ---- | 8.25B | 4.60A | ---- | 8.75+ | 3.00 | .032 | ---- | 33 | 56 + | 2 | 130.50B | 4.00 |
| 6040 | ---- | 9.25B | 5.25A | ---- | 9.75+ | 3.25 | .036 | ---- | ---- | 1 | UNCH | 139.00B | 4.60A |
| 6050 | ---- | 9.50B | 5.25A | ---- | 10.00+ | 3.50 | .037 | ---- | ---- | 1 | UNCH | 141.25B | 4.70A |
| 6090 | ---- | 10.75B | 5.75A | ---- | 11.00+ | 3.75 | .041 | ---- | ---- | 144 | UNCH | 150.50B | 5.25A |
| 6100 | ---- | 11.00B | 6.00A | ---- | 11.25+ | 3.75 | .042 | ---- | ---- | 1 | UNCH | 152.75B | 5.25A |
| 6110 | ---- | 11.25B | 6.00A | ---- | 11.50+ | 4.00 | .043 | ---- | 289 | 254 + | 210 | 155.50B | 5.50A |
| 6120 | ---- | 11.75B | 6.25A | ---- | 11.75+ | 4.00 | .044 | ---- | ---- | 15 | UNCH | 158.50B | 5.50A |
| 6130 | ---- | 12.00B | 6.25A | ---- | 12.25+ | 4.25 | .046 | ---- | ---- | 2 | UNCH | 160.75B | 5.75A |
| 6150 | ---- | 12.75B | 6.75A | ---- | 12.75+ | 4.50 | .048 | ---- | ---- | 10 | UNCH | 165.50B | 5.75A |
| 6160 | ---- | 13.00B | 6.75A | ---- | 13.25+ | 4.75 | .050 | ---- | ---- | 6 | UNCH | 168.75B | 6.00A |
| 6190 | ---- | 14.25B | 7.25A | ---- | 14.25+ | 5.00 | .054 | ---- | ---- | 5 | UNCH | 177.00B | 6.25A |
| 6200 | 8.75 | 16.00 | 7.50A | ---- | 14.75+ | 5.25 | .055 | ---- | 140 | 121 - | 13 | 179.25B | 6.00 |
| 6240 | ---- | 16.50B | 8.25A | ---- | 16.25+ | 5.75 | .062 | ---- | ---- | 1 | UNCH | 191.25B | 7.00A |
| 6250 | ---- | 17.00B | 8.50A | ---- | 16.75+ | 6.00 | .063 | ---- | ---- | 2 | UNCH | 194.50B | 7.25A |
| 6270 | ---- | 18.00B | 9.00A | ---- | 17.75+ | 6.50 | .067 | ---- | ---- | 5 | UNCH | 200.50B | 7.50A |
| 6280 | ---- | 18.50B | 9.25A | ---- | 18.25+ | 6.50 | .069 | ---- | ---- | 1 | UNCH | 203.50B | 7.50A |
| 6300 | 14.50 | 19.75B | 9.75A | ---- | 19.25+ | 7.00 | .073 | ---- | 60 | 449 + | 6 | 209.50B | 7.75A |
| 6330 | ---- | 21.50B | 10.50A | ---- | 21.00+ | 7.75 | .080 | ---- | ---- | 2 | UNCH | 219.50B | 8.25A |
| 6340 | ---- | 22.25B | 10.75A | ---- | 21.50+ | 7.75 | .082 | ---- | ---- | 5 | UNCH | 223.50B | 8.50A |
| 6350 | ---- | 22.75B | 11.00A | ---- | 22.25+ | 8.25 | .085 | ---- | ---- | 12 | UNCH | 226.75B | 8.75A |
| 6360 | ---- | 23.50B | 11.25A | ---- | 22.75+ | 8.25 | .087 | ---- | ---- | 5 | UNCH | 230.50B | 9.00A |
| 6370 | ---- | 24.25B | 11.50A | ---- | 23.50+ | 8.75 | .090 | ---- | ---- | 60 | UNCH | 233.50B | 9.00A |
| 6380 | ---- | 25.00B | 12.00A | ---- | 24.25+ | 9.00 | .092 | ---- | ---- | 76 | UNCH | 237.00B | 9.25A |
| 6390 | ---- | 25.75B | 12.25A | ---- | 24.75+ | 9.00 | .095 | ---- | ---- | 5 | UNCH | 241.25B | 9.50A |
| 6400 | ---- | 26.50B | 12.50A | ---- | 25.50+ | 9.50 | .097 | ---- | 40 | 153 + | 10 | 245.00B | 8.50 |
| 6430 | ---- | 28.75B | 13.50A | ---- | 27.75+ | 10.25 | .106 | ---- | ---- | 5 | UNCH | 256.50B | 10.25A |

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON OOF | | | | | | | | | | | | | |
| 6440 | ---- | 29.75B | 14.00A | ---- | 28.75+ | 10.75 | .110 | ---- | ---- | 14 | UNCH | 260.50B | 10.50A |
| 6450 | ---- | 30.50B | 14.25A | ---- | 29.50+ | 11.00 | .113 | ---- | ---- | 59 | UNCH | 263.75B | 10.75A |
| 6470 | ---- | 32.50B | 15.25A | ---- | 31.25+ | 11.75 | .119 | ---- | ---- | 2 | UNCH | 272.50B | 11.25A |
| 6490 | ---- | 34.50B | 16.00A | ---- | 33.25+ | 12.50 | .127 | ---- | ---- | 5 | UNCH | 280.00B | 11.75A |
| 6500 | 17.25 | 35.50B | 16.50A | ---- | 34.00+ | 12.75 | .130 | ---- | 42 | 81 - | 25 | 284.25B | 12.00A |
| 6510 | ---- | 36.50B | 17.00A | ---- | 35.00+ | 13.00 | .133 | ---- | ---- | 11 | UNCH | 288.75B | 12.25A |
| 6520 | ---- | 37.50B | 17.50A | ---- | 36.25+ | 13.75 | .138 | ---- | ---- | 6 | UNCH | 293.00B | 12.50A |
| 6530 | ---- | 38.75B | 18.00A | ---- | 37.25+ | 14.00 | .142 | ---- | ---- | 1 | UNCH | 297.50B | 12.75A |
| 6540 | ---- | 39.75B | 18.50A | ---- | 38.25+ | 14.25 | .145 | ---- | ---- | 4 | UNCH | 302.00B | 13.00A |
| 6550 | ---- | 41.00B | 19.00A | ---- | 39.50+ | 14.75 | .150 | ---- | ---- | 29 | UNCH | 306.50B | 13.25A |
| 6560 | ---- | 42.25B | 19.50A | ---- | 40.50+ | 15.25 | .154 | ---- | ---- | 1 | UNCH | 311.00B | 13.50A |
| 6570 | ---- | 43.50B | 20.25A | ---- | 41.75+ | 15.75 | .158 | ---- | 1 | 1 + | 1 | 315.75B | 14.00A |
| 6580 | ---- | 44.75B | 20.75A | ---- | 43.00+ | 16.00 | .163 | ---- | ---- | 7 | UNCH | 320.50B | 14.25A |
| 6600 | ---- | 47.50B | 22.00A | ---- | 45.50+ | 17.00 | .172 | ---- | 385 | 461 + | 173 | 331.00B | 14.75 |
| 6610 | ---- | 48.75B | 22.75A | ---- | 47.00+ | 17.50 | .177 | ---- | ---- | 4 | UNCH | 336.25B | 15.25A |
| 6620 | ---- | 50.25B | 23.25A | ---- | 48.25+ | 18.00 | .182 | ---- | ---- | 6 | UNCH | 341.00B | 15.50A |
| 6630 | ---- | 51.75B | 24.00A | ---- | 49.75+ | 18.50 | .188 | ---- | ---- | 7 | UNCH | 346.25B | 16.00 |
| 6640 | ---- | 53.25B | 24.75A | ---- | 51.25+ | 19.25 | .193 | ---- | ---- | 12 | UNCH | 351.25B | 16.25A |
| 6650 | 31.50 | 54.75B | 25.50A | ---- | 52.75+ | 19.75 | .198 | ---- | 35 | 124 + | 24 | 356.50B | 16.25 |
| 6660 | ---- | 56.50B | 26.25A | ---- | 54.25+ | 20.25 | .204 | ---- | ---- | 6 | UNCH | 362.00B | 17.25A |
| 6670 | ---- | 58.00B | 27.00A | ---- | 55.75+ | 20.75 | .209 | ---- | ---- | 14 | UNCH | 367.25B | 17.50A |
| 6680 | ---- | 59.75B | 28.00A | ---- | 57.50+ | 21.25 | .215 | ---- | 1 | 25 + | 1 | 372.75B | 18.00A |
| 6690 | ---- | 61.50B | 28.75A | ---- | 59.25+ | 22.00 | .222 | ---- | ---- | 4 | UNCH | 378.00B | 18.50A |
| 6700 | 32.75 | 63.25B | 29.75A | ---- | 60.75+ | 22.25 | .227 | ---- | 25 | 181 + | 4 | 384.00B | 17.75 |
| 6710 | ---- | 65.25B | 30.50A | ---- | 62.75+ | 23.25 | .234 | ---- | ---- | 87 | UNCH | 389.50B | 19.50A |
| 6720 | ---- | 67.00B | 31.50A | ---- | 64.50+ | 23.75 | .240 | ---- | ---- | 66 | UNCH | 395.00B | 20.00A |
| 6730 | ---- | 69.00B | 32.50A | ---- | 66.25+ | 24.25 | .247 | ---- | ---- | 1 | UNCH | 401.25B | 20.50A |
| 6740 | ---- | 71.00B | 33.50A | ---- | 68.25+ | 25.00 | .254 | ---- | ---- | 22 | UNCH | 407.25B | 21.00A |
| 6750 | 46.75 | 73.25B | 34.75A | ---- | 70.25+ | 25.50 | .260 | ---- | 2 | 156 + | 1 | 413.00B | 21.50A |
| 6760 | ---- | 75.25B | 35.75A | ---- | 72.25+ | 26.25 | .268 | ---- | ---- | 5 | UNCH | 419.00B | 22.00A |
| 6770 | 53.25 | 77.50B | 37.00A | ---- | 74.25+ | 26.75 | .275 | ---- | 48 | 95 - | 16 | 425.25B | 22.50A |
| 6780 | ---- | 79.75B | 38.00A | ---- | 76.50+ | 27.50 | .282 | ---- | 1 | 88 - | 1 | 431.50B | 23.00A |
| 6800 | 71.00 | 85.00 | 40.50A | ---- | 81.00+ | 29.00 | .298 | ---- | 108 | 343 | UNCH | 444.75B | 24.00A |
| 6810 | 53.50 | 86.75B | 41.75A | ---- | 83.25+ | 29.75 | .305 | ---- | 5 | 7 + | 1 | 449.50B | 24.75A |
| 6820 | ---- | 89.25B | 43.25A | ---- | 85.75+ | 30.50 | .314 | ---- | ---- | 20 | UNCH | 451.00B | 25.25A |
| 6830 | ---- | 92.00B | 44.50A | ---- | 88.25+ | 31.50 | .322 | ---- | 4 | 18 + | 4 | 457.50B | 25.75A |
| 6840 | 58.50 | 94.50B | 46.00A | ---- | 90.75+ | 32.25 | .330 | ---- | 4 | 80 + | 4 | 464.25B | 26.50A |
| 6850 | 92.00 | 97.25B | 47.50A | ---- | 93.25+ | 33.00 | .339 | ---- | 50 | 78 + | 50 | 471.00B | 27.25A |
| 6860 | 48.00 | 100.00B | 48.00 | ---- | 96.00+ | 33.75 | .348 | ---- | 2 | 7 + | 1 | 478.00B | 27.75A |
| 6870 | 60.00 | 102.75B | 50.50A | ---- | 98.75+ | 34.75 | .357 | ---- | 18 | 124 + | 18 | 484.75B | 28.50A |
| 6880 | ---- | 105.75B | 52.25A | ---- | 101.75+ | 35.75 | .366 | ---- | ---- | 24 | UNCH | 491.75B | 29.25A |
| 6890 | ---- | 108.75B | 53.75A | ---- | 104.50+ | 36.50 | .375 | ---- | 2 | 8 + | 1 | 499.00B | 30.00A |
| 6900 | 93.00 | 111.75B | 55.50A | ---- | 107.50+ | 37.50 | .385 | ---- | 15 | 217 - | 13 | 506.00B | 30.75A |
| 6910 | 65.00 | 115.00B | 57.25A | ---- | 110.75+ | 38.50 | .395 | ---- | 2 | 87 | UNCH | 514.50B | 31.50A |
| 6920 | ---- | 118.25B | 59.25A | ---- | 113.75+ | 39.50 | .405 | ---- | ---- | 6 | UNCH | 521.75B | 32.25A |
| 6930 | ---- | 121.50B | 61.00A | ---- | 117.00+ | 40.50 | .415 | ---- | ---- | 10 | UNCH | 529.00B | 33.25A |
| 6940 | 125.00 | 125.00 | 63.00A | ---- | 120.50+ | 41.75 | .425 | ---- | 1 | 9 + | 1 | 536.50B | 34.00A |
| 6950 | 97.75 | 128.50B | 65.00A | ---- | 124.00+ | 42.75 | .436 | ---- | 10 | 212 + | 1 | 544.00B | 35.00A |
| 6960 | ---- | 132.00B | 67.00A | ---- | 127.50+ | 43.75 | .447 | ---- | ---- | 7 | UNCH | 551.50B | 36.00A |
| 6970 | 127.50 | 137.00 | 69.00A | ---- | 131.25+ | 45.25 | .458 | ---- | 2 | 113 | UNCH | 558.25B | 36.75A |
| 6980 | ---- | 139.50B | 71.25A | ---- | 135.00+ | 46.25 | .469 | ---- | 1 | 14 | UNCH | 566.00B | 37.75A |
| 6990 | ---- | 143.50B | 73.50A | ---- | 138.75+ | 47.50 | .480 | ---- | ---- | 4 | UNCH | 574.00B | 39.00A |
| 7000 | 89.25 | 149.00 | 76.00A | ---- | 142.75+ | 48.75 | .492 | ---- | 109 | 516 + | 48 | 582.00B | 40.00A |
| 7020 | 145.00 | 155.75B | 80.75A | ---- | 151.00+ | 51.25 | .515 | ---- | 1 | 26 | UNCH | 597.50B | 42.25A |
| 7030 | ---- | 160.25B | 83.25A | ---- | 155.25+ | 52.50 | .527 | ---- | 4 | 34 + | 4 | 605.50B | 43.50A |
| 7040 | ---- | 164.50B | 86.00A | ---- | 159.75+ | 54.00 | .539 | ---- | ---- | 66 | UNCH | 613.50B | 44.75A |
| 7050 | 102.00 | 169.25B | 88.75A | ---- | 164.25+ | 55.25 | .551 | ---- | 7 | 100 | UNCH | 621.75B | 46.00A |
| 7060 | ---- | 173.75B | 91.50A | ---- | 168.75+ | 56.50 | .564 | ---- | ---- | 13 | UNCH | 629.75B | 47.25A |
| 7070 | ---- | 178.75B | 94.50A | ---- | 173.75+ | 58.00 | .576 | ---- | ---- | 20 | UNCH | 638.25B | 48.75A |
| 7080 | ---- | 183.50B | 97.50A | ---- | 178.50+ | 59.25 | .589 | ---- | ---- | 1 | UNCH | 646.50B | 50.00A |
| 7090 | ---- | 188.00B | 100.50A | ---- | 183.50+ | 60.50 | .601 | ---- | ---- | 11 | UNCH | 654.75B | 51.50A |
| 7100 | 109.75 | 193.25B | 103.75A | ---- | 188.75+ | 62.00 | .614 | ---- | 89 | 148 - | 7 | 663.25B | 53.00A |
| 7110 | ---- | 198.50B | 107.00A | ---- | 194.00+ | 63.50 | .627 | ---- | ---- | 4 | UNCH | 671.75B | 54.75A |
| 7120 | 127.00 | 204.00B | 110.50A | ---- | 199.50+ | 65.00 | .640 | ---- | 2 | 64 + | 1 | 680.25B | 56.25A |
| 7130 | ---- | 209.75B | 114.00A | ---- | 205.00+ | 66.25 | .653 | ---- | ---- | 24 | UNCH | 689.00B | 58.00A |
| 7140 | ---- | 215.25B | 117.75A | ---- | 210.75+ | 67.75 | .666 | ---- | ---- | 2 | UNCH | 697.75B | 59.75A |
| 7150 | ---- | 221.25B | 121.50A | ---- | 216.50+ | 69.00 | .679 | ---- | 95 | 392 - | 5 | 706.50B | 61.25A |
| 7160 | ---- | 227.25B | 125.50A | ---- | 222.75+ | 70.75 | .692 | ---- | ---- | 5 | UNCH | 715.25B | 63.50A |
| 7170 | ---- | 233.25B | 129.50A | ---- | 228.75+ | 72.00 | .705 | ---- | ---- | 51 | UNCH | 724.00B | 65.25A |
| 7180 | ---- | 239.75B | 133.75A | ---- | 235.25+ | 73.50 | .717 | ---- | ---- | 78 | UNCH | 733.00B | 67.50A |
| 7190 | ---- | 246.25B | 138.00A | ---- | 241.75+ | 75.00 | .730 | ---- | ---- | 8 | UNCH | 741.75B | 69.25A |
| 7200 | 172.00 | 252.75B | 142.50A | ---- | 248.25+ | 76.25 | .743 | ---- | 4 | 172 + | 2 | 750.75B | 71.50A |
| 7210 | ---- | 259.50B | 147.00A | ---- | 255.25+ | 77.75 | .754 | ---- | ---- | 6 | UNCH | 759.75B | 73.75A |
| 7220 | ---- | 259.00B | 151.75A | ---- | 262.00+ | 79.00 | .766 | ---- | ---- | 43 | UNCH | 768.75B | 76.00A |
| 7230 | ---- | 266.00B | 164.75A | ---- | 269.25+ | 80.50 | .779 | ---- | ---- | 27 | UNCH | 777.75B | 78.50A |
| 7240 | ---- | 274.00B | 170.00A | ---- | 276.50+ | 82.00 | .790 | ---- | ---- | 12 | UNCH | 787.00B | 81.00A |
| 7250 | ---- | 281.50B | 175.25A | ---- | 284.00+ | 83.25 | .801 | ---- | 90 | 479 | UNCH | 796.25B | 83.75A |
| 7260 | ---- | 289.00B | 180.75A | ---- | 291.50+ | 84.75 | .813 | ---- | ---- | 36 | UNCH | 805.25B | 86.50A |
| 7270 | ---- | 296.75B | 186.50A | ---- | 299.25+ | 86.00 | .823 | ---- | ---- | 4 | UNCH | 814.50B | 89.50A |
| 7280 | ---- | 304.50B | 192.25A | ---- | 307.00+ | 87.25 | .833 | ---- | ---- | 18 | UNCH | 823.75B | 92.50A |
| 7290 | ---- | 312.50B | 198.25A | ---- | 315.00+ | 88.50 | .843 | ---- | ---- | 8 | UNCH | 833.00B | 95.50A |
| 7300 | ---- | 320.75B | 204.50A | ---- | 323.25+ | 89.75 | .853 | ---- | ---- | 180 | UNCH | 842.50B | 97.50 |
| 7310 | ---- | 329.00B | 210.75A | ---- | 331.50+ | 91.00 | .863 | ---- | ---- | 8 | UNCH | 851.75B | 102.25A |
| 7320 | ---- | 337.00B | 217.50A | ---- | 339.75+ | 92.00 | .871 | ---- | ---- | 13 | UNCH | 861.00B | 105.75A |
| 7330 | ---- | 345.50B | 224.25A | ---- | 348.25+ | 93.00 | .879 | ---- | ---- | 3 | UNCH | 870.50B | 109.25A |
| 7340 | ---- | 354.00B | 233.25A | ---- | 356.75+ | 94.00 | .888 | ---- | ---- | 6 | UNCH | 880.00B | 113.00A |
| 7350 | ---- | 362.75B | 240.25A | ---- | 365.50+ | 95.00 | .895 | ---- | ---- | 94 | UNCH | 889.50B | 115.00 |
| 7360 | ---- | 371.25B | 247.75A | ---- | 374.25+ | 96.00 | .903 | ---- | ---- | 1 | UNCH | 899.00B | 121.00A |
| 7380 | ---- | 389.50B | 262.75A | ---- | 392.00+ | 97.50 | .917 | ---- | ---- | 4 | UNCH | 918.00B | 130.00A |
| 7400 | ---- | 407.50B | 278.50A | ---- | 410.00+ | 98.75 | .930 | ---- | ---- | 7 | UNCH | 937.00B | 135.00 |
| 7800 | ---- | 785.00B | 688.25A | ---- | 800.75+ | 105.50 | .999 | ---- | ---- | 1 | UNCH | 1321.50B | 478.50A |
| TOTAL | | | | | | | | | 1765 | 8472 + | 450 | | |
| 20180800 | ON OOF | | | | | | | | | | | | |
| 5250 | ---- | 6.25B | 5.25A | ---- | 7.25+ | 1.50 | .018 | ---- | ---- | 2 | UNCH | 12.00B | 4.35A |
| 5300 | ---- | 7.00B | 5.75A | ---- | 8.00+ | 1.75 | .019 | ---- | ---- | 1 | UNCH | 13.00B | 4.70A |
| 5400 | ---- | 8.50B | 6.75A | ---- | 9.75+ | 2.25 | .024 | ---- | ---- | 1 | UNCH | 15.50B | 5.75A |
| 5500 | ---- | 10.50B | 8.00A | ---- | 11.50+ | 2.50 | .029 | ---- | ---- | 3 | UNCH | 18.50B | 6.75A |
| 5600 | ---- | 13.00B | 9.50A | ---- | 14.00+ | 3.50 | .035 | ---- | ---- | 1 | UNCH | 22.00B | 7.75A |
| 5680 | ---- | 15.25B | 11.00A | ---- | 16.25+ | 4.00 | .041 | ---- | ---- | 1 | UNCH | 25.00B | 8.00 |
| 5690 | ---- | 15.75B | 11.00A | ---- | 16.50+ | 4.00 | .042 | ---- | ---- | 10 | UNCH | 25.50B | 9.00A |
| 5700 | ---- | 16.00B | 11.25A | ---- | 16.75+ | 4.00 | .043 | ---- | ---- | 10 | UNCH | 26.00B | 9.25A |
| 5800 | ---- | 19.50B | 13.50A | ---- | 20.25+ | 5.00 | .052 | ---- | ---- | 1 | UNCH | 30.75B | 10.50A |
| 5830 | ---- | 20.75B | 14.25A | ---- | 21.50+ | 5.50 | .055 | ---- | ---- | 39 | UNCH | 32.25B | 10.00 |
| 5900 | ---- | 24.00B | 16.00A | ---- | 24.50+ | 6.25 | .063 | ---- | ---- | 6 | UNCH | 36.25B | 12.25A |
| 5910 | ---- | 24.50B | 16.25A | ---- | 25.00+ | 6.25 | .064 | ---- | ---- | 1 | UNCH | 37.00B | 12.50A |
| 5980 | ---- | 28.00B | 18.50A | ---- | 28.75+ | 7.50 | .074 | ---- | ---- | 10 | UNCH | 41.75B | 13.75A |
| 6000 | ---- | 29.25B | 19.25A | ---- | 29.75+ | 7.75 | .077 | ---- | ---- | 36 | UNCH | 43.00B | 14.25A |
| 6100 | ---- | 36.00B | 23.25A | ---- | 36.25+ | 9.50 | .093 | ---- | ---- | 25 | UNCH | 51.00B | 16.50A |
| 6110 | ---- | 36.75B | 23.50A | ---- | 37.00+ | 9.75 | .095 | ---- | ---- | 64 | UNCH | 52.00B | 16.75A |
| 6150 | ---- | 39.75B | 25.50A | ---- | 40.00+ | 10.75 | .103 | ---- | ---- | 3 | UNCH | 55.50B | 18.00A |
| 6180 | ---- | 42.25B | 27.00A | ---- | 42.25+ | 11.25 | .109 | ---- | ---- | 2 | UNCH | 58.50B | 19.00A |
| 6190 | ---- | 43.25B | 27.50A | ---- | 43.25 | NEW | .111 | ---- | 1 | 1 + | 1 | 59.50B | 19.25A |
| 6200 | ---- | 44.00B | 28.00A | ---- | 44.00+ | 11.75 | .113 | ---- | ---- | 8 | UNCH | 60.50B | 19.50A |
| 6230 | ---- | 46.75B | 29.75A | ---- | 46.75+ | 12.50 | .120 | ---- | ---- | 1 | UNCH | 64.00B | 20.50A |
| 6240 | ---- | 48.00B | 30.25A | ---- | 47.75 | NEW | .123 | ---- | 1 | 1 + | 1 | 65.25B | 21.00A |
| 6250 | ---- | 48.75B | 30.75A | ---- | 48.75+ | 13.00 | .125 | ---- | 2 | 7 + | 1 | 66.50B | 21.25A |
| 6270 | 33.00 | 51.00B | 32.00A | ---- | 50.50+ | 13.50 | .130 | ---- | 1 | 5 + | 1 | 69.00B | 22.00A |
| 6300 | ---- | 53.75B | 34.00A | ---- | 53.75+ | 14.50 | .138 | ---- | 62 | 110 + | 2 | 73.25B | 23.25A |
| 6350 | ---- | 59.50B | 37.50A | ---- | 59.25+ | 15.75 | .152 | ---- | ---- | 3 | UNCH | 80.75B | 25.00A |
| 6390 | ---- | 64.50B | 40.50A | ---- | 64.25+ | 17.25 | .164 | ---- | ---- | 1 | UNCH | 87.00B | 27.25A |
| 6400 | ---- | 65.75B | 41.25A | ---- | 65.50+ | 17.50 | .167 | ---- | ---- | 3 | UNCH | 88.75B | 27.00 |
| 6440 | ---- | 71.25B | 44.75A | ---- | 70.75+ | 18.75 | .180 | ---- | ---- | 1 | UNCH | 95.75B | 30.00A |
| 6450 | ---- | 72.75B | 45.75A | ---- | 72.25+ | 19.25 | .184 | ---- | ---- | 3 | UNCH | 97.50B | 30.50A |
| 6500 | 61.00 | 80.50B | 50.50A | ---- | 79.75+ | 21.25 | .202 | ---- | 12 | 46 + | 10 | 107.25B | 32.00 |
| 6520 | ---- | 83.75B | 52.50A | ---- | 82.75+ | 21.75 | .209 | ---- | ---- | 5 | UNCH | 111.25B | 34.75A |
| 6550 | ---- | 89.00B | 55.75A | ---- | 87.75+ | 23.00 | .221 | ---- | ---- | 3 | UNCH | 117.75B | 36.75A |
| 6560 | ---- | 90.75B | 57.00A | ---- | 89.50+ | 23.50 | .225 | ---- | ---- | 51 | UNCH | 120.00B | 37.50A |
| 6570 | ---- | 92.75B | 58.00A | ---- | 91.25+ | 23.75 | .230 | ---- | ---- | 2 | UNCH | 123.00B | 38.25A |
| 6600 | 100.00 | 100.00 | 61.75A | ---- | 96.75+ | 25.00 | .243 | ---- | 1 | 29 + | 1 | 130.00B | 40.50A |
| 6610 | 81.00 | 100.50B | 63.00A | ---- | 98.75+ | 25.75 | .247 | ---- | 4 | 55 + | 4 | 132.50B | 41.25A |
| 6620 | 81.00 | 102.25B | 64.25A | ---- | 100.75+ | 26.25 | .252 | ---- | 5 | 6 + | 5 | 134.75B | 42.00A |
| 6630 | ---- | 104.50B | 65.50A | ---- | 102.75+ | 26.75 | .257 | ---- | ---- | 1 | UNCH | 137.50B | 42.75A |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6650 | 103.00 | 108.50B | 68.25A | ---- | 106.75+ | 27.50 | .266 | ---- | 2 | 94 | UNCH | 142.75B | 44.00 |
| 6670 | ---- | 113.00B | 71.00A | ---- | 111.00+ | 28.50 | .276 | ---- | ---- | 64 | UNCH | 148.25B | 46.25A |
| 6680 | 85.75 | 115.25B | 72.50A | ---- | 113.25+ | 29.25 | .281 | ---- | 4 | 5 + | 4 | 151.00B | 47.00A |
| 6700 | 109.00 | 119.75B | 75.50A | ---- | 117.50+ | 30.00 | .291 | ---- | 88 | 115 + | 25 | 156.75B | 48.75A |
| 6710 | ---- | 122.25B | 77.00A | ---- | 120.00+ | 30.75 | .296 | ---- | ---- | 4 | UNCH | 159.75B | 49.50A |
| 6720 | ---- | 124.50B | 78.75A | ---- | 122.25+ | 31.25 | .302 | ---- | ---- | 4 | UNCH | 162.75B | 50.50A |
| 6740 | ---- | 129.50B | 82.00A | ---- | 127.00+ | 32.25 | .313 | ---- | ---- | 1 | UNCH | 169.00B | 52.25A |
| 6750 | 114.75 | 132.25B | 83.75A | ---- | 129.50+ | 32.75 | .318 | ---- | 11 | 19 + | 5 | 172.25B | 53.25A |
| 6760 | ---- | 134.75B | 85.50A | ---- | 132.00+ | 33.50 | .324 | ---- | ---- | 1 | UNCH | 175.00B | 54.00A |
| 6770 | ---- | 137.50B | 87.25A | ---- | 134.50+ | 34.00 | .330 | ---- | ---- | 4 | UNCH | 178.75B | 55.00A |
| 6780 | ---- | 140.25B | 89.00A | ---- | 137.25+ | 34.75 | .335 | ---- | ---- | 4 | UNCH | 182.25B | 56.00A |
| 6800 | ---- | 145.75B | 92.75A | ---- | 142.50+ | 35.75 | .347 | ---- | ---- | 30 | UNCH | 189.00B | 58.25A |
| 6820 | ---- | 151.50B | 96.50A | ---- | 148.25+ | 37.00 | .360 | ---- | ---- | 10 | UNCH | 196.50B | 60.25A |
| 6830 | ---- | 154.50B | 98.50A | ---- | 151.00+ | 37.75 | .366 | ---- | ---- | 1 | UNCH | 200.25B | 61.50A |
| 6840 | ---- | 157.50B | 100.50A | ---- | 154.00+ | 38.25 | .372 | ---- | ---- | 1 | UNCH | 204.00B | 62.75A |
| 6850 | ---- | 160.75B | 102.50A | ---- | 157.00+ | 39.00 | .379 | ---- | 1260 | 167 + | 132 | 207.75B | 63.75A |
| 6870 | ---- | 166.75B | 106.75A | ---- | 163.25+ | 40.50 | .392 | ---- | ---- | 4 | UNCH | 216.00B | 66.25A |
| 6880 | 164.75 | 170.00B | 109.00A | ---- | 166.50+ | 41.25 | .399 | ---- | 6 | 7 + | 6 | 219.75B | 67.50A |
| 6890 | ---- | 173.50B | 111.25A | ---- | 169.75+ | 42.00 | .406 | ---- | ---- | 4 | UNCH | 223.75B | 68.75A |
| 6900 | 162.00 | 176.75B | 113.50A | ---- | 173.00+ | 42.50 | .412 | ---- | 37 | 47 + | 17 | 227.75B | 70.25A |
| 6910 | ---- | 180.25B | 116.00A | ---- | 176.50+ | 43.50 | .419 | ---- | ---- | 11 | UNCH | 232.25B | 71.50A |
| 6920 | ---- | 183.75B | 118.25A | ---- | 179.75+ | 44.00 | .426 | ---- | ---- | 1 | UNCH | 236.75B | 73.00A |
| 6930 | ---- | 187.25B | 120.75A | ---- | 183.25+ | 44.75 | .434 | ---- | ---- | 2 | UNCH | 241.25B | 74.25A |
| 6950 | ---- | 194.50B | 125.75A | ---- | 190.50+ | 46.50 | .448 | ---- | 10 | 145 + | 10 | 250.50B | 77.25A |
| 6970 | ---- | 202.25B | 131.00A | ---- | 198.00+ | 48.00 | .463 | ---- | ---- | 4 | UNCH | 260.00B | 80.25A |
| 6980 | ---- | 206.00B | 133.75A | ---- | 202.00+ | 49.00 | .471 | ---- | ---- | 1 | UNCH | 264.75B | 82.00A |
| 6990 | ---- | 210.00B | 136.50A | ---- | 206.00+ | 50.00 | .478 | ---- | ---- | 4 | UNCH | 269.75B | 83.50A |
| 7000 | ---- | 214.25B | 139.50A | ---- | 210.00+ | 50.75 | .486 | ---- | 1 | 22 | UNCH | 274.50B | 85.25A |
| 7010 | ---- | 218.25B | 142.50A | ---- | 214.00+ | 51.50 | .494 | ---- | ---- | 4 | UNCH | 279.75B | 86.75A |
| 7030 | ---- | 226.75B | 148.25A | ---- | 222.50+ | 53.25 | .510 | ---- | ---- | 12 | UNCH | 290.25B | 90.25A |
| 7040 | ---- | 231.00B | 151.50A | ---- | 226.75+ | 54.25 | .518 | ---- | ---- | 6 | UNCH | 295.50B | 91.25A |
| 7050 | ---- | 235.25B | 154.50A | ---- | 231.25+ | 55.25 | .526 | ---- | 3 | 157 | UNCH | 301.00B | 93.00A |
| 7060 | 193.25 | 239.75B | 157.75A | ---- | 235.75+ | 56.00 | .534 | ---- | 4 | 4 | UNCH | 306.75B | 95.00A |
| 7070 | ---- | 244.50B | 161.00A | ---- | 240.25+ | 57.00 | .542 | ---- | ---- | 6 | UNCH | 312.25B | 96.75A |
| 7080 | 201.00 | 249.00B | 164.50A | ---- | 245.00+ | 58.00 | .550 | ---- | 4 | 9 + | 4 | 318.00B | 98.75A |
| 7090 | 205.00 | 253.75B | 168.00A | ---- | 249.75+ | 59.00 | .559 | ---- | 4 | 5 + | 4 | 323.75B | 100.75A |
| 7100 | ---- | 258.50B | 171.50A | ---- | 254.50+ | 59.75 | .567 | ---- | 1262 | 177 + | 175 | 315.00B | 102.75A |
| 7110 | ---- | 263.50B | 175.00A | ---- | 259.50+ | 60.75 | .575 | ---- | ---- | 9 | UNCH | 321.00B | 105.00A |
| 7120 | ---- | 268.50B | 178.50A | ---- | 264.50+ | 61.75 | .584 | ---- | ---- | 6 | UNCH | 327.00B | 107.25A |
| 7130 | ---- | 273.50B | 182.25A | ---- | 269.50+ | 62.75 | .592 | ---- | ---- | 11 | UNCH | 333.00B | 109.50A |
| 7150 | ---- | 281.75B | 190.00A | ---- | 280.00+ | 64.75 | .609 | ---- | ---- | 28 | UNCH | 345.50B | 114.25A |
| 7160 | ---- | 287.25B | 194.00A | ---- | 285.50+ | 65.75 | .618 | ---- | ---- | 4 | UNCH | 352.00B | 116.75A |
| 7170 | ---- | 292.75B | 198.00A | ---- | 291.00+ | 66.75 | .626 | ---- | ---- | 1 | UNCH | 358.50B | 119.25A |
| 7180 | ---- | 298.00B | 202.25A | ---- | 296.50+ | 67.75 | .635 | ---- | ---- | 3 | UNCH | 365.00B | 121.75A |
| 7200 | ---- | 309.25B | 210.75A | ---- | 308.00+ | 69.75 | .652 | ---- | ---- | 39 | UNCH | 378.50B | 127.25A |
| 7210 | ---- | 315.00B | 215.25A | ---- | 313.75+ | 70.75 | .661 | ---- | ---- | 5 | UNCH | 385.50B | 130.00A |
| 7220 | ---- | 321.00B | 219.75A | ---- | 319.75+ | 71.75 | .669 | ---- | ---- | 4 | UNCH | 392.50B | 132.75A |
| 7230 | ---- | 327.00B | 224.50A | ---- | 325.75+ | 72.75 | .678 | ---- | ---- | 1 | UNCH | 399.50B | 135.75A |
| 7240 | ---- | 333.25B | 229.25A | ---- | 331.75+ | 73.50 | .686 | ---- | ---- | 4 | UNCH | 406.75B | 138.75A |
| 7250 | ---- | 339.25B | 234.00A | ---- | 338.00+ | 74.50 | .695 | ---- | ---- | 121 | UNCH | 414.00B | 141.75A |
| 7260 | ---- | 345.50B | 238.75A | ---- | 344.25+ | 75.50 | .704 | ---- | ---- | 8 | UNCH | 421.25B | 144.75A |
| 7270 | ---- | 352.00B | 244.00A | ---- | 350.75+ | 76.50 | .712 | ---- | ---- | 17 | UNCH | 428.75B | 147.75A |
| 7280 | ---- | 358.50B | 251.75A | ---- | 357.25+ | 77.50 | .720 | ---- | ---- | 80 | UNCH | 436.25B | 151.00A |
| 7290 | ---- | 359.25B | 264.00A | ---- | 363.75+ | 78.25 | .729 | ---- | ---- | 4 | UNCH | 443.75B | 154.50A |
| 7300 | ---- | 366.00B | 269.25A | ---- | 370.50+ | 79.25 | .737 | ---- | ---- | 2 | UNCH | 451.50B | 158.00A |
| 7320 | ---- | 379.75B | 280.25A | ---- | 384.25+ | 81.25 | .754 | ---- | ---- | 3 | UNCH | 467.25B | 164.75A |
| 7350 | ---- | 401.00B | 297.50A | ---- | 405.50+ | 83.75 | .778 | ---- | ---- | 1 | UNCH | 491.25B | 176.00A |
| 7370 | ---- | 415.75B | 309.50A | ---- | 420.00+ | 85.50 | .793 | ---- | ---- | 6 | UNCH | 507.75B | 185.25A |
| 7390 | ---- | 427.75B | 322.00A | ---- | 435.00+ | 87.00 | .809 | ---- | ---- | 2 | UNCH | 524.50B | 195.25A |
| 8000 | ---- | 988.50B | 858.25A | ---- | 999.75+ | 105.00 | .994 | ---- | ---- | 13 | UNCH | 1100.00B | 679.50A |
| TOTAL | | | | | | | | | 2785 | 2086 + | 408 | | |

MINI NSDO EOM P
201806C MINI NSDO EOM P

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4150 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | 14.25B | .45 |
| 5130 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 59.50B | .85A |
| 5160 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 62.25B | .85A |
| 5200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 65.75B | .90A |
| 5300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 75.25B | 1.10A |
| 5350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 80.75B | 1.20A |
| 5500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 100.25B | 1.65A |
| 5600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 67 | UNCH | 115.25B | 1.95A |
| 5660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 125.50B | .95A |
| 5700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 161 | UNCH | 132.75B | .50 |
| 5730 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | 138.50B | 1.10A |
| 5740 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 140.50B | 1.15A |
| 5800 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 79 | UNCH | 152.75B | .50 |
| 5890 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | 173.00B | 1.05A |
| 5900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | 175.50B | .75A |
| 5980 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 195.75B | .30A |
| 5990 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 198.50B | .30A |
| 6000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 76 | UNCH | 201.00B | .30A |
| 6030 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 209.50B | .30A |
| 6040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 212.25B | .30A |
| 6050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | UNCH | 215.00B | .30A |
| 6100 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 44 | UNCH | 230.00B | .30A |
| 6200 | ---- | ---- | ---- | ---- | .10- | 0.10 | .000 | ---- | ---- | 195 | UNCH | 262.50B | .40A |
| 6230 | ---- | ---- | ---- | ---- | .10- | 0.15 | .000 | ---- | ---- | 56 | UNCH | 273.00B | .40A |
| 6250 | ---- | ---- | ---- | ---- | .15- | 0.10 | .000 | ---- | ---- | 6 | UNCH | 280.50B | .45A |
| 6290 | ---- | ---- | ---- | ---- | .20- | 0.10 | .000 | ---- | ---- | 1 | UNCH | 295.50B | .50A |
| 6300 | ---- | ---- | *.30A | ---- | .25- | 0.10 | .000 | ---- | ---- | 79 | UNCH | 299.25B | .30A |
| 6320 | ---- | ---- | *.30A | ---- | .30- | 0.05 | .000 | ---- | ---- | 1 | UNCH | 307.25B | .30A |
| 6330 | ---- | ---- | *.30A | ---- | .35- | 0.05 | .000 | ---- | ---- | 1 | UNCH | 311.25B | .30A |
| 6350 | ---- | ---- | *.30A | ---- | .40 | UNCH | .000 | ---- | ---- | 79 | UNCH | 319.25B | .30A |
| 6360 | ---- | ---- | *.30A | ---- | .45 | UNCH | .000 | ---- | ---- | 3 | UNCH | 323.50B | .30A |
| 6380 | ---- | ---- | *.30A | ---- | .50 | UNCH | .001 | ---- | ---- | 1 | UNCH | 332.00B | .30A |
| 6400 | ---- | ---- | *.35A | ---- | .60+ | 0.05 | .001 | ---- | ---- | 26 | UNCH | 340.50B | .35A |
| 6410 | ---- | ---- | *.35A | ---- | .65+ | 0.10 | .001 | ---- | ---- | 3 | UNCH | 345.00B | .35A |
| 6430 | ---- | ---- | *.35A | ---- | .75+ | 0.15 | .001 | ---- | ---- | 56 | UNCH | 354.00B | .35A |
| 6440 | ---- | ---- | *.35A | ---- | .85+ | 0.20 | .002 | ---- | ---- | 3 | UNCH | 358.50B | .35A |
| 6470 | ---- | ---- | *.40A | ---- | 1.00+ | 0.30 | .002 | ---- | ---- | 2 | UNCH | 372.50B | .40A |
| 6480 | ---- | ---- | *.40A | ---- | 1.05+ | 0.30 | .003 | ---- | ---- | 1 | UNCH | 377.25B | .40A |
| 6490 | ---- | ---- | *.40A | ---- | 1.15+ | 0.35 | .003 | ---- | ---- | 189 | UNCH | 382.00B | .40A |
| 6500 | ---- | ---- | *.45A | ---- | 1.20+ | 0.40 | .003 | ---- | 1 | 156 - | 1 | 387.00B | .45A |
| 6540 | ---- | ---- | *.55A | ---- | 1.50+ | 0.60 | .005 | ---- | ---- | 5 | UNCH | 407.00B | .55A |
| 6550 | ---- | ---- | *.55A | ---- | 1.55+ | 0.60 | .005 | ---- | ---- | 8 | UNCH | 412.00B | .55A |
| 6560 | ---- | ---- | *.60A | ---- | 1.65+ | 0.65 | .006 | ---- | ---- | 2 | UNCH | 417.25B | .60A |
| 6570 | ---- | 1.05B | *.65A | ---- | 1.75+ | 0.75 | .006 | ---- | ---- | 4 | UNCH | 422.50B | .65A |
| 6580 | ---- | 1.15B | *.65A | ---- | 1.80+ | 0.75 | .007 | ---- | ---- | 1 | UNCH | 428.00B | .65A |
| 6600 | ---- | 1.30B | *.70A | ---- | 2.00+ | 0.85 | .008 | ---- | ---- | 145 | UNCH | 438.25B | .70A |
| 6610 | ---- | 1.40B | *.75A | ---- | 2.10+ | 0.90 | .008 | ---- | ---- | 70 | UNCH | 443.75B | .75A |
| 6620 | ---- | 1.50B | *.80A | ---- | 2.20+ | 0.95 | .009 | ---- | ---- | 1 | UNCH | 444.75B | .80A |
| 6640 | ---- | 1.80B | *.85A | ---- | 2.45+ | 1.10 | .011 | ---- | ---- | 8 | UNCH | 456.25B | .85A |
| 6650 | ---- | 1.95B | *.90A | ---- | 2.60+ | 1.20 | .012 | ---- | ---- | 2 | UNCH | 462.00B | .90A |
| 6660 | ---- | 2.10B | *.95A | ---- | 2.75+ | 1.30 | .013 | ---- | ---- | 25 | UNCH | 468.00B | .95A |
| 6670 | ---- | 2.30B | *1.00A | ---- | 2.90+ | 1.40 | .014 | ---- | ---- | 50 | UNCH | 474.00B | 1.00A |
| 6690 | ---- | 2.75B | *1.10A | ---- | 3.30+ | 1.60 | .018 | ---- | ---- | 201 | UNCH | 486.00B | 1.10A |
| 6700 | 2.10 | 3.00B | *1.15A | ---- | 3.50+ | 1.75 | .019 | ---- | 51 | 324 + | 50 | 492.25B | 1.15A |
| 6720 | ---- | 3.65B | *1.25A | ---- | 4.00+ | 2.00 | .024 | ---- | ---- | 10 | UNCH | 504.75B | 1.25A |
| 6730 | ---- | 4.00B | *1.30A | ---- | 4.35+ | 2.25 | .027 | ---- | ---- | 5 | UNCH | 511.00B | 1.30A |
| 6750 | 3.10 | 4.90B | *1.45A | ---- | 5.00+ | 2.60 | .033 | ---- | 50 | 105 + | 50 | 523.75B | 1.45A |
| 6760 | ---- | 5.25B | *1.50A | ---- | 5.50+ | 2.95 | .037 | ---- | ---- | 5 | UNCH | 530.25B | 1.50A |
| 6770 | ---- | 5.75B | *1.60A | ---- | 6.00+ | 3.25 | .042 | ---- | ---- | 4 | UNCH | 537.00B | 1.60A |
| 6780 | 1.50 | 7.25 | *1.50 | ---- | 6.50+ | 3.50 | .047 | ---- | 3 | 31 | UNCH | 543.50B | 1.50 |
| 6790 | ---- | 7.25B | *1.80A | ---- | 7.00+ | 3.80 | .052 | ---- | ---- | 7 | UNCH | 550.25B | 1.80A |
| 6800 | 8.00 | 8.25B | *1.90A | ---- | 7.75+ | 4.25 | .059 | ---- | 189 | 187 + | 11 | 557.00B | 1.90A |
| 6810 | 10.25 | 10.25 | *2.00A | ---- | 8.50+ | 4.70 | .067 | ---- | 4 | 2 + | 1 | 563.75B | 2.00A |
| 6820 | 8.00 | 10.00B | *2.10A | ---- | 9.50+ | 5.40 | .077 | ---- | 30 | 31 + | 30 | 570.75B | 2.10A |
| 6830 | 2.90 | 11.25B | *2.20A | ---- | 10.25+ | 5.75 | .085 | ---- | 60 | 60 + | 60 | 577.50B | 2.20A |
| 6850 | 5.00 | 13.75B | *2.45A | ---- | 12.50+ | 7.25 | .109 | ---- | 53 | 56 + | 49 | 591.75B | 2.45A |
| 6860 | ---- | 15.25B | *2.60A | ---- | 14.00+ | 8.25 | .124 | ---- | ---- | 30 | UNCH | 598.75B | 2.60A |
| 6870 | 13.00 | 17.00B | *2.80A | ---- | 15.25+ | 9.00 | .139 | ---- | 1 | 4 + | 1 | 606.00B | 2.80A |
| 6880 | ---- | 18.75B | *3.00A | ---- | 17.00+ | 10.00 | .157 | ---- | 96 | 96 + | 95 | 613.25B | 3.00A |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MINI NSDQ EOM P | | | | | | | | | | | | | |
| 6890 | 12.00 | 20.50B | *3.25A | ---- | 18.75 | NEW | .175 | ---- | 4 | 4 + | 4 | 620.50B | 3.25A |
| 6900 | 20.50 | 22.75B | *3.50A | ---- | 20.50+ | 12.25 | .195 | ---- | 241 | 469 + | 24 | 628.00B | 3.50A |
| 6910 | 24.00 | 25.00 | *3.80A | ---- | 22.75+ | 13.75 | .218 | ---- | 2 | 31 + | 1 | 635.25B | 3.80A |
| 6920 | 10.75 | 27.50B | *4.15A | ---- | 25.00+ | 15.00 | .243 | ---- | 3 | 124 + | 1 | 642.75B | 4.15A |
| 6930 | 17.25 | 30.25B | *4.55A | ---- | 27.50+ | 16.50 | .269 | ---- | 2 | 96 + | 2 | 650.25B | 4.55A |
| 6940 | ---- | 33.25B | *5.00A | ---- | 30.25+ | 18.25 | .297 | ---- | ---- | 5 | UNCH | 658.00B | 5.00A |
| 6950 | 15.00 | 36.50B | *5.50A | ---- | 33.25+ | 20.25 | .328 | ---- | 3 | 236 + | 1 | 665.50B | 5.50A |
| 6960 | 30.00 | 39.75B | *6.25A | ---- | 36.50+ | 22.25 | .360 | ---- | 7 | 13 + | 4 | 673.25B | 6.25A |
| 6970 | 20.00 | 43.50B | *6.75A | ---- | 40.00+ | 24.50 | .394 | ---- | 9 | 81 | UNCH | 681.00B | 6.75A |
| 6980 | 31.00 | 47.50B | *7.50A | ---- | 43.75+ | 27.00 | .429 | ---- | 11 | 19 + | 1 | 689.00B | 7.50A |
| 6990 | 18.50 | 51.50B | *8.50A | ---- | 47.75+ | 29.25 | .465 | ---- | 1 | 23 | UNCH | 696.75B | 8.50A |
| 7000 | 20.00 | 55.75B | 9.25A | ---- | 52.25+ | 32.25 | .503 | ---- | 328 | 376 - | 30 | 704.75B | 9.00 |
| 7010 | 25.00 | 60.50B | *10.25 | ---- | 56.75+ | 35.00 | .542 | ---- | 5 | 37 + | 2 | 712.75B | 10.25 |
| 7020 | 33.00 | 65.50B | 11.50A | ---- | 61.75+ | 38.00 | .581 | ---- | 90 | 188 + | 49 | 720.75B | 11.50A |
| 7030 | 28.00 | 69.25B | 12.50A | ---- | 67.00+ | 41.25 | .620 | ---- | 6 | 26 - | 1 | 728.75B | 12.00A |
| 7040 | 19.75 | 72.50B | 14.00A | ---- | 72.50+ | 44.50 | .659 | ---- | 6 | 41 - | 2 | 737.00B | 12.50A |
| 7050 | 25.50 | 78.25B | 15.25A | ---- | 78.50+ | 48.00 | .697 | ---- | 162 | 129 - | 51 | 745.25B | 13.25A |
| 7060 | 74.75 | 84.75B | 17.00A | ---- | 84.75+ | 51.75 | .734 | ---- | 180 | 191 + | 66 | 753.50B | 13.75A |
| 7070 | 28.75 | 91.50B | 18.75A | ---- | 91.50+ | 55.50 | .769 | ---- | 10 | 16 + | 10 | 761.75B | 14.25A |
| 7080 | 52.25 | 98.00B | 20.75A | ---- | 98.50+ | 59.25 | .802 | ---- | 14 | 31 - | 4 | 770.00B | 15.00A |
| 7090 | 26.50 | 105.50B | 23.00A | ---- | 105.75+ | 63.00 | .833 | ---- | 29 | 37 - | 3 | 778.50B | 15.50A |
| 7100 | 55.00 | 113.00B | 25.25A | ---- | 113.50+ | 67.00 | .860 | ---- | 56 | 198 - | 7 | 786.75B | 16.25A |
| 7110 | 80.00 | 121.00B | 28.00A | ---- | 121.50+ | 70.75 | .884 | ---- | 49 | 51 + | 37 | 795.25B | 12.25A |
| 7120 | 90.00 | 129.25B | 31.00A | ---- | 129.75+ | 74.50 | .906 | ---- | 33 | 39 + | 9 | 803.75B | 17.50A |
| 7130 | 56.50 | 138.00B | 34.25A | ---- | 138.25+ | 78.25 | .925 | ---- | 166 | 48 - | 122 | 812.50B | 18.25A |
| 7140 | 42.00 | 146.75B | 38.00A | ---- | 147.00+ | 81.50 | .940 | ---- | 2 | 14 + | 2 | 821.00B | 19.25A |
| 7150 | 131.25 | 155.75B | 41.75A | ---- | 156.00+ | 84.75 | .953 | ---- | 62 | 188 - | 2 | 829.75B | 20.00A |
| 7160 | 47.50 | 164.75B | 46.25A | ---- | 165.00+ | 87.75 | .964 | ---- | 4 | 40 - | 2 | 838.25B | 21.00A |
| 7170 | 56.00 | 174.25B | 50.75A | ---- | 174.50+ | 90.50 | .973 | ---- | 4 | 59 + | 2 | 847.00B | 22.25A |
| 7180 | ---- | 183.75B | 61.50A | ---- | 183.75+ | 93.00 | .979 | ---- | ---- | 47 | UNCH | 855.75B | 23.25A |
| 7190 | 77.75 | 193.25B | 67.25A | ---- | 193.25+ | 95.00 | .985 | ---- | 1 | 18 - | 1 | 864.75B | 24.50A |
| 7200 | 90.00 | 203.25B | 73.25A | ---- | 203.00+ | 97.00 | .989 | ---- | 11 | 124 - | 1 | 873.50B | 26.00A |
| 7210 | 192.00 | 212.75B | 79.00 | ---- | 212.75+ | 98.50 | .992 | ---- | 5 | 22 - | 2 | 882.25B | 27.25A |
| 7220 | ---- | 221.25B | 86.75A | ---- | 222.50+ | 100.00 | .994 | ---- | ---- | 49 | UNCH | 891.25B | 28.75A |
| 7230 | ---- | 230.75B | 94.25A | ---- | 232.25+ | 101.00 | .996 | ---- | ---- | 78 | UNCH | 900.25B | 30.50A |
| 7240 | ---- | 240.25B | 102.00A | ---- | 242.00+ | 101.75 | .997 | ---- | ---- | 37 | UNCH | 909.25B | 32.25A |
| 7250 | ---- | 250.00B | 113.25A | ---- | 252.00+ | 102.50 | .998 | ---- | ---- | 108 | UNCH | 918.25B | 34.25A |
| 7260 | ---- | 260.00B | 122.00A | ---- | 262.00+ | 103.25 | .998 | ---- | ---- | 6 | UNCH | 927.25B | 36.25A |
| 7270 | 155.00 | 270.00B | 131.00A | ---- | 271.75+ | 103.50 | .999 | ---- | 1 | 1 | UNCH | 936.50B | 38.75A |
| 7280 | 228.75 | 280.00B | 140.50A | ---- | 281.75+ | 104.00 | .999 | ---- | 2 | 7 | UNCH | 945.50B | 41.25A |
| 7290 | ---- | 289.75B | 149.25A | ---- | 291.75+ | 104.25 | .999 | ---- | ---- | 45 | UNCH | 954.75B | 43.75A |
| 7300 | 188.00 | 300.25B | 159.25A | ---- | 301.75+ | 104.50 | .999 | ---- | 1 | 18 - | 1 | 963.75B | 41.75 |
| 7310 | 180.00 | 310.25B | 169.00A | ---- | 311.75+ | 104.75 | .999 | ---- | 1 | 8 | UNCH | 973.00B | 49.75A |
| 7320 | ---- | 320.25B | 178.75A | ---- | 321.75+ | 105.00 | .999 | ---- | ---- | 34 | UNCH | 982.25B | 53.00A |
| 7330 | ---- | 327.75B | 188.50A | ---- | 331.75+ | 105.25 | .999 | ---- | ---- | 8 | UNCH | 991.50B | 51.00 |
| 7340 | ---- | 331.00B | 198.50A | ---- | 341.75+ | 105.25 | .999 | ---- | ---- | 3 | UNCH | 1000.75B | 56.00 |
| 7350 | 214.00 | 336.75B | 208.50A | ---- | 351.75+ | 105.50 | .999 | ---- | 3 | 2 - | 1 | 1010.00B | 64.50A |
| 7360 | ---- | 335.00B | 227.50A | ---- | 361.75+ | 105.50 | .999 | ---- | ---- | 1 | UNCH | 1019.50B | 68.75A |
| 7400 | ---- | 375.00B | 287.50A | ---- | 401.75+ | 105.75 | 1.000 | ---- | ---- | 7 | UNCH | 1057.00B | 89.25A |
| 7500 | ---- | ---- | ---- | ---- | 501.75+ | 105.75 | 1.000 | ---- | ---- | 1 | UNCH | 1152.00B | 183.25A |
| TOTAL | | | | | | | | | 2052 | 6280 + | 331 | | |
| 201807C | MINI NSDO EOM P | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | 1.35- | 0.85 | .003 | ---- | ---- | 5 | UNCH | 20.00B | 6.00 |
| 4600 | ---- | ---- | ---- | ---- | 1.50- | 0.80 | .003 | ---- | ---- | 3 | UNCH | 23.50B | 10.00 |
| 5100 | ---- | ---- | ---- | ---- | 2.85 | UNCH | .007 | ---- | ---- | 5 | UNCH | 65.00B | 15.00 |
| 5260 | ---- | ---- | ---- | ---- | 3.50+ | 0.50 | .010 | ---- | ---- | 150 | UNCH | 82.25B | 17.75A |
| 5400 | ---- | ---- | ---- | ---- | 4.35+ | 1.00 | .012 | ---- | ---- | 150 | UNCH | 100.00B | 22.00A |
| 5580 | ---- | ---- | ---- | ---- | 6.00+ | 1.60 | .018 | ---- | ---- | 3 | UNCH | 127.75B | 8.50 |
| 5600 | ---- | ---- | ---- | ---- | 6.25+ | 1.65 | .019 | ---- | ---- | 10 | UNCH | 131.00B | 9.00A |
| 5610 | ---- | ---- | ---- | ---- | 6.50+ | 1.80 | .020 | ---- | ---- | 10 | UNCH | 132.75B | 8.50 |
| 6050 | ---- | 15.75B | ---- | ---- | 18.00+ | 5.25 | .057 | ---- | ---- | 9 | UNCH | 233.25B | 15.00A |
| 6100 | ---- | 18.25B | ---- | ---- | 20.50+ | 6.25 | .064 | ---- | ---- | 2 | UNCH | 248.25B | 10.00A |
| 6200 | ---- | 24.00B | 17.25A | ---- | 25.75+ | 8.00 | .081 | ---- | ---- | 19 | UNCH | 281.00B | 16.00A |
| 6300 | ---- | 31.25B | 21.00A | ---- | 32.75+ | 10.50 | .103 | ---- | ---- | 4 | UNCH | 317.25B | 17.50A |
| 6340 | ---- | 34.75B | 22.75A | ---- | 36.00+ | 11.50 | .114 | ---- | ---- | 1 | UNCH | 333.00B | 17.50A |
| 6350 | ---- | 35.50B | 23.00A | ---- | 36.75+ | 11.75 | .116 | ---- | ---- | 1 | UNCH | 337.00B | 16.75A |
| 6370 | ---- | 37.50B | 24.00A | ---- | 38.50+ | 12.25 | .122 | ---- | ---- | 1 | UNCH | 345.25B | 13.75 |
| 6400 | ---- | 40.50B | 25.50A | ---- | 41.25+ | 13.25 | .130 | ---- | ---- | 7 | UNCH | 357.75B | 18.00 |
| 6450 | ---- | 46.00B | 28.50A | ---- | 46.50+ | 14.75 | .147 | ---- | ---- | 3 | UNCH | 379.50B | 19.75A |
| 6500 | ---- | 52.25B | 31.75A | ---- | 52.25+ | 16.50 | .165 | ---- | ---- | 58 | UNCH | 402.25B | 21.75A |
| 6510 | ---- | 53.50B | 32.50A | ---- | 53.50+ | 17.00 | .168 | ---- | ---- | 1 | UNCH | 407.00B | 22.00A |
| 6520 | ---- | 55.00B | 33.25A | ---- | 55.00 | NEW | .173 | ---- | 1 | 1 + | 1 | 412.00B | 22.50A |
| 6540 | ---- | 57.75B | 34.75A | ---- | 57.50+ | 18.25 | .181 | ---- | ---- | 3 | UNCH | 421.50B | 23.25A |
| 6550 | ---- | 59.25B | 35.50A | ---- | 59.00+ | 18.75 | .185 | ---- | ---- | 3 | UNCH | 426.50B | 23.75A |
| 6580 | ---- | 63.75B | 38.00A | ---- | 63.25+ | 19.75 | .198 | ---- | ---- | 6 | UNCH | 441.75B | 25.00A |
| 6600 | ---- | 67.00B | 39.75A | ---- | 66.50+ | 20.75 | .207 | ---- | ---- | 2 | UNCH | 452.00B | 26.00A |
| 6620 | ---- | 70.50B | 41.75A | ---- | 69.75 | NEW | .217 | ---- | 1 | 1 + | 1 | 462.50B | 27.25A |
| 6630 | ---- | 72.25B | 42.75A | ---- | 71.25+ | 22.00 | .222 | ---- | ---- | 6 | UNCH | 467.75B | 27.75A |
| 6700 | ---- | 85.75B | 50.50A | ---- | 84.25+ | 25.75 | .260 | ---- | ---- | 19 | UNCH | 506.75B | 31.25A |
| 6710 | ---- | 87.75B | 51.50A | ---- | 86.50+ | 26.50 | .266 | ---- | ---- | 1 | UNCH | 512.50B | 31.75A |
| 6730 | ---- | 92.25B | 54.25A | ---- | 90.75+ | 27.75 | .278 | ---- | ---- | 3 | UNCH | 524.25B | 33.00A |
| 6750 | ---- | 96.75B | 56.75A | ---- | 95.25+ | 29.25 | .290 | ---- | ---- | 5 | UNCH | 536.00B | 34.50A |
| 6800 | 95.00 | 109.00B | 64.25A | ---- | 107.50+ | 32.75 | .324 | ---- | 1 | 20 + | 1 | 563.75B | 38.00A |
| 6850 | ---- | 122.75B | 72.50A | ---- | 121.50+ | 37.25 | .361 | ---- | ---- | 1 | UNCH | 595.25B | 42.25A |
| 6900 | ---- | 138.00B | 82.00A | ---- | 137.00+ | 41.75 | .400 | ---- | ---- | 38 | UNCH | 515.00B | 47.00A |
| 6910 | ---- | 141.50B | 84.00A | ---- | 140.50+ | 43.00 | .409 | ---- | ---- | 50 | UNCH | 521.50B | 48.00A |
| 6920 | ---- | 144.75B | 86.00A | ---- | 143.75+ | 43.75 | .417 | ---- | ---- | 1 | UNCH | 528.00B | 49.25A |
| 6950 | ---- | 155.25B | 92.75A | ---- | 154.50+ | 47.00 | .443 | ---- | ---- | 12 | UNCH | 547.75B | 52.50A |
| 6980 | ---- | 166.50B | 100.00A | ---- | 166.00+ | 50.25 | .470 | ---- | ---- | 1 | UNCH | 567.75B | 56.25A |
| 7000 | 132.00 | 174.25B | 105.00A | ---- | 174.00+ | 52.50 | .489 | ---- | 8 | 44 + | 1 | 581.50B | 59.00A |
| 7020 | 124.75 | 182.75B | 110.50A | ---- | 182.25+ | 54.50 | .508 | ---- | 2 | 3 | UNCH | 595.50B | 61.75A |
| 7030 | ---- | 187.25B | 113.25A | ---- | 186.50+ | 55.75 | .518 | ---- | ---- | 1 | UNCH | 602.50B | 63.25A |
| 7050 | ---- | 195.75B | 119.00A | ---- | 195.25+ | 57.75 | .537 | ---- | 2 | 5 | UNCH | 617.00B | 66.25A |
| 7070 | ---- | 205.25B | 125.25A | ---- | 204.50+ | 60.00 | .557 | ---- | ---- | 1 | UNCH | 632.00B | 69.50A |
| 7080 | ---- | 209.75B | 128.50A | ---- | 209.25+ | 61.25 | .568 | ---- | ---- | 50 | UNCH | 639.25B | 71.00A |
| 7100 | ---- | 219.50B | 135.25A | ---- | 219.00+ | 63.25 | .588 | ---- | ---- | 17 | UNCH | 654.00B | 74.75A |
| 7130 | ---- | 235.25B | 146.00A | ---- | 234.25+ | 66.50 | .619 | ---- | ---- | 3 | UNCH | 677.00B | 80.25A |
| 7140 | ---- | 240.50B | 149.75A | ---- | 239.75+ | 67.75 | .630 | ---- | ---- | 1 | UNCH | 684.50B | 82.50A |
| 7150 | ---- | 246.25B | 153.75A | ---- | 245.00+ | 68.75 | .641 | ---- | 2 | 27 | UNCH | 692.75B | 82.50 |
| 7180 | ---- | 263.50B | 166.00A | ---- | 262.25+ | 72.00 | .672 | ---- | ---- | 25 | UNCH | 716.00B | 91.25A |
| 7200 | ---- | 275.75B | 175.00A | ---- | 274.00+ | 74.00 | .694 | ---- | ---- | 7 | UNCH | 732.00B | 96.25A |
| 7240 | ---- | 301.50B | 194.00A | ---- | 299.50+ | 78.50 | .735 | ---- | ---- | 1 | UNCH | 764.75B | 106.75A |
| 7250 | ---- | 283.25B | 224.25A | ---- | 306.25+ | 79.50 | .746 | ---- | ---- | 1 | UNCH | 773.50B | 109.75A |
| 7320 | ---- | 332.25B | 267.00A | ---- | 356.50+ | 86.75 | .814 | ---- | ---- | 1 | UNCH | 832.50B | 132.75A |
| 7330 | 292.00 | 339.75B | 273.75A | ---- | 364.25 | NEW | .823 | ---- | 2 | 1 + | 1 | 841.00B | 136.25A |
| 7350 | ---- | 355.25B | 287.50A | ---- | 379.75+ | 89.50 | .840 | ---- | ---- | 1 | UNCH | 858.50B | 144.00A |
| 7400 | 382.00 | 423.75B | 292.50A | ---- | 421.00+ | 93.75 | .879 | ---- | 20 | 13 - | 4 | 905.50B | 165.75A |
| 7450 | ---- | 438.25B | 364.00A | ---- | 464.50+ | 97.25 | .911 | ---- | ---- | 1 | UNCH | 947.75B | 190.75A |
| TOTAL | | | | | | | | | 39 | 818 + | 1 | | |
| 201808C | MINI NSDO EOM P | | | | | | | | | | | | |
| 5730 | ---- | 23.00B | ---- | ---- | 25.00+ | 5.50 | .057 | ---- | ---- | 3 | UNCH | 84.75B | 15.00 |
| 6000 | ---- | 39.00B | 29.50A | ---- | 40.25+ | 9.25 | .093 | ---- | ---- | 1 | UNCH | 128.50B | 21.75A |
| 6050 | ---- | 42.75B | 32.00A | ---- | 44.00+ | 10.25 | .101 | ---- | ---- | 1 | UNCH | 138.50B | 23.25A |
| 6110 | ---- | 48.00B | 35.00A | ---- | 49.00+ | 11.75 | .113 | ---- | ---- | 1 | UNCH | 151.50B | 25.50A |
| 6200 | ---- | 56.75B | 40.50A | ---- | 57.50+ | 13.75 | .132 | ---- | ---- | 6 | UNCH | 173.00B | 29.00A |
| 6280 | ---- | 66.00B | 46.25A | ---- | 66.50+ | 16.00 | .152 | ---- | ---- | 1 | UNCH | 194.25B | 32.50A |
| 6300 | ---- | 68.50B | 48.00A | ---- | 68.75+ | 16.50 | .157 | ---- | ---- | 1 | UNCH | 199.75B | 33.50A |
| 6470 | ---- | 93.25B | 64.25A | ---- | 93.25+ | 22.25 | .210 | ---- | ---- | 3 | UNCH | 254.50B | 42.00 |
| 6480 | ---- | 95.00B | 65.25A | ---- | 94.75+ | 22.50 | .213 | ---- | ---- | 2 | UNCH | 258.25B | 43.00 |
| 6500 | ---- | 98.50B | 67.50A | ---- | 98.25+ | 23.50 | .221 | ---- | ---- | 2 | UNCH | 265.50B | 46.00A |
| 6600 | 107.00 | 118.00B | 80.50A | ---- | 117.25 | NEW | .261 | ---- | 1 | 1 + | 1 | 305.50B | 53.00A |
| 6630 | ---- | 124.50B | 85.00A | ---- | 123.50+ | 29.00 | .274 | ---- | ---- | 3 | UNCH | 318.50B | 55.50A |
| 6650 | ---- | 129.00B | 88.00A | ---- | 127.75+ | 29.75 | .283 | ---- | ---- | 10 | UNCH | 327.50B | 57.50A |
| 6700 | ---- | 140.75B | 96.25A | ---- | 139.50+ | 32.25 | .306 | ---- | ---- | 20 | UNCH | 350.75B | 62.00 |
| 6750 | ---- | 153.75B | 105.25A | ---- | 152.00 | NEW | .332 | ---- | 1 | 1 + | 1 | 375.75B | 67.75A |
| 6800 | ---- | 167.75B | 115.25A | ---- | 165.50+ | 37.00 | .358 | ---- | 3 | 5 + | 3 | 402.25B | 73.75A |
| 6850 | ---- | 183.00B | 126.25A | ---- | 180.50+ | 40.00 | .387 | ---- | ---- | 30 | UNCH | 430.50B | 80.50A |
| 6900 | ---- | 199.50B | 138.25A | ---- | 196.75+ | 43.00 | .418 | ---- | ---- | 1 | UNCH | 460.25B | 87.75A |
| 7000 | ---- | 237.00B | 165.75A | ---- | 234.25+ | 50.50 | .484 | ---- | ---- | 6 | UNCH | 525.00B | 104.75A |
| 7100 | ---- | 281.00B | 199.00A | ---- | 278.75+ | 59.00 | .556 | ---- | ---- | 1 | UNCH | 596.25B | 126.00A |
| 7170 | ---- | 316.00B | 226.00A | ---- | 314.75+ | 66.00 | .609 | ---- | ---- | 1 | UNCH | 650.25B | 143.50A |
| 7200 | ---- | 332.50B | 238.75A | ---- | 331.25+ | 68.75 | .632 | ---- | ---- | 7 | UNCH | 674.25B | 151.75A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MINI NSDQ EOM P | | | | | | | | | | | | | |
| 7220 | ---- | 344.00B | 247.75A | ---- | 342.50+ | 70.50 | .647 | ---- | ---- | 10 | UNCH | 690.50B | 157.75A |
| 7500 | ---- | 511.00B | 441.75A | ---- | 536.25+ | 91.25 | .847 | ---- | ---- | 10 | UNCH | 937.50B | 272.25A |
| TOTAL | | | | | | | | | 5 | 127 + | 5 | | |
| 201809C | MINI NSDO EOM P | | | | | | | | | | | | |
| 5250 | ---- | 17.00B | 14.50A | ---- | 19.00+ | 3.75 | .036 | ---- | ---- | 1 | UNCH | 22.00B | 11.50A |
| 6380 | ---- | 107.00B | 76.75A | ---- | 107.50+ | 22.25 | .202 | ---- | ---- | 1 | UNCH | 113.50B | 53.50A |
| 6600 | ---- | 150.00B | 107.75A | ---- | 149.50+ | 30.00 | .276 | ---- | ---- | 24 | UNCH | 156.25B | 74.75A |
| 7000 | ---- | 271.25B | 199.75A | ---- | 269.75+ | 50.50 | .466 | ---- | ---- | 1 | UNCH | 276.25B | 136.00A |
| 7260 | ---- | 393.00B | 297.25A | ---- | 391.25+ | 67.00 | .627 | ---- | ---- | 3 | UNCH | 393.75B | 204.00A |
| TOTAL | | | | | | | | | 0 | 30 | | | |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE = LIBOR AND EUROYEN = $12.50. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### LIBOR, OIS AND EURO YEN CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1MTH LIBOR FUT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 02/18 | 03/18 | 04/15 | 05/13 | 06/17 |
| 1MTH LIBOR OPT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 02/18 | 03/18 | 04/15 | 05/13 | 06/17 |
| EUROYEN FUT | 07/22 | | | 07/22 | | | 07/22 | | | 07/22 | | | 07/22 |
| EUROYEN OPT | 07/22 | | | | | | | | | | | | |

EXPIRATION:

### LIBOR, EURO YEN, OIS AND EURO YEN MIDCURVE OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OL | 96.37-100.1 | 96.37-100.1 | 96.37-100.1 | 96.25-99.87 | 96.25-99.75 | 96.25-99.62 | 96.12-99.50 | 96.00-99.25 | 96.00-99.25 | 96.00-99.12 | 95.87-99.12 | 95.87-99.12 |
| OY | 98.25-101.2 | | | | | | | | | | | |

### LIBOR, EURO YEN, OIS AND EURO YEN MIDCURVE FUTURES

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE DISCOUNT | IMM INDEX % PT.CHGE.## | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-MTH EURODLR F | | | | | | | | | | | | |
| JUL18 | ---- | 97.9000B | ---- | ---- | 97.9000 | ( 2.10) + 1.2 | ---- | ---- | 4162 | UNCH | 98.6075B | 97.8500 |
| AUG18 | 97.8825 | 97.8825 | 97.8800 | ---- | 97.8800 | ( 2.12) + 0.7 | ---- | 20 | 2960 + | 15 | 98.6200B | 97.8550A |
| SEP18 | ---- | ---- | ---- | ---- | 97.7575 | ( 2.24) + 0.5 | ---- | ---- | 146 | UNCH | 98.4200B | 97.7500A |
| OCT18 | ---- | ---- | ---- | ---- | 97.7125 | ( 2.28) + 1.5 | ---- | ---- | 60 | UNCH | 98.2575B | 97.6875A |
| JAN19 | ---- | ---- | ---- | ---- | 97.5375 | ( 2.46) + 2.5 | ---- | ---- | 20 | UNCH | 97.8025B | 97.5250A |
| FEB19 | ---- | ---- | ---- | ---- | 97.5225 | ( 2.47) + 2.5 | ---- | ---- | 80 | UNCH | 97.6775B | 97.5150A |
| MAR19 | ---- | ---- | ---- | ---- | 97.4125 | ( 2.58) + 2.5 | ---- | ---- | 41 | UNCH | 97.5800B | 97.4100A |
| TOTAL 1-MTH EURODLR F | | | | | | | 0 | 20 | 7469 + | 15 | | |
| 3M OIS FUT | | | | | | | | | | | | |
| | ---- | | | ---- | | | | | | | | |
| TOTAL 3M OIS FUT | | | | | | | | | | | | |

### LIBOR, EUROYEN, OIS AND 1YR EUROYEN MIDCURVE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|

### LIBOR, EUROYEN, OIS AND 1YR EUROYEN MIDCURVE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $4.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### 10YR NOTE, 5YR NOTE, 2YR NOTE AND 30YR BOND CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 |
|---|---|---|---|---|---|---|---|---|
| 30YR BOND OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | 10/26 | 11/23 | 02/22 |
| 5YR NOTE OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | 10/26 | 11/23 | |
| 5YR NOTE FUT | 06/29 | | | 09/28 | | | 12/31 | 03/29 |
| ULTRA T-BOND OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | 10/26 | 11/23 | 02/22 |
| 10YR NOTE OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | 10/26 | 11/23 | 02/22 |
| 2YR NOTE FUT | 06/29 | | | 09/28 | | | 12/31 | 03/29 |
| 2YR NOTE OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | 10/26 | 11/23 | |
| 10YR NOTE FUT | 06/20 | | | 09/19 | | | 12/19 | 03/20 |
| ULTRA T-BOND FUT | 06/20 | | | 09/19 | | | 12/19 | 03/20 |
| 30YR BOND FUT | 06/20 | | | 09/19 | | | 12/19 | 03/20 |

| EXPIRATION: | JUN18 | JUL18 | SEP18 |
|---|---|---|---|
| TN FUT | 06/20 | | 09/19 |
| | | 07/03 | |
| | 06/27 | | |
| | | 07/03 | |
| | 06/27 | | |
| | | 07/03 | |
| | 06/27 | | |

### 10YR NOTE, 5YR NOTE, 2YR NOTE AND 30YR BOND OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 |
|---|---|---|---|---|---|---|---|---|
| CG | 110.0-200.0 | 110.0-177.0 | 110.0-176.0 | 110.0-190.0 | 109.0-175.0 | 113.0-175.0 | 109.0-175.0 | 113.0-174.0 |
| FP | 104.0-126.5 | 105.0-122.2 | 105.0-122.0 | 104.5-124.0 | 104.5-121.2 | 105.2-120.7 | 104.5-122.0 | |
| OUL | 106.0-215.0 | 110.0-191.0 | 122.0-190.0 | 110.0-200.0 | 122.0-190.0 | 128.0-190.0 | 122.0-190.0 | 127.0-190.0 |
| TC | 93.5-150.5 | 93.0-146.0 | 93.0-146.0 | 93.0-148.5 | 93.0-146.0 | 94.5-145.0 | 93.0-146.0 | 94.5-145.0 |
| TUC | 102.1-111.5 | 101.8-110.2 | 101.8-110.1 | 101.8-110.7 | 101.6-109.7 | 101.8-109.5 | 101.6-110.1 | |

| | JUN18 | JUL18 |
|---|---|---|
| WB1 | | 113.5-175.5 |
| WB4 | 112.5-174.5 | |
| WF1 | | 105.7-121.2 |
| WF4 | 105.5-121.0 | |
| WY1 | | 94.5-145.5 |
| WY4 | 94.2-145.0 | |

### 10 YEAR NOTE FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y NOTE FUT | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 119'310 | UNCH | ---- | ---- | 5711 | UNCH | 124'180B | 118'105 |
| SEP18 | 119'315 | 120'130 | 119'300 | 120'125 | Q'125 | 37956 | 1860620 | 3496614 + | 33488 | 121'035B | 117'300 |
| DEC18 | 120'010 | #120'060B | 119'245A | 120'065 | Q'135 | ---- | 36 | 123 + | 25 | 120'060B | 118'020 |
| TOTAL 10Y NOTE FUT | | | | | | 37956 | 1860656 | 3502448 + | 33513 | | |

### 5 YEAR NOTE FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y NOTE FUT | | | | | | | | | | | |
| JUN18 | 113'305 | 114'010 | 113'252A | 114'012 | + 0'072 | ---- | 2016 | 20340 - | 9031 | 115'202B | 112'250 |
| SEP18 | 113'165 | 113'245 | 113'157 | 113'242 | + 0'075 | 65255 | 927286 | 3775045 + | 54545 | 114'162 | 112'147 |
| DEC18 | ---- | #113'037B | ---- | 113'047 | + 0'075 | ---- | ---- | 4 | UNCH | 113'037B | 111'312 |
| TOTAL 5Y NOTE FUT | | | | | | 65255 | 929302 | 3795389 + | 45514 | | |

### 2 YEAR NOTE FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2Y NOTE FUT | | | | | | | | | | | |
| JUN18 | 106'025 | 106'040 | 106'022 | 106'040 | + 0'017 | ---- | 1038 | 6205 + | 12 | 106'247 | 105'265 |
| SEP18 | 105'287 | 105'312 | 105'285 | 105'312 | + 0'025 | 19861 | 299498 | 1870690 + | 24603 | 106'125 | 105'195 |
| | | | | | | 19861 | 300536 | 1876895 + | 24615 | | |

### 30 YEAR BOND FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y BOND FUT | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 144'16 | UNCH | ---- | ---- | 3063 | UNCH | 153'14 | 140'05 |
| SEP18 | 144'08 | 145'11 | 144'05 | 145'09 | + 1'01 | 7629 | 339506 | 801210 + | 8468 | 150'11B | 139'11 |
| DEC18 | 144'17 | #144'17 | 144'15A | 144'17 | + 1'01 | ---- | 5 | 582 + | 5 | 144'17 | 139'08 |
| TOTAL 30Y BOND FUT | | | | | | 7629 | 339511 | 804855 + | 8473 | | |

### ULTRA T-BOND FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ULTRA T-BND FUT | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 158'13 | UNCH | ---- | ---- | 2772 | UNCH | 166'00B | 152'23 |
| SEP18 | 158'14 | 160'00 | 158'08 | 159'30 | + 1'19 | 5357 | 136002 | 970716 + | 9978 | 160'11 | 152'01A |
| DEC18 | ---- | #160'05B | ---- | 160'06 | + 1'20 | ---- | 22 | 54 + | 21 | 160'05B | 156'04A |
| TOTAL ULTRA T-BND FUT | | | | | | 5357 | 136024 | 973542 + | 9999 | | |

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TN FUT | | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | ---- | 128'075 | UNCH | ---- | ---- | 2 | UNCH | 133'140B | 125'240 |
| SEP18 | 127'280 | 128'150 | 127'260 | ---- | 128'145 | + 0'185 | 28556 | 168582 | 545025 + | 1564 | 129'045 | 124'305A |
| TOTAL TN FUT | | | | | | | 28556 | 168582 | 545027 + | 1564 | | |

### 10 YEAR NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y NOTE CALL | | | | | | | | | | | | | |
| AUG18 | 10Y NOTE CALL | | | | | | | | | | | | |
| 1125 | ---- | ---- | ---- | 732N | 757 + | 25 | 1.000 | ---- | ---- | 7 | UNCH | 818B | 532A |
| 1130 | ---- | ---- | ---- | 700N | 725 + | 25 | 1.000 | ---- | ---- | 18 | UNCH | 760B | 500A |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1135 | ---- | ---- | ---- | 632N | | 657 + | 25 | 1.000 | ---- | ---- | 32 | UNCH | 728B | 433A |
| 1140 | ---- | ---- | ---- | 600N | | 625 + | 25 | 1.000 | ---- | ---- | 11 | UNCH | 661B | 402A |
| 1145 | ---- | ---- | ---- | 532N | | 557 + | 25 | .999 | ---- | ---- | 95 | UNCH | 629B | 335A |
| 1150 | ---- | ---- | ---- | 500N | | 525 + | 25 | .999 | ---- | ---- | 57 | UNCH | 561B | 305A |
| 1152 | ---- | ---- | ---- | 448N | | 509 + | 25 | .999 | ---- | ---- | 1 | UNCH | 509B | 444A |
| 1155 | ---- | ---- | ---- | 432N | | 457 + | 25 | .999 | ---- | ---- | 1102 | UNCH | 529B | 240A |
| 1160 | ---- | ---- | ---- | 401N | | 425 + | 24 | .999 | ---- | ---- | 12 | UNCH | 462B | 211A |
| 1165 | ---- | ---- | ---- | 333N | | 357 + | 24 | .997 | ---- | ---- | 1165 | UNCH | 430B | 149A |
| 1170 | ---- | ---- | ---- | 301N | | 326 + | 25 | .977 | ---- | ---- | 189 | UNCH | 363B | 125A |
| 1172 | ---- | ---- | ---- | 249N | | 310 + | 25 | .976 | ---- | 1 | 1 | UNCH | 310B | 239A |
| 1175 | ---- | ---- | ---- | 233N | | 258 + | 25 | .975 | ---- | 4 | 324 + | 1 | 332B | 103A |
| 1177 | ---- | ---- | ---- | 218N | | 243 + | NEW | .955 | ---- | 1 | 1 + | 1 | 242B | 208A |
| 1180 | ---- | ---- | ---- | 202N | | 227 + | 25 | .952 | ---- | 8 | 8734 - | 7 | 303B | 49A |
| 1182 | ---- | ---- | ---- | 151N | | 212 + | 25 | .932 | ---- | ---- | 4 | UNCH | 211B | 142A |
| 1185 | ---- | ---- | ---- | 136N | | 160 + | 24 | .926 | ---- | 9 | 8540 - | 1 | 240B | 35A |
| 1187 | ---- | ---- | ---- | 122N | | 145 + | 23 | .902 | ---- | 2 | 4 + | 2 | 145 | 115A |
| 1190 | ---- | ---- | ---- | 109N | | 131 + | 22 | .863 | ---- | 15 | 19240 + | 5 | 214B | 23A |
| 1192 | ---- | ---- | ---- | 61N | | 117 + | 20 | .822 | ---- | 2 | 3 - | 2 | 117B | 55A |
| 1195 | ---- | ---- | ---- | 50N | | 104 + | 18 | .768 | ---- | 302 | 34929 + | 74 | 151B | 15 |
| 1197 | ---- | ---- | ---- | 40N | | 56 + | 16 | .703 | ---- | ---- | 557 | UNCH | 56B | 36A |
| 1200 | ---- | ---- | ---- | 32N | | 46 + | 14 | .626 | ---- | 18601 | 79911 - | 7692 | 128B | 10 |
| 1202 | ---- | ---- | ---- | 25N | | 37 + | 12 | .547 | ---- | 5223 | 6756 + | 1558 | 37B | 22A |
| 1205 | ---- | ---- | ---- | 19N | | 30 + | 11 | .468 | ---- | 24078 | 97401 + | 1736 | 117B | 7 |
| 1207 | ---- | ---- | ---- | 14N | | 23 + | 9 | .391 | ---- | 6389 | 6030 + | 3590 | 24 | 14A |
| 1210 | ---- | ---- | ---- | 11N | | 18 + | 7 | .322 | ---- | 47928 | 105379 + | 4487 | 107B | 5A |
| 1212 | ---- | ---- | ---- | 9N | | 14 + | 5 | .262 | ---- | 7586 | 3961 + | 1552 | 14 | 8 |
| 1215 | ---- | ---- | ---- | 7N | | 11 + | 4 | .212 | ---- | 23799 | 76954 + | 5485 | 56B | 4A |
| 1217 | ---- | ---- | ---- | 5N | | 9 + | 4 | .174 | ---- | 12785 | 15662 + | 12272 | 8 | 5 |
| 1220 | ---- | ---- | ---- | 4N | | 7 + | 3 | .139 | ---- | 22835 | 67418 - | 8543 | 44B | 3 |
| 1222 | ---- | ---- | ---- | 3N | | 6 + | 3 | .117 | ---- | 1983 | 1845 + | 1835 | 5 | 4A |
| 1225 | ---- | ---- | ---- | 3N | | 5 + | 2 | .097 | ---- | 3602 | 16876 + | 1536 | 33B | 2 |
| 1227 | ---- | ---- | ---- | 2N | | 4 + | 2 | .078 | ---- | 690 | 1155 + | 687 | 3 | 3 |
| 1230 | ---- | ---- | ---- | 2N | | 3 + | 1 | .060 | ---- | 6710 | 22563 + | 13 | 25B | 2 |
| 1232 | ---- | ---- | ---- | 2N | | 3 + | NEW | .057 | ---- | 28 | 28 + | 28 | 2 | 2A |
| 1235 | ---- | ---- | ---- | 2N | | 2 | UNCH | .040 | ---- | ---- | 16337 | UNCH | 19B | 1 |
| 1237 | ---- | ---- | ---- | 2N | | 2 | UNCH | .038 | ---- | ---- | 74 | UNCH | 2 | 2 |
| 1240 | ---- | ---- | ---- | 1N | | 2 + | 1 | .036 | ---- | ---- | 11557 | UNCH | 16 | 1 |
| 1242 | ---- | ---- | ---- | 1N | | 2 + | 1 | .034 | ---- | ---- | 365 | UNCH | 1 | 1 |
| 1245 | ---- | ---- | ---- | 1N | | 1 | UNCH | .019 | ---- | 362 | 4002 + | 362 | 11B | 1 |
| 1250 | ---- | ---- | ---- | 1N | | 1 | UNCH | .018 | ---- | 4 | 1996 - | 4 | 6B | 1A |
| 1255 | ---- | ---- | ---- | CAB | | 1 + | 1 | .016 | ---- | ---- | 2564 | UNCH | 5B | 1 |
| 1260 | ---- | ---- | ---- | CAB | CAB | | ---- | .001 | ---- | ---- | 2696 | UNCH | 4 | 1 |
| 1265 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 10000 | UNCH | 3B | 1A |
| 1267 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 2600 | UNCH | ---- | ---- |
| 1270 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 5535 | UNCH | 3B | 1A |
| 1275 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 11279 | UNCH | 2B | 1 |
| 1280 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 4015 | UNCH | 2B | 1 |
| 1285 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 738 | UNCH | 2B | 1 |
| 1290 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 5088 | UNCH | 2 | 1 |
| 1295 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 1965 | UNCH | 1B | 1 |
| 1300 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 1650 | UNCH | 1 | 1 |
| 1305 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 261 | UNCH | 1B | 1 |
| 1310 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 953 | UNCH | 1 | ---- |
| 1315 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 663 | UNCH | 1 | ---- |
| 1320 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 205 | UNCH | ---- | ---- |
| 1325 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1330 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 21 | UNCH | ---- | ---- |
| 1335 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1340 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1345 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1350 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 4 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 182947 | 661545 + | 18975 | | |
| SEP18 | | | | | | | | | | | | | | |
| 1060 | ---- | ---- | ---- | 1400N | | 1425 + | 25 | 1.000 | ---- | ---- | 297 | UNCH | 1449B | 1200A |
| 1105 | ---- | ---- | ---- | 932N | | 957 + | 25 | .999 | ---- | ---- | 2 | UNCH | 1018B | 732A |
| 1110 | ---- | ---- | ---- | 900N | | 925 + | 25 | .999 | ---- | ---- | 5 | UNCH | 950B | 663A |
| 1115 | ---- | ---- | ---- | 832N | | 857 + | 25 | .999 | ---- | ---- | 18 | UNCH | 919B | 631A |
| 1120 | ---- | ---- | ---- | 800N | | 825 + | 25 | .999 | ---- | ---- | 18 | UNCH | 860B | 600A |
| 1125 | ---- | ---- | ---- | 732N | | 757 + | 25 | .998 | ---- | ---- | 82 | UNCH | 828B | 532A |
| 1130 | ---- | ---- | ---- | 700N | | 725 + | 25 | .987 | ---- | ---- | 664 | UNCH | 761B | 501A |
| 1135 | ---- | ---- | ---- | 632N | | 657 + | 25 | .986 | ---- | ---- | 187 | UNCH | 729B | 434A |
| 1140 | ---- | ---- | ---- | 600N | | 625 + | 25 | .986 | ---- | 3 | 105 + | 3 | 661B | 404A |
| 1145 | ---- | ---- | ---- | 532N | | 557 + | 25 | .985 | ---- | 1 | 455 | UNCH | 629B | 338A |
| 1150 | ---- | ---- | ---- | 501N | | 526 + | 25 | .973 | ---- | ---- | 699 | UNCH | 562B | 308A |
| 1155 | ---- | ---- | ---- | 433N | | 458 + | 25 | .971 | ---- | 3 | 9 + | 2 | 530B | 244A |
| 1160 | ---- | ---- | ---- | 402N | | 426 + | 24 | .968 | ---- | 2 | 311 + | 1 | 463B | 217A |
| 1165 | ---- | ---- | ---- | 335N | | 359 + | 24 | .954 | ---- | 4 | 29 - | 1 | 432B | 156A |
| 1170 | ---- | ---- | ---- | 304N | | 328 + | 24 | .949 | ---- | 535 | 4158 + | 235 | 401B | 133A |
| 1175 | ---- | ---- | ---- | 238N | | 262 + | 24 | .920 | ---- | 5 | 2684 | UNCH | 335B | 113A |
| 1180 | ---- | ---- | ---- | 209N | | 231 + | 22 | .899 | ---- | 3 | 15558 | UNCH | 306B | 59A |
| 1185 | ---- | ---- | ---- | 145N | | 203 + | 22 | .845 | ---- | ---- | 18262 | UNCH | 245B | 44A |
| 1190 | ---- | ---- | ---- | 121N | | 140 + | 19 | .781 | ---- | 409 | 25003 - | 184 | 219B | 32A |
| 1195 | ---- | ---- | ---- | 63N | | 116 + | 17 | .693 | ---- | 3086 | 42396 - | 1943 | 160B | 23A |
| 1200 | ---- | ---- | ---- | 46N | | 60 + | 14 | .588 | ---- | 6389 | 139699 - | 706 | 138B | 16A |
| 1205 | ---- | ---- | ---- | 33N | | 44 + | 11 | .479 | ---- | 13053 | 80249 + | 1103 | 129B | 11 |
| 1210 | ---- | ---- | ---- | 23N | | 31 + | 8 | .374 | ---- | 19750 | 71773 + | 2992 | 115B | 8 |
| 1215 | ---- | ---- | ---- | 16N | | 22 + | 6 | .285 | ---- | 8385 | 48891 + | 1663 | 101B | 6 |
| 1220 | ---- | ---- | ---- | 11N | | 15 + | 4 | .209 | ---- | 23041 | 142050 + | 11470 | 54 | 5 |
| 1225 | ---- | ---- | ---- | 8N | | 11 + | 3 | .156 | ---- | 1770 | 25404 + | 478 | 41B | 4A |
| 1230 | ---- | ---- | ---- | 6N | | 8 + | 2 | .116 | ---- | 7751 | 28524 + | 2238 | 32B | 3 |
| 1235 | ---- | ---- | ---- | 4N | | 6 + | 2 | .087 | ---- | 580 | 8545 + | 198 | 25B | 3 |
| 1240 | ---- | ---- | ---- | 3N | | 5 + | 2 | .071 | ---- | 2980 | 10664 - | 517 | 20B | 2 |
| 1245 | ---- | ---- | ---- | 3N | | 4 + | 1 | .056 | ---- | 3535 | 18332 + | 1950 | 15B | 2 |
| 1250 | ---- | ---- | ---- | 2N | | 3 + | 1 | .042 | ---- | 54 | 17431 + | 54 | 12B | 2 |
| 1255 | ---- | ---- | ---- | 2N | | 3 + | 1 | .039 | ---- | 295 | 4631 | UNCH | 9B | 2 |
| 1260 | ---- | ---- | ---- | 2N | | 2 | UNCH | .027 | ---- | 2889 | 6450 + | 2450 | 7B | 2 |
| 1265 | ---- | ---- | ---- | 2N | | 2 | UNCH | .025 | ---- | ---- | 10551 | UNCH | 5B | 2 |
| 1270 | ---- | ---- | ---- | 2N | | 2 | UNCH | .024 | ---- | ---- | 6262 | UNCH | 5 | 1 |
| 1275 | ---- | ---- | ---- | 1N | | 2 + | 1 | .023 | ---- | ---- | 10501 | UNCH | 4B | 1 |
| 1280 | ---- | ---- | ---- | 1N | | 1 | UNCH | .012 | ---- | 1785 | 2264 + | 1195 | 3 | 1 |
| 1285 | ---- | ---- | ---- | 1N | | 1 | UNCH | .012 | ---- | 26 | 5442 + | 11 | 3B | 1 |
| 1290 | ---- | ---- | ---- | 1N | CAB | | ---- | .001 | ---- | ---- | 2059 | UNCH | 3B | 1 |
| 1295 | ---- | ---- | ---- | 1N | CAB | | ---- | .000 | ---- | 3196 | 6613 + | 1200 | 2 | 1 |
| 1300 | ---- | ---- | ---- | 1N | CAB | | ---- | .000 | ---- | ---- | 1068 | UNCH | 2 | 2 |
| 1305 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 219 | UNCH | 2B | 1A |
| 1310 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | 700 | 1870 + | 136 | 2B | 1 |
| 1315 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 311 | UNCH | 1 | 1 |
| 1320 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 2652 | UNCH | 1 | 1A |
| 1325 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 964 | UNCH | 1 | 1A |
| 1330 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 6610 | UNCH | 1 | 1 |
| 1335 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 1375 | UNCH | 1B | ---- |
| 1340 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 213 | UNCH | ---- | ---- |
| 1345 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 584 | UNCH | ---- | ---- |
| 1350 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 7 | UNCH | 1B | ---- |
| 1355 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 351 | UNCH | 1B | ---- |
| 1360 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 15870 | UNCH | ---- | ---- |
| 1365 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 12 | UNCH | ---- | ---- |
| 1370 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 3118 | UNCH | ---- | ---- |
| 1375 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 697 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 100230 | 793198 + | 24028 | | |
| OCT18 | | | | | | | | | | | | | | |
| 1195 | ---- | ---- | ---- | 105N | | 120 + | 15 | .624 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1200 | ---- | ---- | ---- | 52N | | 101 + | 13 | .539 | ---- | ---- | 197 | UNCH | 51 | 51 |
| TOTAL | | | | | | | | | | 0 | 247 | | | |
| DEC18 | | | | | | | | | | | | | | |
| 1240 | ---- | ---- | ---- | 11N | | 14 + | 3 | .131 | ---- | ---- | 100 | UNCH | 11 | 11 |
| TOTAL | | | | | | | | | | 0 | 100 | | | |

## 10 YEAR NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y NOTE PUT | | | | | | | | | | | |
| AUG18 10Y NOTE PUT | | | | | | | | | | | |
| 1075 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 14 | UNCH | ---- | ---- |
| 1080 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1090 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 505 | UNCH | ---- | 1A |
| 1095 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | ---- | 1A |
| 1100 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | 1A |
| 1110 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 106 | UNCH | ---- | ---- |

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1115 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 681 | UNCH | 1 | 1A |
| 1120 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 145 | UNCH | 1 | 1A |
| 1125 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 510 | UNCH | 2 | 1 |
| 1130 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1047 | UNCH | 2B | 1A |
| 1135 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | 1766 | 4871 + | 1764 | 3 | 1A |
| 1140 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | 250 | 20671 - | 250 | 4B | 1 |
| 1145 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 2231 | UNCH | 5 | 1 |
| 1147 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 569 | UNCH | ---- | ---- |
| 1150 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 6 | 4031 - | 6 | 7B | 1 |
| 1155 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 1 | 4750 - | 1 | 10B | 1 |
| 1157 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | ---- | 121 | UNCH | ---- | ---- |
| 1160 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | 5 | 8425 - | 5 | 14B | 1 |
| 1165 | ---- | ---- | ---- | 1N | CAB | ---- | .002 | ---- | ---- | 21724 | UNCH | 20B | 1 |
| 1167 | ---- | ---- | ---- | 1N | 1 | UNCH | .020 | ---- | ---- | 224 | UNCH | 1 | 1 |
| 1170 | ---- | ---- | ---- | 1N | 1 | UNCH | .022 | ---- | 124 | 20220 - | 124 | 28 | 1 |
| 1172 | ---- | ---- | ---- | 1N | 1 | UNCH | .023 | ---- | 235 | 235 + | 235 | 1 | 1 |
| 1175 | ---- | ---- | ---- | 1N | 1 | UNCH | .024 | ---- | 2235 | 40466 + | 831 | 39B | 1 |
| 1177 | ---- | ---- | ---- | 2N | 2 | UNCH | .044 | ---- | ---- | 504 | UNCH | 2 | 2 |
| 1180 | ---- | ---- | ---- | 2N | 2 | UNCH | .047 | ---- | 5001 | 64969 - | 1356 | 52B | 1 |
| 1182 | ---- | ---- | ---- | 3N | 3 | UNCH | .067 | ---- | ---- | 1065 | UNCH | 4 | 4 |
| 1185 | ---- | ---- | ---- | 4N | 3 - | 1 | .073 | ---- | 14208 | 105175 + | 5247 | 106B | 3 |
| 1187 | ---- | ---- | ---- | 6N | 4 - | 2 | .097 | ---- | 2222 | 3033 + | 1284 | 8 | 4 |
| 1190 | ---- | ---- | ---- | 9N | 6 - | 3 | .136 | ---- | 12532 | 50433 + | 1145 | 126B | 6 |
| 1192 | ---- | ---- | ---- | 13N | 8 - | 5 | .177 | ---- | 2331 | 3387 + | 1085 | 16 | 8 |
| 1195 | 13 | 13 | *13 | 13 | 11 - | 7 | .231 | ---- | 21402 | 65244 + | 12013 | 149B | 11 |
| 1197 | ---- | ---- | ---- | 24N | 15 - | 9 | .296 | ---- | 4826 | 5739 + | 2188 | 29B | 16 |
| 1200 | ---- | ---- | ---- | 32N | 21 - | 11 | .373 | ---- | 16297 | 33445 + | 1415 | 211B | 21 |
| 1202 | ---- | ---- | ---- | 41N | 28 - | 13 | .452 | ---- | 12054 | 8097 + | 7854 | 48B | 28 |
| 1205 | ---- | ---- | ---- | 51N | 37 - | 14 | .531 | ---- | 2753 | 8281 + | 1159 | 240B | 37A |
| 1207 | ---- | ---- | ---- | 62N | 46 - | 16 | .608 | ---- | 56 | 53 + | 51 | 107B | 46 |
| 1210 | ---- | ---- | ---- | 111N | 57 - | 18 | .677 | ---- | 1 | 2740 - | 1 | 305B | 52A |
| 1212 | ---- | ---- | ---- | 125N | 105 + | NEW | .737 | ---- | 2 | 2 + | 2 | 134B | 105A |
| 1215 | ---- | ---- | ---- | 139N | 118 - | 21 | .787 | ---- | 2 | 61 | UNCH | 336B | 106A |
| 1217 | ---- | ---- | ---- | 153N | 132 - | 21 | .825 | ---- | 1 | 2 | UNCH | 163B | 131A |
| 1220 | ---- | ---- | ---- | 204N | 146 - | 22 | .860 | ---- | 8 | 33 - | 1 | 403B | 128A |
| 1222 | ---- | ---- | ---- | 219N | 161 - | 22 | .882 | ---- | 1 | 2 - | 1 | 229B | 160A |
| 1225 | ---- | ---- | ---- | 235N | 212 - | 23 | .902 | ---- | 2 | 19 | UNCH | 435B | 152A |
| 1227 | ---- | ---- | ---- | 250N | 227 - | 23 | .921 | ---- | ---- | 1 | UNCH | 260B | 226A |
| 1230 | ---- | ---- | ---- | 302N | 242 - | 24 | .939 | ---- | 3 | 19 - | 1 | 502B | 215A |
| 1232 | ---- | ---- | ---- | 318N | 258 + | NEW | .942 | ---- | 1 | 1 + | 1 | 322B | 257A |
| 1235 | ---- | ---- | ---- | 334N | 309 - | 25 | .959 | ---- | ---- | 50 | UNCH | 533B | 246A |
| 1237 | ---- | ---- | ---- | 350N | 325 - | 25 | .961 | ---- | ---- | 4 | UNCH | 355B | 325A |
| 1240 | ---- | ---- | ---- | 401N | 341 - | 24 | .963 | ---- | ---- | 35 | UNCH | 601B | 313A |
| 1242 | ---- | ---- | ---- | 417N | 357 + | NEW | .965 | ---- | 4 | 4 + | 4 | 421B | 356A |
| 1245 | ---- | ---- | ---- | 433N | 408 - | 25 | .980 | ---- | 4 | 10 + | 1 | 633B | 343A |
| 1250 | ---- | ---- | ---- | 501N | 440 - | 25 | .981 | ---- | ---- | 68 | UNCH | 701B | 409A |
| 1255 | ---- | ---- | ---- | 532N | 508 - | 24 | .983 | ---- | ---- | 24 | UNCH | 733B | 440A |
| 1257 | ---- | ---- | ---- | 548N | 523 - | 25 | .998 | ---- | 1 | 2 + | 1 | 553B | 523A |
| 1260 | ---- | ---- | ---- | 600N | 539 - | 25 | .998 | ---- | ---- | 81 | UNCH | 800B | 507A |
| 1262 | ---- | ---- | ---- | 616N | 555 + | NEW | .999 | ---- | 2 | 2 + | 2 | 621B | 555A |
| 1265 | ---- | ---- | ---- | 632N | 607 - | 25 | .999 | ---- | 1 | 45 + | 1 | 832B | 539A |
| 1270 | ---- | ---- | ---- | 700N | 639 - | 25 | .999 | ---- | ---- | 5 | UNCH | 900B | 606A |
| 1275 | ---- | ---- | ---- | 732N | 707 - | 25 | .999 | ---- | ---- | 20 | UNCH | 932B | 638A |
| 1280 | ---- | ---- | ---- | 800N | 739 - | 25 | .999 | ---- | ---- | 21 | UNCH | 1000B | 705A |
| 1285 | ---- | ---- | ---- | 832N | 807 - | 25 | .999 | ---- | ---- | 23 | UNCH | 1032B | 737A |
| 1290 | ---- | ---- | ---- | 900N | 839 - | 25 | 1.000 | ---- | ---- | 6 | UNCH | 1100B | 805A |
| 1295 | ---- | ---- | ---- | 932N | 907 - | 25 | 1.000 | ---- | ---- | 8 | UNCH | 1132B | 837A |
| 1300 | ---- | ---- | ---- | 1000N | 939 - | 25 | 1.000 | ---- | ---- | 1 | UNCH | 1200B | 904A |
| TOTAL | | | | | | | | | 98337 | 484271 + | 34537 | | |
| SEP18 | | | | | | | | | | | | | |
| 1060 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2084 | UNCH | ---- | ---- |
| 1065 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 23052 | UNCH | ---- | ---- |
| 1070 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 30786 | UNCH | ---- | ---- |
| 1075 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 22060 | UNCH | ---- | ---- |
| 1080 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 15326 | UNCH | ---- | ---- |
| 1085 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 26713 | UNCH | ---- | ---- |
| 1090 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2147 | UNCH | 1 | 1 |
| 1095 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 215 | UNCH | 2B | 1 |
| 1100 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1254 | UNCH | 1 | 1 |
| 1105 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 8623 | UNCH | 1 | 1 |
| 1110 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1650 | UNCH | 2 | 1 |
| 1115 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 2024 | 4203 + | 2024 | 2 | 1 |
| 1120 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | 2024 | 14011 + | 1511 | 2 | 1 |
| 1125 | ---- | ---- | ---- | 1N | CAB | ---- | .001 | ---- | ---- | 4098 | UNCH | 3 | 1 |
| 1130 | ---- | ---- | ---- | 1N | 1 | UNCH | .012 | ---- | ---- | 1349 | UNCH | 4B | 1 |
| 1135 | ---- | ---- | ---- | 1N | 1 | UNCH | .013 | ---- | ---- | 11731 | UNCH | 5B | 1 |
| 1140 | ---- | ---- | ---- | 1N | 1 | UNCH | .013 | ---- | 1098 | 14137 + | 865 | 6 | 1 |
| 1145 | ---- | ---- | ---- | 1N | 1 | UNCH | .014 | ---- | 1137 | 2400 + | 151 | 8 | 1 |
| 1150 | ---- | ---- | ---- | 1N | 2 + | 1 | .026 | ---- | 274 | 11876 - | 24 | 11 | 2A |
| 1155 | ---- | ---- | ---- | 1N | 2 + | 1 | .028 | ---- | 1 | 7580 | UNCH | 15 | 3 |
| 1160 | ---- | ---- | ---- | 2N | 2 | UNCH | .031 | ---- | 3140 | 18984 + | 60 | 20B | 2 |
| 1165 | ---- | ---- | ---- | 3N | 3 | UNCH | .045 | ---- | 13 | 31290 - | 3 | 27 | 2 |
| 1170 | ---- | ---- | ---- | 4N | 3 - | 1 | .050 | ---- | 1877 | 57984 + | 527 | 36 | 3 |
| 1175 | ---- | ---- | ---- | 6N | 5 - | 1 | .079 | ---- | 9410 | 62979 + | 3854 | 48B | 4 |
| 1180 | ---- | ---- | ---- | 9N | 6 - | 3 | .100 | ---- | 10108 | 55774 - | 1532 | 62B | 7 |
| 1185 | ---- | ---- | ---- | 13N | 10 - | 3 | .154 | ---- | 6368 | 56101 + | 1099 | 115B | 10 |
| 1190 | ---- | ---- | ---- | 21N | 15 - | 6 | .218 | ---- | 12089 | 42488 + | 4238 | 135B | 16 |
| 1195 | ---- | ---- | ---- | 31N | 23 - | 8 | .306 | ---- | 10605 | 40368 - | 1300 | 157B | 23 |
| 1200 | ---- | ---- | ---- | 46N | 35 - | 11 | .411 | ---- | 7599 | 37280 + | 565 | 218B | 35 |
| 1205 | ---- | ---- | ---- | 101N | 51 - | 14 | .520 | ---- | 2223 | 11677 + | 761 | 245B | 48A |
| 1210 | ---- | ---- | ---- | 123N | 106 - | 17 | .625 | ---- | 9 | 7767 + | 1 | 309B | 63A |
| 1215 | ---- | ---- | ---- | 148N | 129 - | 19 | .714 | ---- | ---- | 436 | UNCH | 339B | 116A |
| 1220 | ---- | ---- | ---- | 211N | 154 - | 21 | .790 | ---- | ---- | 5751 | UNCH | 405B | 137A |
| 1225 | ---- | ---- | ---- | 240N | 218 - | 22 | .843 | ---- | 1 | 50 - | 1 | 436B | 161A |
| 1230 | ---- | ---- | ---- | 306N | 247 - | 23 | .883 | ---- | 5 | 43 + | 2 | 503B | 222A |
| 1235 | ---- | ---- | ---- | 336N | 313 - | 23 | .912 | ---- | ---- | 82 | UNCH | 535B | 252 |
| 1240 | ---- | ---- | ---- | 402N | 343 - | 23 | .928 | ---- | 6 | 9 + | 1 | 602B | 318A |
| 1245 | ---- | ---- | ---- | 434N | 410 - | 24 | .943 | ---- | ---- | 964 | UNCH | 633B | 347A |
| 1250 | ---- | ---- | ---- | 501N | 441 - | 24 | .957 | ---- | 2 | 1216 + | 2 | 701B | 413A |
| 1255 | ---- | ---- | ---- | 533N | 509 - | 24 | .960 | ---- | ---- | 116 | UNCH | 733B | 443A |
| 1260 | ---- | ---- | ---- | 601N | 540 - | 25 | .972 | ---- | 1 | 58 - | 1 | 801B | 509A |
| 1265 | ---- | ---- | ---- | 633N | 608 - | 25 | .974 | ---- | 3 | 1638 | UNCH | 833B | 540A |
| 1270 | ---- | ---- | ---- | 701N | 640 - | 25 | .975 | ---- | ---- | 32 | UNCH | 900B | 608A |
| 1275 | ---- | ---- | ---- | 732N | 708 - | 24 | .976 | ---- | ---- | 206 | UNCH | 932B | 639A |
| 1280 | ---- | ---- | ---- | 800N | 739 - | 25 | .987 | ---- | ---- | 15 | UNCH | 1000B | 706A |
| 1285 | ---- | ---- | ---- | 832N | 807 - | 25 | .987 | ---- | ---- | 13 | UNCH | 1032B | 738A |
| 1290 | ---- | ---- | ---- | 900N | 839 - | 25 | .998 | ---- | ---- | 7 | UNCH | 1100B | 805A |
| 1295 | ---- | ---- | ---- | 932N | 907 - | 25 | .999 | ---- | ---- | 12 | UNCH | 1132B | 837A |
| 1300 | ---- | ---- | ---- | 1000N | 939 - | 25 | .999 | ---- | ---- | 6 | UNCH | 1200B | 905A |
| 1305 | ---- | ---- | ---- | 1032N | 1007 - | 25 | .999 | ---- | ---- | 5 | UNCH | 1232B | 937A |
| 1310 | ---- | ---- | ---- | 1100N | 1039 - | 25 | .999 | ---- | ---- | 2 | UNCH | 1300B | 1004A |
| TOTAL | | | | | | | | | 70017 | 638648 + | 12800 | | |
| OCT18 | | | | | | | | | | | | | |
| 1060 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | ---- | 1723 | UNCH | ---- | ---- |
| 1070 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | ---- | 2475 | UNCH | ---- | ---- |
| 1075 | 7$ | CAB | CAB | CAB | CAB | ---- | .000 | ---- | 144 | 144 + | 144 | ---- | ---- |
| 1195 | ---- | ---- | ---- | 51N | 39 - | 12 | .375 | ---- | ---- | 50 | UNCH | ---- | 47A |
| TOTAL | | | | | | | | | 144 | 4392 + | 144 | | |

5 YEAR NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y NOTE CALL | | | | | | | | | | | |
| AUG18 | 5Y NOTE CALL | | | | | | | | | | |
| 1085 | ---- | ---- | ---- | 5015N | 5165 + 150 | .999 | ---- | ---- | 5 UNCH | 5475B | 4005A |
| 1087 | ---- | ---- | ---- | 4495N | 5005 + 150 | .999 | ---- | ---- | 3 UNCH | 5315B | 3490A |
| 1090 | ---- | ---- | ---- | 4335N | 4485 + 150 | .999 | ---- | ---- | 39 UNCH | 5155B | 3320A |
| 1092 | ---- | ---- | ---- | 4175N | 4325 + 150 | .999 | ---- | ---- | 44 UNCH | 5000B | 3160A |
| 1095 | ---- | ---- | ---- | 4015N | 4165 + 150 | .999 | ---- | ---- | 29 UNCH | 4480B | 3005A |
| 1097 | ---- | ---- | ---- | 3495N | 4005 + 150 | .999 | ---- | ---- | 8 UNCH | 4320B | 2485A |
| 1100 | ---- | ---- | ---- | 3335N | 3485 + 150 | .998 | ---- | ---- | 40 UNCH | 4160B | 2330A |
| 1102 | ---- | ---- | ---- | 3180N | 3325 + 145 | .997 | ---- | ---- | 25 UNCH | 4000B | 2175A |
| 1105 | ---- | ---- | ---- | 3020N | 3170 + 150 | .986 | ---- | ---- | 13 UNCH | 3480B | 2020A |
| 1107 | ---- | ---- | ---- | 2500N | 3010 + 150 | .985 | ---- | ---- | 22 UNCH | 3355B | 1510A |
| 1110 | ---- | ---- | ---- | 2340N | 2490 + 150 | .984 | ---- | ---- | 18 UNCH | 3245B | 1360A |
| 1112 | ---- | ---- | ---- | 2180N | 2330 + 150 | .983 | ---- | ---- | 11 UNCH | 3085B | 1205A |
| 1115 | ---- | ---- | ---- | 2020N | 2170 + 150 | .982 | ---- | ---- | 20 UNCH | 2565B | 1075A |
| 1117 | ---- | ---- | ---- | 1505N | 2010 + 145 | .980 | ---- | ---- | 37 UNCH | 2410B | 590A |
| 1120 | ---- | ---- | ---- | 1345N | 1495 + 150 | .963 | ---- | ---- | 52 UNCH | 2255B | 475A |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.
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**FINAL**



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1122 | ---- | ---- | ---- | 1190N | 1335 | + | 145 | .959 | ---- | 1 | 608 | - | 1 | 2100B | 375A |
| 1125 | ---- | ---- | ---- | 1035N | 1175 | + | 140 | .953 | ---- | 10 | 446 | + | 5 | 1590B | 285A |
| 1127 | ---- | ---- | ---- | 535N | 1030 | + | 135 | .901 | ---- | 10 | 1336 | | UNCH | 1440B | 215A |
| 1130 | ---- | ---- | ---- | 405N | 525 | + | 120 | .846 | ---- | 2 | 8957 | | UNCH | 1315B | 155A |
| 1132 | ---- | ---- | ---- | 295N | 400 | + | 105 | .750 | ---- | 1149 | 13505 | - | 179 | 1180B | 115 |
| 1135 | ---- | ---- | ---- | 210N | 295 | + | 85 | .631 | ---- | 3409 | 31765 | + | 1376 | 1065B | 80 |
| 1137 | ---- | ---- | ---- | 145N | 210 | + | 65 | .505 | ---- | 48921 | 41972 | - | 3893 | 595B | 60A |
| 1140 | ---- | ---- | ---- | 100N | 145 | + | 45 | .385 | ---- | 11384 | 47749 | + | 6730 | 495B | 40 |
| 1142 | ---- | ---- | ---- | 65N | 100 | + | 35 | .284 | ---- | 5397 | 33535 | + | 2333 | 415B | 35A |
| 1145 | ---- | ---- | ---- | 45N | 70 | + | 25 | .207 | ---- | 2493 | 34583 | + | 448 | 340B | 25 |
| 1147 | ---- | ---- | ---- | 30N | 50 | + | 20 | .151 | ---- | 1496 | 15876 | - | 608 | 280B | 20 |
| 1150 | ---- | ---- | ---- | 20N | 35 | + | 15 | .108 | ---- | 610 | 17539 | - | 264 | 230B | 20 |
| 1152 | ---- | ---- | ---- | 15N | 25 | + | 10 | .077 | ---- | ---- | 4834 | | UNCH | 190B | 15 |
| 1155 | ---- | ---- | ---- | 15N | 20 | + | 5 | .060 | ---- | 708 | 9225 | - | 266 | 155B | 15 |
| 1157 | ---- | ---- | ---- | 10N | 15 | + | 5 | .045 | ---- | ---- | 18924 | | UNCH | 130 | 10 |
| 1160 | ---- | ---- | ---- | 10N | 10 | | UNCH | .030 | ---- | 37 | 1266 | + | 37 | 105 | 10 |
| 1162 | ---- | ---- | ---- | 5N | 10 | + | 5 | .028 | ---- | ---- | 3632 | | UNCH | 85B | 10 |
| 1165 | ---- | ---- | ---- | 5N | 5 | | UNCH | .015 | ---- | ---- | 1878 | | UNCH | 70B | 5 |
| 1167 | ---- | ---- | ---- | 5N | 5 | | UNCH | .014 | ---- | 34 | 415 | + | 34 | 60B | 5 |
| 1170 | ---- | ---- | ---- | 5N | 5 | | UNCH | .013 | ---- | ---- | 68 | | UNCH | 50B | 5 |
| 1172 | ---- | ---- | ---- | CAB | 5 | + | 5 | .012 | ---- | ---- | 185 | | UNCH | 40B | 10 |
| 1175 | ---- | ---- | ---- | CAB | 5 | + | 5 | .012 | ---- | ---- | 2796 | | UNCH | 35B | 5 |
| 1177 | ---- | ---- | ---- | CAB | CAB | | ---- | .002 | ---- | ---- | 691 | | UNCH | 30 | 2 |
| 1180 | ---- | ---- | ---- | CAB | CAB | | ---- | .001 | ---- | ---- | 701 | | UNCH | 25B | 2 |
| 1182 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 539 | | UNCH | 25B | 2 |
| 1185 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 108 | | UNCH | 20B | 5 |
| 1187 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 34 | | UNCH | 20B | 5 |
| 1190 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 1 | | UNCH | 15B | 5 |
| 1192 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 27 | | UNCH | 15B | 5 |
| 1200 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 934 | | UNCH | 10B | 5 |
| 1202 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 40 | | UNCH | 10B | 2A |
| 1205 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 150 | | UNCH | 10 | 2A |
| 1207 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 40 | | UNCH | 10B | 2 |
| 1210 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 730 | | UNCH | 5B | 2A |
| 1212 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 28 | | UNCH | 5B | 2 |
| 1215 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 10 | | UNCH | 5B | 2 |
| 1217 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 1 | | UNCH | 5B | 2 |
| TOTAL | | | | | | | | | | 75661 | 295494 | + | 5752 | | |
| SEP18 | | | | | | | | | | | | | | | |
| 1075 | ---- | ---- | ---- | 6015N | 6165 | + | 150 | .998 | ---- | ---- | 5 | | UNCH | 6475B | 5005A |
| 1077 | ---- | ---- | ---- | 5495N | 6005 | + | 150 | .991 | ---- | ---- | 1 | | UNCH | 6315B | 4485A |
| 1080 | ---- | ---- | ---- | 5335N | 5485 | + | 150 | .991 | ---- | ---- | 4 | | UNCH | 6155B | 4325A |
| 1082 | ---- | ---- | ---- | 5175N | 5325 | + | 150 | .990 | ---- | ---- | 32 | | UNCH | 5635B | 4170A |
| 1085 | ---- | ---- | ---- | 5015N | 5165 | + | 150 | .990 | ---- | ---- | 15 | | UNCH | 5475B | 4000A |
| 1087 | ---- | ---- | ---- | 4495N | 5005 | + | 150 | .990 | ---- | ---- | 63 | | UNCH | 5320B | 3480A |
| 1090 | ---- | ---- | ---- | 4335N | 4485 | + | 150 | .989 | ---- | ---- | 49 | | UNCH | 5160B | 3325A |
| 1092 | ---- | ---- | ---- | 4175N | 4325 | + | 150 | .989 | ---- | 13 | 104 | + | 12 | 5000B | 3165A |
| 1095 | ---- | ---- | ---- | 4015N | 4165 | + | 150 | .988 | ---- | 18 | 39 | + | 18 | 4480B | 3010A |
| 1097 | ---- | ---- | ---- | 3500N | 4005 | + | 145 | .988 | ---- | 5 | 23 | + | 5 | 4320B | 2495A |
| 1100 | ---- | ---- | ---- | 3340N | 3490 | + | 150 | .978 | ---- | ---- | 22 | | UNCH | 4240B | 2340A |
| 1102 | ---- | ---- | ---- | 3180N | 3330 | + | 150 | .977 | ---- | 3 | 11 | + | 2 | 4080B | 2185A |
| 1105 | ---- | ---- | ---- | 3020N | 3170 | + | 150 | .976 | ---- | ---- | 39 | | UNCH | 3565B | 2035A |
| 1107 | ---- | ---- | ---- | 2500N | 3010 | + | 150 | .974 | ---- | 3 | 18 | + | 1 | 3405B | 1525A |
| 1110 | ---- | ---- | ---- | 2345N | 2490 | + | 145 | .973 | ---- | ---- | 25 | | UNCH | 3245B | 1380A |
| 1112 | ---- | ---- | ---- | 2185N | 2335 | + | 150 | .961 | ---- | ---- | 20 | | UNCH | 3090B | 1245A |
| 1115 | ---- | ---- | ---- | 2030N | 2175 | + | 145 | .958 | ---- | ---- | 20 | | UNCH | 2575B | 1115A |
| 1117 | ---- | ---- | ---- | 1515N | 2020 | + | 145 | .944 | ---- | ---- | 37 | | UNCH | 2420B | 635A |
| 1120 | ---- | ---- | ---- | 1370N | 1510 | + | 140 | .929 | ---- | 1 | 43 | | UNCH | 2265B | 525A |
| 1122 | ---- | ---- | ---- | 1220N | 1360 | + | 140 | .903 | ---- | 3 | 55 | - | 1 | 2115B | 430A |
| 1125 | ---- | ---- | ---- | 1080N | 1215 | + | 135 | .867 | ---- | 3 | 811 | | UNCH | 1610B | 345A |
| 1127 | ---- | ---- | ---- | 595N | 1075 | + | 120 | .821 | ---- | ---- | 2673 | | UNCH | 1485B | 270A |
| 1130 | ---- | ---- | ---- | 480N | 590 | + | 110 | .755 | ---- | 52 | 6069 | + | 52 | 1350B | 210A |
| 1132 | ---- | ---- | ---- | 380N | 480 | + | 100 | .676 | ---- | ---- | 9370 | | UNCH | 1230 | 165A |
| 1135 | ---- | ---- | ---- | 295N | 380 | + | 85 | .592 | ---- | 1684 | 28480 | + | 625 | 1115B | 125A |
| 1137 | ---- | ---- | ---- | 225N | 295 | + | 70 | .504 | ---- | 3363 | 9493 | + | 1566 | 1015B | 95 |
| 1140 | ---- | ---- | ---- | 170N | 225 | + | 55 | .418 | ---- | 659 | 16241 | - | 315 | 560B | 75 |
| 1142 | ---- | ---- | ---- | 130N | 175 | + | 45 | .341 | ---- | 1930 | 54447 | - | 500 | 475B | 55A |
| 1145 | ---- | ---- | ---- | 95N | 130 | + | 35 | .271 | ---- | 2451 | 25358 | + | 1079 | 400B | 45A |
| 1147 | ---- | ---- | ---- | 75N | 100 | + | 25 | .216 | ---- | 4300 | 13832 | + | 2396 | 340B | 35 |
| 1150 | ---- | ---- | ---- | 55N | 75 | + | 20 | .168 | ---- | 15437 | 32558 | + | 9186 | 285B | 30 |
| 1152 | ---- | ---- | ---- | 40N | 60 | + | 20 | .135 | ---- | 235 | 12891 | - | 2 | 240B | 25 |
| 1155 | ---- | ---- | ---- | 30N | 45 | + | 15 | .104 | ---- | 52 | 1861 | - | 10 | 200B | 25 |
| 1157 | ---- | ---- | ---- | 25N | 35 | + | 10 | .082 | ---- | ---- | 1049 | | UNCH | 170B | 20 |
| 1160 | ---- | ---- | ---- | 20N | 30 | + | 10 | .069 | ---- | 126 | 7921 | | UNCH | 135B | 20 |
| 1162 | ---- | ---- | ---- | 20N | 25 | + | 5 | .056 | ---- | ---- | 1558 | | UNCH | 115B | 15 |
| 1165 | ---- | ---- | ---- | 15N | 20 | + | 5 | .045 | ---- | 50 | 690 | | UNCH | 95 | 15 |
| 1167 | ---- | ---- | ---- | 15N | 15 | | UNCH | .034 | ---- | 44 | 395 | - | 44 | 85B | 15 |
| 1170 | ---- | ---- | ---- | 10N | 15 | + | 5 | .033 | ---- | ---- | 5975 | | UNCH | 70B | 15 |
| 1172 | ---- | ---- | ---- | 10N | 10 | | UNCH | .023 | ---- | 780 | 1112 | + | 513 | 60B | 10 |
| 1175 | ---- | ---- | ---- | 10N | 10 | | UNCH | .021 | ---- | 593 | 841 | + | 484 | 55B | 10 |
| 1177 | ---- | ---- | ---- | 5N | 10 | + | 5 | .020 | ---- | ---- | 942 | | UNCH | 45B | 10 |
| 1180 | ---- | ---- | ---- | 5N | 10 | + | 5 | .020 | ---- | ---- | 687 | | UNCH | 40B | 10 |
| 1182 | ---- | ---- | ---- | 5N | 5 | | UNCH | .011 | ---- | ---- | 823 | | UNCH | 35B | 10 |
| 1185 | ---- | ---- | ---- | 5N | 5 | | UNCH | .010 | ---- | ---- | 1733 | | UNCH | 30B | 5 |
| 1187 | ---- | ---- | ---- | 5N | 5 | | UNCH | .010 | ---- | 262 | 672 | + | 88 | 30B | 5 |
| 1190 | ---- | ---- | ---- | 5N | 5 | | UNCH | .009 | ---- | 661 | 727 | + | 639 | 25B | 5 |
| 1192 | ---- | ---- | ---- | 5N | 5 | | UNCH | .009 | ---- | ---- | 147 | | UNCH | 25B | 5 |
| 1195 | ---- | ---- | ---- | CAB | 5 | + | 5 | .009 | ---- | ---- | 2500 | | UNCH | 20B | 5 |
| 1197 | ---- | ---- | ---- | CAB | 5 | + | 5 | .008 | ---- | ---- | 203 | | UNCH | 20 | 2A |
| 1200 | ---- | ---- | ---- | CAB | CAB | | ---- | .001 | ---- | ---- | 12 | | UNCH | 15B | 10A |
| 1202 | ---- | ---- | ---- | CAB | CAB | | ---- | .001 | ---- | ---- | 133 | | UNCH | 15B | 5 |
| 1205 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 4002 | | UNCH | 15B | 5 |
| 1207 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 306 | | UNCH | 15B | 2 |
| 1210 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 203 | | UNCH | 10 | 2 |
| 1212 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 90 | | UNCH | 10 | 2 |
| 1215 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 138 | | UNCH | 10B | 2 |
| 1217 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 300 | | UNCH | 10 | 2 |
| 1220 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 92 | | UNCH | 10B | 2 |
| 1225 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 359 | | UNCH | 5 | 2 |
| 1227 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 1 | | UNCH | 5B | 2 |
| 1230 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 109 | | UNCH | 5B | 5 |
| 1235 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 103 | | UNCH | 5B | 2A |
| 1240 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 304 | | UNCH | 2B | 2A |
| TOTAL | | | | | | | | | | 32728 | 248836 | + | 15794 | | |

## 5 YEAR NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y NOTE PUT | | | | | | | | | | | | | | |
| AUG18 | 5Y NOTE PUT | | | | | | | | | | | | | |
| 1057 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 360 | UNCH | 2B | 2 |
| 1060 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 190 | UNCH | 2B | 2 |
| 1062 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 12 | UNCH | 2B | 2 |
| 1065 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 99 | UNCH | 2B | 2 |
| 1067 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 806 | UNCH | 5 | 2 |
| 1070 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 326 | UNCH | 5 | 2 |
| 1072 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 306 | UNCH | 5 | 2 |
| 1075 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 16322 | UNCH | 5 | 2 |
| 1077 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 6282 | UNCH | 5 | 5 |
| 1080 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 319 | UNCH | 5 | 5 |
| 1082 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 863 | UNCH | 5 | 5A |
| 1085 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 1577 | UNCH | 5 | 5 |
| 1087 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 4703 | UNCH | 5 | 5 |
| 1090 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 723 | UNCH | 5 | 5 |
| 1092 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 702 | UNCH | 10 | 5A |
| 1095 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 1937 | UNCH | 15B | 5 |
| 1097 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 2988 | UNCH | 10 | 10 |
| 1100 | ---- | ---- | ---- | CAB | CAB | | ---- | .001 | ---- | ---- | 19150 | UNCH | 20 | 5 |
| 1102 | ---- | ---- | ---- | 5N | CAB | | ---- | .002 | ---- | ---- | 24461 | UNCH | 25B | 5 |
| 1105 | ---- | ---- | ---- | 5N | 5 | | UNCH | .013 | ---- | ---- | 21144 | UNCH | 30B | 5 |
| 1107 | ---- | ---- | ---- | 5N | 5 | | UNCH | .014 | ---- | ---- | 2787 | UNCH | 35B | 5 |
| 1110 | ---- | ---- | ---- | 5N | 5 | | UNCH | .015 | ---- | ---- | 2241 | UNCH | 45 | 5 |
| 1112 | ---- | ---- | ---- | 5N | 5 | | UNCH | .016 | ---- | ---- | 2327 | UNCH | 65B | 10 |
| 1115 | ---- | ---- | ---- | 5N | 5 | | UNCH | .017 | ---- | ---- | 10000 | UNCH | 90B | 10 |
| 1117 | ---- | ---- | ---- | 10N | 5 | - | 5 | .019 | ---- | ---- | 7647 | UNCH | 125B | 10 |
| 1120 | ---- | ---- | ---- | 10N | 10 | | UNCH | .036 | ---- | 51 | 8457 | + 49 | 170B | 10 |
| 1122 | ---- | ---- | ---- | 15N | 10 | - | 5 | .040 | ---- | 51 | 16861 | + 38 | 230B | 10 |
| 1125 | ---- | ---- | ---- | 20N | 10 | - | 10 | .046 | ---- | 1 | 32784 | + 1 | 305B | 15 |
| 1127 | ---- | ---- | ---- | 40N | 25 | - | 15 | .098 | ---- | 1373 | 19174 | - 786 | 390B | 25 |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1130 | ---- | ---- | ---- | 70N | 40 - | 30 | .153 | ---- | 3535 | 18774 + | 979 | 490B | 45 |
| 1132 | 75 | #75 | *75 | 75 | 75 - | 45 | .249 | ---- | 13814 | 21230 + | 4715 | 605B | 75 |
| 1135 | ---- | ---- | ---- | 195N | 130 - | 65 | .368 | ---- | 2627 | 11874 + | 860 | 1095B | 120A |
| 1137 | ---- | ---- | ---- | 290N | 205 - | 85 | .494 | ---- | 997 | 4402 + | 130 | 1230B | 165A |
| 1140 | ---- | ---- | ---- | 405N | 300 - | 105 | .614 | ---- | 941 | 4454 + | 21 | 1365B | 225A |
| 1142 | ---- | ---- | ---- | 530N | 415 - | 115 | .715 | ---- | 33 | 1536 - | 26 | 1515B | 295A |
| 1145 | ---- | ---- | ---- | 1030N | 545 - | 125 | .792 | ---- | 33 | 44 + | 25 | 2025B | 380A |
| 1147 | ---- | ---- | ---- | 1175N | 1045 - | 130 | .848 | ---- | ---- | 6 | UNCH | 2180B | 480A |
| 1150 | ---- | ---- | ---- | 1325N | 1190 - | 135 | .891 | ---- | ---- | 11 | UNCH | 2335B | 590A |
| 1152 | ---- | ---- | ---- | 1480N | 1340 - | 140 | .922 | ---- | 4 | 9 | UNCH | 2495B | 1070A |
| 1155 | ---- | ---- | ---- | 2000N | 1495 - | 145 | .939 | ---- | 2 | 4 + | 2 | 3010B | 1200A |
| 1157 | ---- | ---- | ---- | 2155N | 2010 - | 145 | .954 | ---- | 3 | 13 + | 3 | 3170B | 1340A |
| 1160 | ---- | ---- | ---- | 2315N | 2165 - | 150 | .969 | ---- | 1 | 10 + | 1 | 3320B | 1495A |
| 1162 | ---- | ---- | ---- | 2470N | 2325 - | 145 | .971 | ---- | ---- | 14 | UNCH | 3480B | 2010A |
| 1165 | ---- | ---- | ---- | 2630N | 2480 - | 150 | .984 | ---- | 12 | 29 + | 4 | 4000B | 2155A |
| 1167 | ---- | ---- | ---- | 3150N | 3000 - | 150 | .985 | ---- | 8 | 31 + | 5 | 4160B | 2305A |
| 1170 | ---- | ---- | ---- | 3310N | 3160 - | 150 | .986 | ---- | ---- | 90 | UNCH | 4320B | 2455A |
| 1172 | ---- | ---- | ---- | 3465N | 3320 - | 145 | .987 | ---- | ---- | 50 | UNCH | 4475B | 2610A |
| 1175 | ---- | ---- | ---- | 3625N | 3480 - | 145 | .987 | ---- | ---- | 41 | UNCH | 5000B | 3125A |
| 1177 | ---- | ---- | ---- | 4145N | 3635 - | 150 | .997 | ---- | 1 | 41 + | 1 | 5155B | 3280A |
| 1180 | ---- | ---- | ---- | 4305N | 4155 - | 150 | .998 | ---- | ---- | 35 | UNCH | 5315B | 3435A |
| 1182 | ---- | ---- | ---- | 4465N | 4315 - | 150 | .999 | ---- | ---- | 42 | UNCH | 5475B | 3590A |
| 1185 | ---- | ---- | ---- | 4625N | 4475 - | 150 | .999 | ---- | ---- | 67 | UNCH | 5635B | 4110A |
| 1187 | ---- | ---- | ---- | 5145N | 4635 - | 150 | .999 | ---- | ---- | 1 | UNCH | 6155B | 4265A |
| 1190 | ---- | ---- | ---- | 5305N | 5155 - | 150 | .999 | ---- | ---- | 2 | UNCH | 6310B | 4425A |
| 1195 | ---- | ---- | ---- | 5625N | 5475 - | 150 | .999 | ---- | ---- | 1 | UNCH | 6630B | 5100A |
| 1197 | ---- | ---- | ---- | 6145N | 5635 - | 150 | .999 | ---- | ---- | 3 | UNCH | 7150B | 5260A |
| 1200 | ---- | ---- | ---- | 6305N | 6155 - | 150 | 1.000 | ---- | ---- | 2 | UNCH | 7310B | 5415A |
| TOTAL | | | | | | | | | 23487 | 268364 + | 6022 | | |
| SEP18 | | | | | | | | | | | | | |
| 1045 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 271 | UNCH | 2B | 2 |
| 1047 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 741 | UNCH | 2B | 2 |
| 1055 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 642 | UNCH | 2B | ---- |
| 1057 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1722 | UNCH | 5 | 5 |
| 1060 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 10520 | UNCH | 5 | 5 |
| 1062 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 12 | 91842 - | 12 | 5B | 5 |
| 1065 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 24 | 82577 | UNCH | 5 | 2 |
| 1067 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 64790 | UNCH | 5 | 2 |
| 1070 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 29899 | UNCH | 5 | 5 |
| 1072 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 19984 | UNCH | 5 | 5 |
| 1075 | ---- | ---- | ---- | 5N | CAB | ---- | .001 | ---- | ---- | 716 | UNCH | 5 | 5 |
| 1077 | ---- | ---- | ---- | 5N | 5 | UNCH | .008 | ---- | ---- | 7908 | UNCH | 10 | 5 |
| 1080 | 7$ | CAB | CAB | CAB | 5 | UNCH | .008 | ---- | 1 | 13182 + | 1 | 10 | 5 |
| 1082 | ---- | ---- | ---- | 5N | 5 | UNCH | .009 | ---- | 3 | 4613 - | 3 | 10 | 5 |
| 1085 | ---- | ---- | ---- | 5N | 5 | UNCH | .009 | ---- | ---- | 3773 | UNCH | 10 | 5 |
| 1087 | ---- | ---- | ---- | 5N | 5 | UNCH | .009 | ---- | 6 | 5017 - | 6 | 10 | 5 |
| 1090 | ---- | ---- | ---- | 5N | 5 | UNCH | .010 | ---- | ---- | 7590 | UNCH | 15 | 10A |
| 1092 | ---- | ---- | ---- | 5N | 5 | UNCH | .010 | ---- | ---- | 288 | UNCH | 20B | 10 |
| 1095 | ---- | ---- | ---- | 5N | 5 | UNCH | .011 | ---- | ---- | 9180 | UNCH | 15 | 10 |
| 1097 | ---- | ---- | ---- | 10N | 5 - | 5 | .011 | ---- | ---- | 2374 | UNCH | 25B | 10A |
| 1100 | ---- | ---- | ---- | 10N | 10 | UNCH | .021 | ---- | 4231 | 4544 + | 1912 | 30B | 10 |
| 1102 | ---- | ---- | ---- | 10N | 10 | UNCH | .022 | ---- | 260 | 27716 + | 260 | 35B | 10 |
| 1105 | ---- | ---- | ---- | 10N | 10 | UNCH | .023 | ---- | 609 | 4723 + | 400 | 45B | 10 |
| 1107 | ---- | ---- | ---- | 10N | 10 | UNCH | .025 | ---- | ---- | 1716 | UNCH | 55 | 15 |
| 1110 | ---- | ---- | ---- | 15N | 10 - | 5 | .026 | ---- | ---- | 3753 | UNCH | 75B | 15 |
| 1112 | ---- | ---- | ---- | 15N | 15 | UNCH | .038 | ---- | 263 | 4289 | UNCH | 100B | 15 |
| 1115 | ---- | ---- | ---- | 20N | 15 - | 5 | .041 | ---- | 142 | 24529 + | 142 | 130B | 25 |
| 1117 | ---- | ---- | ---- | 25N | 20 - | 5 | .055 | ---- | 130 | 13670 | UNCH | 175 | 25 |
| 1120 | ---- | ---- | ---- | 35N | 25 - | 10 | .070 | ---- | ---- | 13599 | UNCH | 225B | 30A |
| 1122 | ---- | ---- | ---- | 45N | 35 - | 10 | .096 | ---- | 12305 | 37715 + | 7631 | 285B | 35A |
| 1125 | ---- | ---- | ---- | 65N | 50 - | 15 | .132 | ---- | 3207 | 44911 + | 956 | 360B | 50 |
| 1127 | ---- | ---- | ---- | 100N | 70 - | 30 | .178 | ---- | 140 | 30763 - | 4 | 445B | 75A |
| 1130 | ---- | ---- | ---- | 145N | 105 - | 40 | .244 | ---- | 261 | 17254 - | 23 | 545B | 100A |
| 1132 | ---- | ---- | ---- | 205N | 155 - | 50 | .323 | ---- | 4302 | 45999 + | 1314 | 1015B | 135A |
| 1135 | ---- | ---- | ---- | 280N | 215 - | 65 | .407 | ---- | 3107 | 25039 + | 498 | 1135B | 170A |
| 1137 | ---- | ---- | ---- | 370N | 290 - | 80 | .495 | ---- | 1934 | 15288 + | 303 | 1265B | 225A |
| 1140 | ---- | ---- | ---- | 475N | 380 - | 95 | .581 | ---- | 152 | 4992 - | 32 | 1400B | 285A |
| 1142 | ---- | ---- | ---- | 595N | 490 - | 105 | .658 | ---- | 1 | 124 | UNCH | 1535B | 355A |
| 1145 | ---- | ---- | ---- | 1080N | 605 - | 115 | .728 | ---- | ---- | 226 | UNCH | 2040B | 440A |
| 1147 | ---- | ---- | ---- | 1220N | 1095 - | 125 | .783 | ---- | ---- | 11 | UNCH | 2195B | 540A |
| 1150 | ---- | ---- | ---- | 1360N | 1230 - | 130 | .831 | ---- | ---- | 31 | UNCH | 2345B | 1005A |
| 1152 | ---- | ---- | ---- | 1500N | 1375 - | 125 | .864 | ---- | ---- | 37 | UNCH | 2500B | 1120A |
| 1155 | ---- | ---- | ---- | 2010N | 1515 - | 135 | .895 | ---- | 1 | 21 - | 1 | 3020B | 1245A |
| 1157 | ---- | ---- | ---- | 2165N | 2025 - | 140 | .917 | ---- | 3 | 11 - | 1 | 3175B | 1380A |
| 1160 | ---- | ---- | ---- | 2320N | 2180 - | 140 | .930 | ---- | 1 | 15 - | 1 | 3330B | 1515A |
| 1162 | ---- | ---- | ---- | 2480N | 2335 - | 145 | .943 | ---- | ---- | 77 | UNCH | 3490B | 2030A |
| 1165 | ---- | ---- | ---- | 2635N | 2490 - | 145 | .954 | ---- | 4 | 6 - | 3 | 4005B | 2170A |
| 1167 | ---- | ---- | ---- | 3155N | 3005 - | 150 | .965 | ---- | 2 | 73 - | 1 | 4165B | 2330A |
| 1170 | ---- | ---- | ---- | 3310N | 3165 - | 145 | .966 | ---- | ---- | 37 | UNCH | 4320B | 2475A |
| 1172 | ---- | ---- | ---- | 3470N | 3320 - | 150 | .976 | ---- | 2 | 73 - | 2 | 4480B | 2625A |
| 1175 | ---- | ---- | ---- | 3630N | 3480 - | 150 | .978 | ---- | 6 | 24 - | 1 | 5000B | 3140A |
| 1177 | ---- | ---- | ---- | 4145N | 4000 - | 145 | .979 | ---- | 9 | 43 + | 1 | 5160B | 3290A |
| 1180 | ---- | ---- | ---- | 4305N | 4160 - | 145 | .979 | ---- | 5 | 23 - | 5 | 5315B | 3445A |
| 1182 | ---- | ---- | ---- | 4465N | 4315 - | 150 | .988 | ---- | ---- | 9 | UNCH | 5480B | 3600A |
| 1185 | ---- | ---- | ---- | 4625N | 4475 - | 150 | .989 | ---- | ---- | 23 | UNCH | 5635B | 4115A |
| 1187 | ---- | ---- | ---- | 5145N | 4635 - | 150 | .989 | ---- | ---- | 39 | UNCH | 6155B | 4270A |
| 1190 | ---- | ---- | ---- | 5305N | 5155 - | 150 | .990 | ---- | ---- | 43 | UNCH | 6315B | 4430A |
| 1192 | ---- | ---- | ---- | 5465N | 5315 - | 150 | .990 | ---- | ---- | 27 | UNCH | 6475B | 4585A |
| 1195 | ---- | ---- | ---- | 5625N | 5475 - | 150 | .990 | ---- | ---- | 23 | UNCH | 6630B | 5105A |
| 1197 | ---- | ---- | ---- | 6145N | 5635 - | 150 | .991 | ---- | ---- | 26 | UNCH | 7150B | 5260A |
| 1200 | ---- | ---- | ---- | 6305N | 6155 - | 150 | .998 | ---- | ---- | 22 | UNCH | 7310B | 5420A |
| 1202 | ---- | ---- | ---- | 6465N | 6315 - | 150 | .998 | ---- | ---- | 1 | UNCH | 7470B | 5580A |
| 1205 | ---- | ---- | ---- | 6625N | 6475 - | 150 | .999 | ---- | ---- | 2 | UNCH | 7630B | 6095A |
| TOTAL | | | | | | | | | 31123 | 679176 + | 13323 | | |

## 2 YEAR NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2Y NOTE CALL | | | | | | | | | | | | | |
| AUG18 | 2Y NOTE CALL | | | | | | | | | | | | |
| 1053 | ---- | ---- | ---- | 335N | 385 + | 50 | .994 | ---- | ---- | 151 | UNCH | ---- | ---- |
| 1056 | ---- | ---- | ---- | 190N | 235 + | 45 | .892 | ---- | ---- | 1 | UNCH | 225B | 110A |
| 1057 | ---- | ---- | ---- | 130N | 170 + | 40 | .778 | ---- | ---- | 2300 | UNCH | 185B | 75A |
| 1058 | ---- | ---- | ---- | 85N | 115 + | 30 | .632 | ---- | ---- | 3035 | UNCH | 140B | 50A |
| 1060 | ---- | ---- | ---- | 55N | 75 + | 20 | .471 | ---- | 1464 | 9525 + | 73 | 140B | 40 |
| 1061 | ---- | ---- | ---- | 35N | 50 + | 15 | .334 | ---- | 304 | 44086 | UNCH | 145B | 25 |
| 1062 | ---- | ---- | ---- | 25N | 30 + | 5 | .221 | ---- | 740 | 16102 - | 300 | 150B | 15 |
| 1063 | ---- | ---- | ---- | 15N | 20 + | 5 | .150 | ---- | 1863 | 28101 | UNCH | 125B | 10 |
| 1065 | ---- | ---- | ---- | 10N | 15 + | 5 | .108 | ---- | 410 | 823 + | 360 | 85B | 5 |
| 1066 | ---- | ---- | ---- | 5N | 10 + | 5 | .073 | ---- | ---- | 250 | UNCH | 65B | 15A |
| 1067 | ---- | ---- | ---- | CAB | 5 + | 5 | .040 | ---- | ---- | 300 | UNCH | 45B | 5 |
| 1070 | ---- | ---- | ---- | CAB | CAB | ---- | .003 | ---- | ---- | 10 | UNCH | 25B | 5 |
| 1075 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 250 | UNCH | 5B | 2 |
| 1077 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 125 | UNCH | 5 | 5 |
| 1078 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 231 | UNCH | 5 | 5 |
| TOTAL | | | | | | | | | 4781 | 105290 + | 133 | | |
| SEP18 | 2Y NOTE CALL | | | | | | | | | | | | |
| 1055 | ---- | ---- | ---- | 275N | 320 + | 45 | .883 | ---- | ---- | 1 | UNCH | 325B | 175A |
| 1057 | ---- | ---- | ---- | 160N | 195 + | 35 | .707 | ---- | ---- | 1374 | UNCH | 400 | 90A |
| 1058 | ---- | ---- | ---- | 115N | 145 + | 30 | .595 | ---- | ---- | 3737 | UNCH | 160B | 65A |
| 1060 | ---- | ---- | ---- | 80N | 105 + | 25 | .479 | ---- | 300 | 2397 + | 100 | 175 | 45A |
| 1061 | ---- | ---- | ---- | 60N | 75 + | 15 | .372 | ---- | 600 | 2667 + | 600 | 175B | 40 |
| 1062 | ---- | ---- | ---- | 40N | 55 + | 15 | .284 | ---- | 1 | 2283 | UNCH | 170B | 20 |
| 1063 | ---- | ---- | ---- | 30N | 40 + | 10 | .214 | ---- | ---- | 3503 | UNCH | 135B | 15 |
| 1065 | ---- | ---- | ---- | 20N | 30 + | 10 | .163 | ---- | ---- | 1554 | UNCH | 115B | 20 |
| 1066 | ---- | ---- | ---- | 15N | 20 + | 5 | .115 | ---- | ---- | 369 | UNCH | 80B | 10 |
| 1067 | ---- | ---- | ---- | 10N | 15 + | 5 | .087 | ---- | ---- | 126 | UNCH | 65B | 10A |
| 1068 | ---- | ---- | ---- | 5N | 10 + | 5 | .060 | ---- | ---- | 5005 | UNCH | 50B | 15A |
| 1071 | ---- | ---- | ---- | 5N | 5 | UNCH | .031 | ---- | ---- | 5000 | UNCH | 30B | 10 |
| 1072 | ---- | ---- | ---- | 5N | 5 | UNCH | .028 | ---- | ---- | 2514 | UNCH | 25B | 5 |
| 1073 | ---- | ---- | ---- | CAB | CAB | ---- | .003 | ---- | 55 | 352 + | 55 | 15B | 5 |
| 1077 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1524 | UNCH | 5B | 10A |
| 1078 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 719 | UNCH | 5B | ---- |
| 1080 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1082 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2302 | UNCH | 5 | 5 |
| 1088 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1090 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 890 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 956 | 36319 + | 755 | | |

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**FINAL**



## 2 YEAR NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2Y NOTE PUT | | | | | | | | | | | |
| AUG18 | 2Y NOTE PUT | | | | | | | | | | |
| 1047 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 242 UNCH | 5 | 5 |
| 1050 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 110 UNCH | 5 | 5 |
| 1051 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 1130 UNCH | 5 | 2 |
| 1053 | ---- | ---- | ---- | CAB | CAB ---- | .005 | ---- | 1200 | 13441 + 1193 | 40 | 2 |
| 1055 | ---- | ---- | ---- | 5N | 5 UNCH | .056 | ---- | 34576 | 14513 - 22922 | 50B | 5 |
| 1056 | ---- | ---- | ---- | 15N | 10 - 5 | .107 | ---- | ---- | 6744 UNCH | 95B | 10A |
| 1057 | ---- | ---- | ---- | 35N | 25 - 10 | .221 | ---- | ---- | 7517 UNCH | 130B | 25A |
| 1058 | ---- | ---- | ---- | 70N | 50 - 20 | .367 | ---- | 6 | 8730 - 6 | 145B | 30A |
| 1060 | ---- | ---- | ---- | 120N | 90 - 30 | .528 | ---- | ---- | 4200 UNCH | 170B | 55A |
| 1061 | ---- | ---- | ---- | 180N | 145 - 35 | .665 | ---- | ---- | 15 UNCH | 220B | 70A |
| TOTAL | | | | | | | | 35782 | 56642 - 21735 | | |
| SEP18 | 2Y NOTE PUT | | | | | | | | | | |
| 1030 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 2 UNCH | ---- | ---- |
| 1040 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 57 UNCH | 2 | 2 |
| 1041 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 3 UNCH | ---- | ---- |
| 1042 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 40 UNCH | ---- | ---- |
| 1043 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 450 UNCH | ---- | ---- |
| 1045 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 2708 UNCH | 2B | ---- |
| 1046 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 3026 UNCH | 5 | 5 |
| 1047 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | 11 | 1615 + 11 | 10 | 2 |
| 1048 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 1611 UNCH | 10B | 5 |
| 1050 | ---- | ---- | ---- | CAB | CAB ---- | .001 | ---- | ---- | 1224 UNCH | 10 | 5 |
| 1051 | ---- | ---- | ---- | CAB | CAB ---- | .004 | ---- | ---- | 41 UNCH | 20 | 10A |
| 1052 | ---- | ---- | ---- | 5N | 5 UNCH | .043 | ---- | ---- | 3246 UNCH | 35 | 5 |
| 1053 | ---- | ---- | ---- | 10N | 10 UNCH | .078 | ---- | ---- | 4070 UNCH | 50 | 10 |
| 1055 | ---- | ---- | ---- | 20N | 15 - 5 | .116 | ---- | ---- | 8803 UNCH | 80 | 15 |
| 1056 | ---- | ---- | ---- | 35N | 30 - 5 | .197 | ---- | ---- | 8108 UNCH | 115 | 25A |
| 1057 | ---- | ---- | ---- | 65N | 50 - 15 | .292 | ---- | ---- | 8830 UNCH | 165 | 35A |
| 1058 | ---- | ---- | ---- | 100N | 80 - 20 | .404 | ---- | ---- | 7096 UNCH | 200B | 50A |
| 1060 | ---- | ---- | ---- | 145N | 120 - 25 | .520 | ---- | ---- | 3090 UNCH | 205 | 65 |
| 1061 | ---- | ---- | ---- | 205N | 170 - 35 | .627 | ---- | ---- | 16 UNCH | 250B | 90A |
| 1062 | ---- | ---- | ---- | 265N | 230 - 35 | .715 | ---- | ---- | 1 UNCH | 315B | 120A |
| 1068 | ---- | ---- | ---- | 630N | 585 - 45 | .939 | ---- | ---- | 1 UNCH | 1105 | 605A |
| 1072 | ---- | ---- | ---- | 1225N | 1180 - 45 | .971 | ---- | ---- | 1 UNCH | 1345 | 1200A |
| TOTAL | | | | | | | | 11 | 54039 + 11 | | |

## 30 YEAR BOND CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y BOND CALL | | | | | | | | | | | |
| AUG18 | 30Y BOND CALL | | | | | | | | | | |
| 1280 | ---- | ---- | ---- | 1616N | 1718 + 102 | 1.000 | ---- | ---- | 1 UNCH | 1716B | 1132A |
| 1290 | ---- | ---- | ---- | 1516N | 1618 + 102 | 1.000 | ---- | ---- | 1 UNCH | 1615B | 1033A |
| 1300 | ---- | ---- | ---- | 1416N | 1518 + 102 | .999 | ---- | ---- | 33 UNCH | 1526B | 935A |
| 1310 | ---- | ---- | ---- | 1316N | 1418 + 102 | .999 | ---- | ---- | 48 UNCH | 1426B | 837A |
| 1320 | ---- | ---- | ---- | 1216N | 1318 + 102 | .999 | ---- | ---- | 118 UNCH | 1327B | 740A |
| 1330 | ---- | ---- | ---- | 1116N | 1218 + 102 | .999 | ---- | ---- | 29 UNCH | 1227B | 644A |
| 1340 | ---- | ---- | ---- | 1016N | 1118 + 102 | .999 | ---- | ---- | 102 UNCH | 1128B | 550A |
| 1345 | ---- | ---- | ---- | 948N | 1050 + 102 | .991 | ---- | ---- | 2 UNCH | 1051B | 932A |
| 1350 | ---- | ---- | ---- | 917N | 1018 + 101 | .991 | ---- | ---- | 26 UNCH | 1029B | 458A |
| 1355 | ---- | ---- | ---- | 849N | 951 + 102 | .990 | ---- | 1 | 10 + 1 | 952B | 832A |
| 1360 | ---- | ---- | ---- | 817N | 919 + 102 | .990 | ---- | 3 | 34 + 2 | 941B | 405A |
| 1365 | ---- | ---- | ---- | 749N | 851 + 102 | .989 | ---- | 7 | 9 + 7 | 852B | 732A |
| 1370 | ---- | ---- | ---- | 717N | 819 + 102 | .981 | ---- | 1 | 31 UNCH | 843B | 321A |
| 1375 | ---- | ---- | ---- | 650N | 752 + NEW | .980 | ---- | 6 | 4 + 4 | 752B | 633A |
| 1380 | ---- | ---- | ---- | 618N | 720 + 102 | .979 | ---- | 4 | 39 - 2 | 745B | 241A |
| 1385 | ---- | ---- | ---- | 551N | 652 + NEW | .978 | ---- | 2 | 2 + 2 | 653B | 534A |
| 1390 | ---- | ---- | ---- | 519N | 621 + 102 | .968 | ---- | 2 | 75 UNCH | 649B | 203A |
| 1400 | ---- | ---- | ---- | 422N | 522 + 100 | .956 | ---- | 4 | 3456 + 3 | 555B | 134A |
| 1405 | ---- | ---- | ---- | 356N | 455 + 63 | .944 | ---- | 1 | 26 UNCH | 456 | 341A |
| 1410 | ---- | ---- | ---- | 327N | 424 + 61 | .932 | ---- | 36 | 2357 + 15 | 463B | 107A |
| 1415 | ---- | ---- | ---- | 263N | 358 + 59 | .911 | ---- | 14 | 11 + 9 | 359B | 249A |
| 1420 | ---- | ---- | ---- | 236N | 329 + 56 | .882 | ---- | 66 | 3199 - 9 | 412B | 51 |
| 1425 | ---- | ---- | ---- | 211N | 301 + 54 | .846 | ---- | 102 | 102 + 101 | 302B | 200A |
| 1430 | ---- | ---- | ---- | 152N | 239 + 51 | .798 | ---- | 149 | 6202 - 138 | 333B | 35A |
| 1435 | ---- | ---- | ---- | 132N | 215 + 47 | .742 | ---- | ---- | 4 UNCH | 215B | 124A |
| 1440 | ---- | ---- | ---- | 114N | 156 + 42 | .682 | ---- | 2558 | 11631 - 144 | 254B | 24A |
| 1445 | ---- | ---- | ---- | 62N | 135 + 37 | .615 | ---- | 577 | 7177 + 250 | 136B | 57A |
| 1450 | ---- | ---- | ---- | 49N | 117 + 32 | .544 | ---- | 3997 | 14470 - 407 | 222B | 15 |
| 1455 | ---- | ---- | ---- | 38N | 102 + 28 | .472 | ---- | 172 | 1760 + 139 | 102B | 35A |
| 1460 | ---- | ---- | ---- | 29N | 52 + 23 | .402 | ---- | 5016 | 17447 + 807 | 208B | 11 |
| 1465 | ---- | ---- | ---- | 22N | 41 + 19 | .337 | ---- | 1436 | 1471 + 1104 | 42 | 21 |
| 1470 | ---- | ---- | ---- | 17N | 32 + 15 | .277 | ---- | 1846 | 14031 - 297 | 143B | 7 |
| 1475 | ---- | ---- | ---- | 13N | 25 + 12 | .226 | ---- | 1263 | 1762 + 520 | 25 | 13 |
| 1480 | ---- | ---- | ---- | 10N | 19 + 9 | .180 | ---- | 4276 | 11329 + 3456 | 119B | 5 |
| 1485 | ---- | ---- | ---- | 8N | 15 + 7 | .146 | ---- | 526 | 450 + 325 | 15 | 8 |
| 1490 | ---- | ---- | ---- | 6N | 12 + 6 | .118 | ---- | 308 | 11381 + 37 | 100B | 4 |
| 1495 | ---- | ---- | ---- | 5N | 9 + 4 | .092 | ---- | 105 | 968 + 103 | 9 | 5 |
| 1500 | ---- | ---- | ---- | 4N | 7 + 3 | .072 | ---- | 224 | 6551 + 33 | 48B | 3 |
| 1505 | ---- | ---- | ---- | 3N | 6 + 3 | .061 | ---- | 216 | 239 + 210 | 5B | 4 |
| 1510 | ---- | ---- | ---- | 3N | 5 + 2 | .050 | ---- | 467 | 3905 + 123 | 37B | 2 |
| 1515 | ---- | ---- | ---- | 2N | 4 + NEW | .041 | ---- | 25 | 25 + 25 | 4 | 4 |
| 1520 | ---- | ---- | ---- | 2N | 3 + 1 | .031 | ---- | 811 | 4089 + 73 | 26B | 2 |
| 1525 | ---- | ---- | ---- | 2N | 3 + 1 | .029 | ---- | 93 | 223 UNCH | 2 | 2 |
| 1530 | ---- | ---- | ---- | 2N | 2 UNCH | .020 | ---- | 68 | 5631 + 44 | 19B | 2 |
| 1535 | ---- | ---- | ---- | 1N | 2 + 1 | .019 | ---- | 38 | 561 UNCH | 2 | 2 |
| 1540 | ---- | ---- | ---- | 1N | 2 + 1 | .019 | ---- | ---- | 1153 UNCH | 12B | 1 |
| 1550 | ---- | ---- | ---- | 1N | 1 UNCH | .010 | ---- | 306 | 1820 + 81 | 9B | 1 |
| 1555 | ---- | ---- | ---- | 1N | 1 UNCH | .009 | ---- | 283 | 283 + 283 | 1 | 1 |
| 1560 | ---- | ---- | ---- | 1N | 1 UNCH | .009 | ---- | 33 | 766 + 33 | 7 | 1 |
| 1570 | ---- | ---- | ---- | 1N | 1 UNCH | .008 | ---- | ---- | 865 UNCH | 6B | 1 |
| 1580 | ---- | ---- | ---- | CAB | 1 + 1 | .008 | ---- | ---- | 922 UNCH | 5B | 1 |
| 1585 | ---- | ---- | ---- | CAB | 1 + NEW | .008 | ---- | 502 | 502 + 502 | ---- | ---- |
| 1590 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 415 UNCH | 4 | 1 |
| 1600 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 736 UNCH | 4 | 1 |
| 1610 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 819 UNCH | 3B | 1 |
| 1620 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 1257 UNCH | 2 | 1 |
| 1630 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 674 UNCH | 2 | 1 |
| 1640 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 411 UNCH | 2 | 1 |
| 1650 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 438 UNCH | 1 | 1 |
| 1660 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 506 UNCH | 1 | 1 |
| 1670 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 8 UNCH | 1 | 1 |
| 1680 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 27 UNCH | 1 | 1 |
| 1690 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 5 UNCH | 1 | 1 |
| 1710 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 2 UNCH | 1B | ---- |
| 1720 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 9 UNCH | 1B | ---- |
| 1730 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 376 UNCH | 1B | ---- |
| 1750 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 542 UNCH | 1B | 1 |
| TOTAL | | | | | | | | 25544 | 143558 + 7295 | | |
| SEP18 | 30Y BOND CALL | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | 2416N | 2518 + 102 | .999 | ---- | ---- | 2 UNCH | 2516B | 1930A |
| 1260 | ---- | ---- | ---- | 1816N | 1918 + 102 | .994 | ---- | ---- | 3 UNCH | 1916B | 1332A |
| 1270 | ---- | ---- | ---- | 1716N | 1818 + 102 | .994 | ---- | ---- | 50 UNCH | 1815B | 1233A |
| 1280 | ---- | ---- | ---- | 1616N | 1718 + 102 | .993 | ---- | ---- | 78 UNCH | 1726B | 1134A |
| 1290 | ---- | ---- | ---- | 1516N | 1618 + 102 | .993 | ---- | ---- | 99 UNCH | 1626B | 1036A |
| 1300 | ---- | ---- | ---- | 1417N | 1519 + 102 | .988 | ---- | ---- | 4228 UNCH | 1526B | 938A |
| 1310 | ---- | ---- | ---- | 1317N | 1419 + 102 | .987 | ---- | ---- | 9 UNCH | 1427B | 842A |
| 1320 | ---- | ---- | ---- | 1217N | 1319 + 102 | .986 | ---- | ---- | 6 UNCH | 1328B | 746A |
| 1330 | ---- | ---- | ---- | 1118N | 1220 + 102 | .980 | ---- | ---- | 5 UNCH | 1228B | 653A |
| 1340 | ---- | ---- | ---- | 1018N | 1120 + 102 | .979 | ---- | ---- | 23 UNCH | 1129B | 561A |
| 1350 | ---- | ---- | ---- | 919N | 1021 + 102 | .972 | ---- | 32 | 32 + 26 | 1031B | 508A |
| 1360 | ---- | ---- | ---- | 820N | 922 + 102 | .965 | ---- | 20 | 367 - 16 | 945B | 422A |
| 1370 | ---- | ---- | ---- | 722N | 823 + 101 | .956 | ---- | ---- | 256 UNCH | 848B | 340A |
| 1380 | ---- | ---- | ---- | 624N | 725 + 101 | .942 | ---- | 3 | 199 - 1 | 753B | 262A |
| 1390 | ---- | ---- | ---- | 529N | 627 + 62 | .925 | ---- | 2 | 257 + 1 | 659B | 224A |
| 1400 | ---- | ---- | ---- | 435N | 532 + 61 | .893 | ---- | 37 | 4512 UNCH | 603B | 156A |
| 1410 | ---- | ---- | ---- | 346N | 439 + 56 | .849 | ---- | 14 | 5785 + 14 | 515B | 129A |
| 1420 | ---- | ---- | ---- | 262N | 349 + 51 | .792 | ---- | 155 | 5648 - 55 | 436B | 106A |
| 1430 | ---- | ---- | ---- | 219N | 301 + 46 | .718 | ---- | 582 | 10574 - 239 | 354B | 52A |
| 1440 | ---- | ---- | ---- | 146N | 222 + 40 | .629 | ---- | 700 | 6723 - 95 | 313B | 39A |
| 1450 | ---- | ---- | ---- | 115N | 150 + 35 | .533 | ---- | 898 | 11750 + 405 | 240B | 27A |
| 1460 | ---- | ---- | ---- | 56N | 120 + 28 | .435 | ---- | 731 | 13752 - 109 | 229B | 19 |
| 1470 | ---- | ---- | ---- | 39N | 60 + 21 | .343 | ---- | 2329 | 10637 + 1323 | 200B | 14 |

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1480 | ---- | ---- | ---- | 27N | | 42 + | 15 | .261 | ---- | 1805 | 10331 - | 630 | 139B | 11 |
| 1490 | ---- | ---- | ---- | 18N | | 29 + | 11 | .194 | ---- | 934 | 6397 + | 98 | 118B | 8 |
| 1500 | ---- | ---- | ---- | 13N | | 20 + | 7 | .141 | ---- | 1193 | 13110 + | 455 | 103 | 6 |
| 1510 | ---- | ---- | ---- | 9N | | 14 + | 5 | .102 | ---- | 1206 | 6039 - | 540 | 50B | 6 |
| 1520 | ---- | ---- | ---- | 7N | | 10 + | 3 | .075 | ---- | 71 | 1809 + | 42 | 39B | 5 |
| 1530 | ---- | ---- | ---- | 5N | | 7 + | 2 | .054 | ---- | 23 | 5151 + | 12 | 30B | 3 |
| 1540 | ---- | ---- | ---- | 4N | | 6 + | 2 | .044 | ---- | 96 | 743 + | 1 | 23B | 3 |
| 1550 | ---- | ---- | ---- | 3N | | 5 + | 2 | .036 | ---- | 1391 | 1652 + | 1151 | 16B | 2 |
| 1560 | ---- | ---- | ---- | 3N | | 4 + | 1 | .028 | ---- | 5 | 640 | UNCH | 13B | 2 |
| 1570 | ---- | ---- | ---- | 2N | | 3 + | 1 | .021 | ---- | 180 | 1687 + | 1 | 11B | 2 |
| 1580 | ---- | ---- | ---- | 2N | | 3 + | 1 | .020 | ---- | 100 | 1359 + | 33 | 9B | 2 |
| 1590 | ---- | ---- | ---- | 2N | | 2 | UNCH | .014 | ---- | 52 | 5541 - | 42 | 8 | 1 |
| 1600 | ---- | ---- | ---- | 2N | | 2 | UNCH | .013 | ---- | 171 | 2176 + | 170 | 6B | 1 |
| 1610 | ---- | ---- | ---- | 2N | | 2 | UNCH | .012 | ---- | ---- | 1734 | UNCH | 6 | 1 |
| 1620 | ---- | ---- | ---- | 1N | | 2 + | 1 | .012 | ---- | ---- | 944 | UNCH | 5B | 1 |
| 1630 | ---- | ---- | ---- | 1N | | 1 | UNCH | .006 | ---- | ---- | 990 | UNCH | 4B | 1 |
| 1640 | ---- | ---- | ---- | 1N | | 1 | UNCH | .006 | ---- | ---- | 3473 | UNCH | 4 | 1 |
| 1650 | ---- | ---- | ---- | 1N | | 1 | UNCH | .006 | ---- | ---- | 1061 | UNCH | 3B | 1 |
| 1660 | ---- | ---- | ---- | 1N | | 1 | UNCH | .005 | ---- | ---- | 891 | UNCH | 3B | 1 |
| 1670 | ---- | ---- | ---- | 1N | | 1 | UNCH | .005 | ---- | ---- | 1614 | UNCH | 2B | 1 |
| 1680 | ---- | ---- | ---- | CAB | | 1 + | 1 | .005 | ---- | ---- | 1380 | UNCH | 2B | 1 |
| 1690 | ---- | ---- | ---- | CAB | | 1 + | 1 | .005 | ---- | 14 | 1164 + | 14 | 2B | 1 |
| 1700 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 3264 | UNCH | 2B | 1 |
| 1710 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 2508 | UNCH | 2B | 1 |
| 1720 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 1851 | UNCH | 2B | 1 |
| 1730 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 774 | UNCH | 2B | 1 |
| 1740 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 16221 | UNCH | 1 | 1 |
| 1750 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 23085 | UNCH | 1 | 1 |
| 1760 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 5183 | UNCH | 1B | 1 |
| 1770 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 102 | UNCH | 1B | ---- |
| 1780 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 200 | UNCH | 1B | ---- |
| 1790 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 400 | UNCH | 1B | ---- |
| 1800 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 5468 | UNCH | 1B | ---- |
| 1810 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 1332 | UNCH | 1B | 1 |
| 1850 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1860 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 2036 | UNCH | ---- | ---- |
| 1900 | ---- | ---- | ---- | CAB | CAB | | ---- | ---- | ---- | ---- | 9 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 12744 | 207364 + | 2019 | | |

30 YEAR BOND PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y BOND PUT | | | | | | | | | | | | | |
| AUG18 | 30Y BOND PUT | | | | | | | | | | | | |
| 1170 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 3558 | UNCH | ---- | 1A |
| 1190 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 1 | 1A |
| 1200 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 541 | UNCH | 1 | 1A |
| 1210 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 270 | UNCH | ---- | 1A |
| 1220 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 395 | UNCH | ---- | 2A |
| 1230 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 355 | UNCH | 2B | 1 |
| 1240 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 113 | UNCH | 2B | 1 |
| 1250 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 191 | UNCH | 3B | 1 |
| 1260 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 336 | UNCH | 3B | 1 |
| 1270 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 374 | UNCH | 4B | 1 |
| 1280 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1507 | UNCH | 5B | 1 |
| 1290 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 6258 | UNCH | 6B | 1 |
| 1300 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 26658 | UNCH | 8B | 1 |
| 1310 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 2587 | UNCH | 10B | 1 |
| 1320 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 3733 | UNCH | 13 | 1 |
| 1325 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 30 | 30 + | 30 | ---- | ---- |
| 1330 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 45 | 2650 + | 8 | 17 | 1 |
| 1340 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | 1 | 1898 - | 1 | 22 | 1 |
| 1350 | ---- | ---- | ---- | 1N | 1 | UNCH | .008 | ---- | 85 | 4586 + | 58 | 32 | 1 |
| 1360 | ---- | ---- | ---- | 1N | 1 | UNCH | .009 | ---- | 1097 | 3177 + | 517 | 42B | 1 |
| 1365 | ---- | ---- | ---- | 1N | 1 | UNCH | .010 | ---- | 360 | 360 + | 360 | 1 | 1 |
| 1370 | ---- | ---- | ---- | 1N | 2 + | 1370 | .018 | ---- | 65 | 3622 + | 10 | 60 | 2 |
| 1375 | ---- | ---- | ---- | 2N | 2 | UNCH | .019 | ---- | ---- | 51 | UNCH | 2 | 2 |
| 1380 | ---- | ---- | ---- | 2N | 2 | UNCH | .020 | ---- | 549 | 6136 - | 56 | 115B | 2 |
| 1385 | ---- | ---- | ---- | 3N | 2 - | 1385 | .021 | ---- | ---- | 9 | UNCH | 3 | 2A |
| 1390 | ---- | ---- | ---- | 3N | 3 | UNCH | .031 | ---- | 409 | 7836 - | 127 | 141B | 2 |
| 1395 | ---- | ---- | ---- | 4N | 3 - | 1395 | .033 | ---- | 18 | 87 + | 1 | 5 | 3 |
| 1400 | ---- | ---- | ---- | 6N | 4 - | 1400 | .043 | ---- | 1101 | 17790 - | 156 | 207B | 3 |
| 1405 | ---- | ---- | ---- | 8N | 5 - | 1405 | .055 | ---- | 72 | 1028 + | 1 | 10 | 5 |
| 1410 | ---- | ---- | ---- | 11N | 6 - | 1410 | .067 | ---- | 1535 | 7453 + | 20 | 244B | 6 |
| 1415 | ---- | ---- | ---- | 15N | 8 - | 1415 | .088 | ---- | 1917 | 2988 + | 373 | 19B | 8 |
| 1420 | ---- | ---- | ---- | 20N | 11 - | 1420 | .117 | ---- | 3648 | 10478 + | 1085 | 323B | 11 |
| 1425 | ---- | ---- | ---- | 27N | 15 - | 1425 | .153 | ---- | 668 | 2503 + | 268 | 34B | 15 |
| 1430 | ---- | ---- | ---- | 36N | 21 - | 1430 | .201 | ---- | 1102 | 8221 + | 83 | 406B | 20 |
| 1435 | ---- | ---- | ---- | 48N | 29 - | 1435 | .257 | ---- | 2934 | 2193 + | 1736 | 55 | 27 |
| 1440 | ---- | ---- | ---- | 62N | 38 - | 1440 | .317 | ---- | 1598 | 7252 + | 59 | 459B | 37 |
| 1445 | ---- | ---- | ---- | 114N | 49 - | 1445 | .384 | ---- | 588 | 1596 + | 101 | 126 | 49A |
| 1450 | ---- | ---- | ---- | 133N | 63 - | 1450 | .455 | ---- | 2146 | 3539 + | 1070 | 550B | 62 |
| 1455 | ---- | ---- | ---- | 154N | 116 - | 1455 | .527 | ---- | 32 | 30 + | 27 | 203B | 115A |
| 1460 | ---- | ---- | ---- | 213N | 134 - | 1460 | .597 | ---- | 16 | 158 + | 2 | 644B | 134A |
| 1465 | ---- | ---- | ---- | 238N | 155 + | NEW | .662 | ---- | 2 | 2 + | 2 | 253B | 155A |
| 1470 | ---- | ---- | ---- | 301N | 214 - | 1470 | .722 | ---- | 1 | 269 | UNCH | 741B | 214A |
| 1475 | ---- | ---- | ---- | 329N | 239 + | NEW | .773 | ---- | 1 | 1 + | 1 | 345B | 238A |
| 1480 | ---- | ---- | ---- | 358N | 301 - | 1480 | .819 | ---- | 2 | 15 + | 1 | 838B | 301A |
| 1485 | ---- | ---- | ---- | 424N | 329 + | NEW | .853 | ---- | 1 | 1 + | 1 | 440B | 328A |
| 1490 | ---- | ---- | ---- | 454N | 358 - | 1490 | .881 | ---- | 2 | 39 + | 2 | 937B | 357A |
| 1495 | ---- | ---- | ---- | 521N | 423 - | 1495 | .907 | ---- | ---- | 1 | UNCH | 537B | 422A |
| 1500 | ---- | ---- | ---- | 552N | 453 - | 1500 | .927 | ---- | 2 | 152 - | 1 | 1036B | 452A |
| 1505 | ---- | ---- | ---- | 619N | 520 + | NEW | .938 | ---- | 1 | 1 + | 1 | 636B | 519A |
| 1510 | ---- | ---- | ---- | 651N | 551 - | 1510 | .949 | ---- | ---- | 26 | UNCH | 1135B | 549A |
| 1520 | ---- | ---- | ---- | 750N | 649 - | 1520 | .968 | ---- | ---- | 7 | UNCH | 1235B | 645A |
| 1525 | ---- | ---- | ---- | 817N | 717 - | 1525 | .970 | ---- | ---- | 2 | UNCH | 834B | 715A |
| 1530 | ---- | ---- | ---- | 849N | 748 - | 1530 | .979 | ---- | 2 | 53 + | 2 | 1335B | 740A |
| 1535 | ---- | ---- | ---- | 917N | 815 - | 1535 | .980 | ---- | 3 | 48 + | 3 | 934B | 815A |
| 1540 | ---- | ---- | ---- | 948N | 847 - | 1540 | .980 | ---- | 36 | 143 + | 36 | 1434B | 837A |
| 1545 | ---- | ---- | ---- | 1016N | 915 - | 1545 | .981 | ---- | 41 | 43 + | 41 | 1027B | 914A |
| 1550 | ---- | ---- | ---- | 1048N | 947 - | 1550 | .989 | ---- | 9 | 171 + | 9 | 1534B | 934A |
| 1555 | ---- | ---- | ---- | 1116N | 1014 - | 1555 | .990 | ---- | 3 | 4 + | 3 | 1126B | 1014A |
| 1560 | ---- | ---- | ---- | 1148N | 1046 - | 1560 | .990 | ---- | 1 | 80 + | 1 | 1634B | 1044A |
| 1570 | ---- | ---- | ---- | 1248N | 1146 - | 1570 | .991 | ---- | ---- | 67 | UNCH | 1734B | 1142A |
| 1580 | ---- | ---- | ---- | 1348N | 1246 - | 1580 | .991 | ---- | ---- | 19 | UNCH | 1834B | 1241A |
| 1590 | ---- | ---- | ---- | 1448N | 1346 - | 1590 | .999 | ---- | ---- | 70 | UNCH | 1934B | 1340A |
| 1600 | ---- | ---- | ---- | 1548N | 1446 - | 1600 | .999 | ---- | ---- | 57 | UNCH | 2034B | 1440A |
| 1610 | ---- | ---- | ---- | 1648N | 1546 - | 1610 | .999 | ---- | ---- | 32 | UNCH | 2134B | 1539A |
| TOTAL | | | | | | | | | 20123 | 143851 + | 5571 | | |
| SEP18 | 30Y BOND PUT | | | | | | | | | | | | |
| 1110 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | ---- | ---- |
| 1120 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1673 | UNCH | ---- | ---- |
| 1130 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1140 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 151 | UNCH | ---- | 1A |
| 1150 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 39 | UNCH | 1 | 1 |
| 1160 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2571 | UNCH | 1 | 1A |
| 1170 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1072 | UNCH | ---- | ---- |
| 1180 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 312 | UNCH | 1B | 1 |
| 1190 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 128 | UNCH | 1B | 1 |
| 1200 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 225 | 4643 | UNCH | 1B | 1 |
| 1210 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 2382 | UNCH | 2 | 1 |
| 1220 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1294 | UNCH | 2B | 1 |
| 1230 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1336 | UNCH | 3B | 1 |
| 1240 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 477 | UNCH | 4 | 1 |
| 1250 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 419 | UNCH | 4 | 1 |
| 1260 | ---- | ---- | ---- | CAB | 1 + | 1260 | .005 | ---- | ---- | 549 | UNCH | 5B | 1 |
| 1270 | ---- | ---- | ---- | 1N | 1 | UNCH | .005 | ---- | ---- | 4102 | UNCH | 6 | 1 |
| 1280 | ---- | ---- | ---- | 1N | 1 | UNCH | .006 | ---- | 3 | 1151 | UNCH | 8 | 1 |
| 1290 | ---- | ---- | ---- | 1N | 1 | UNCH | .006 | ---- | 150 | 899 + | 27 | 9B | 1 |
| 1300 | ---- | ---- | ---- | 2N | 2 | UNCH | .011 | ---- | ---- | 4735 | UNCH | 12B | 2A |
| 1310 | ---- | ---- | ---- | 2N | 2 | UNCH | .012 | ---- | 629 | 1916 + | 436 | 15B | 2 |
| 1320 | ---- | ---- | ---- | 2N | 2 | UNCH | .013 | ---- | 120 | 1923 + | 14 | 19 | 2 |
| 1330 | ---- | ---- | ---- | 3N | 3 | UNCH | .019 | ---- | 30 | 885 + | 23 | 25 | 2 |
| 1340 | ---- | ---- | ---- | 3N | 3 | UNCH | .020 | ---- | 438 | 1990 + | 67 | 33B | 3 |
| 1350 | ---- | ---- | ---- | 4N | 4 | UNCH | .027 | ---- | 63 | 1872 - | 32 | 44B | 3 |
| 1360 | ---- | ---- | ---- | 5N | 5 | UNCH | .034 | ---- | 397 | 2217 - | 112 | 61 | 4 |
| 1370 | ---- | ---- | ---- | 7N | 6 - | 1370 | .043 | ---- | 103 | 5783 - | 5 | 112B | 5 |
| 1380 | ---- | ---- | ---- | 9N | 8 - | 1380 | .057 | ---- | 4378 | 14774 + | 1596 | 134B | 6 |
| 1390 | ---- | ---- | ---- | 14N | 10 - | 1390 | .074 | ---- | 777 | 23796 + | 182 | 161B | 9 |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1400 | ---- | ---- | ---- | 20N | 15 - | 1400 | .106 | ---- | 799 | 7479 - | 99 | 228B | 14 |
| 1410 | ---- | ---- | ---- | 31N | 22 - | 1410 | .150 | ---- | 835 | 12286 + | 319 | 300B | 21 |
| 1420 | ---- | ---- | ---- | 46N | 32 - | 1420 | .207 | ---- | 1096 | 8267 + | 219 | 341B | 32 |
| 1430 | ---- | ---- | ---- | 103N | 47 - | 1430 | .281 | ---- | 2983 | 38766 - | 103 | 423B | 47 |
| 1440 | ---- | ---- | ---- | 130N | 104 - | 1440 | .370 | ---- | 1177 | 4477 + | 116 | 508B | 104A |
| 1450 | ---- | ---- | ---- | 163N | 132 - | 1450 | .466 | ---- | 1066 | 5209 - | 226 | 561B | 131A |
| 1460 | ---- | ---- | ---- | 240N | 202 - | 1460 | .564 | ---- | 3 | 7465 + | 2 | 653B | 201A |
| 1470 | ---- | ---- | ---- | 323N | 242 - | 1470 | .656 | ---- | 2 | 409 | UNCH | 747B | 241A |
| 1480 | ---- | ---- | ---- | 410N | 324 - | 1480 | .738 | ---- | 4 | 292 + | 3 | 843B | 323A |
| 1490 | ---- | ---- | ---- | 501N | 410 - | 1490 | .806 | ---- | 3 | 124 - | 1 | 940B | 410A |
| 1500 | ---- | ---- | ---- | 560N | 501 - | 1500 | .858 | ---- | ---- | 98 | UNCH | 1038B | 501A |
| 1510 | ---- | ---- | ---- | 656N | 559 - | 1510 | .897 | ---- | ---- | 302 | UNCH | 1137B | 558A |
| 1520 | ---- | ---- | ---- | 754N | 655 - | 1520 | .924 | ---- | ---- | 3 | UNCH | 1236B | 654A |
| 1530 | ---- | ---- | ---- | 852N | 752 - | 1530 | .945 | ---- | ---- | 22 | UNCH | 1335B | 750A |
| 1540 | ---- | ---- | ---- | 951N | 851 - | 1540 | .955 | ---- | ---- | 32 | UNCH | 1435B | 845A |
| 1550 | ---- | ---- | ---- | 1050N | 950 - | 1550 | .963 | ---- | 1 | 209 | UNCH | 1534B | 941A |
| 1560 | ---- | ---- | ---- | 1150N | 1049 - | 1560 | .971 | ---- | ---- | 177 | UNCH | 1634B | 1048A |
| 1570 | ---- | ---- | ---- | 1249N | 1148 - | 1570 | .978 | ---- | ---- | 141 | UNCH | 1734B | 1146A |
| 1580 | ---- | ---- | ---- | 1349N | 1248 - | 1580 | .979 | ---- | ---- | 240 | UNCH | 1834B | 1244A |
| 1600 | ---- | ---- | ---- | 1549N | 1447 - | 1600 | .986 | ---- | ---- | 3936 | UNCH | 2033B | 1442A |
| 1630 | ---- | ---- | ---- | 1848N | 1746 - | 1630 | .993 | ---- | ---- | 4 | UNCH | 2333B | 1740A |
| 1640 | ---- | ---- | ---- | 1948N | 1846 - | 1640 | .993 | ---- | ---- | 3 | UNCH | 2433B | 1839A |
| 1750 | ---- | ---- | ---- | 3048N | 2946 - | 1750 | .999 | ---- | ---- | 4 | UNCH | 3534B | 2950A |
| TOTAL | | | | | | | | | 15282 | 173041 + | 2426 | | |

### ULTRA T-BOND CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ULTRA T-BND C | | | | | | | | | | | |
| AUG18 | ULTRA T-BND C | | | | | | | | | | |
| 1570 | ---- | ---- | ---- | 221N | 332 + | 111 .769 | ---- | ---- | 48 | UNCH 224B | 104A |
| 1580 | ---- | ---- | ---- | 147N | 249 + | 102 .691 | ---- | ---- | 55 | UNCH 324B | 52A |
| 1590 | ---- | ---- | ---- | 117N | 208 + | 55 .597 | ---- | ---- | 56 | UNCH 248B | 44A |
| 1600 | ---- | ---- | ---- | 57N | 137 + | 44 .498 | ---- | ---- | 132 | UNCH 217 | 37A |
| 1620 | ---- | ---- | ---- | 27N | 52 + | NEW .309 | ---- | 1 | 1 + | 1 38 | 23A |
| 1630 | ---- | ---- | ---- | 18N | 36 + | NEW .231 | ---- | 1 | 1 + | 1 29 | 18A |
| TOTAL | | | | | | | | 2 | 293 + | 2 | |
| SEP18 | ULTRA T-BND C | | | | | | | | | | |
| 1560 | ---- | ---- | ---- | 339N | 449 + | 110 .760 | ---- | ---- | 48 | UNCH 328B | 151A |
| 1570 | ---- | ---- | ---- | 262N | 400 + | 102 .706 | ---- | ---- | 48 | UNCH 336B | 131A |
| 1580 | ---- | ---- | ---- | 226N | 321 + | 59 .643 | ---- | ---- | 48 | UNCH 354B | 115A |
| 1590 | ---- | ---- | ---- | 160N | 248 + | 52 .573 | ---- | ---- | 104 | UNCH 320B | 100A |
| 1600 | ---- | ---- | ---- | 134N | 214 + | 44 .502 | ---- | ---- | 103 | UNCH 311B | 52A |
| 1610 | ---- | ---- | ---- | 112N | 149 + | 37 .431 | ---- | ---- | 1 | UNCH 108B | 54 |
| 1630 | ---- | ---- | ---- | 44N | 105 + | 25 .301 | ---- | ---- | 4 | UNCH 54 | 42A |
| 1880 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 17 | UNCH ---- | ---- |
| 1900 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 2 | UNCH ---- | ---- |
| 1950 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 3 | UNCH ---- | ---- |
| 1960 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 64 | UNCH ---- | ---- |
| 2000 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 591 | UNCH ---- | ---- |
| TOTAL | | | | | | | | 0 | 1033 | | |

### ULTRA T-BOND PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ULTRA T-BND P | | | | | | | | | | | |
| AUG18 | ULTRA T-BND P | | | | | | | | | | |
| 1530 | ---- | ---- | ---- | 12N | 7 - | 1530 .053 | ---- | ---- | 175 | UNCH 228B | 39A |
| 1540 | ---- | ---- | ---- | 19N | 11 - | 1540 .080 | ---- | ---- | 18 | UNCH 262B | 36A |
| 1570 | ---- | ---- | ---- | 100N | 37 - | 1570 .230 | ---- | 72 | 144 + | 72 342B | 39 |
| 1580 | ---- | ---- | ---- | 125N | 53 - | 1580 .308 | ---- | ---- | 120 | UNCH 222B | 57A |
| TOTAL | | | | | | | | 72 | 457 + | 72 | |
| SEP18 | ULTRA T-BND P | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 745 | UNCH ---- | ---- |
| 1120 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 481 | UNCH ---- | ---- |
| 1150 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 635 | UNCH ---- | ---- |
| 1170 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 6506 | UNCH ---- | ---- |
| 1180 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 277 | UNCH ---- | ---- |
| 1200 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 1824 | UNCH ---- | ---- |
| 1250 | ---- | ---- | ---- | CAB | CAB | ---- ---- | ---- | ---- | 6 | UNCH ---- | ---- |
| 1480 | ---- | ---- | ---- | 6N | 7 + | 1480 .036 | ---- | ---- | 3 | UNCH 107B | 25A |
| 1530 | ---- | ---- | ---- | 35N | 25 - | 1530 .122 | ---- | ---- | 55 | UNCH 259B | 49A |
| 1540 | ---- | ---- | ---- | 47N | 33 - | 1540 .155 | ---- | ---- | 10 | UNCH 328B | 50A |
| 1550 | ---- | ---- | ---- | 62N | 42 - | 1550 .193 | ---- | ---- | 120 | UNCH 401B | 47A |
| 1560 | ---- | ---- | ---- | 117N | 54 - | 1560 .239 | ---- | ---- | 158 | UNCH 410B | 58A |
| 1570 | ---- | ---- | ---- | 140N | 105 - | 1570 .293 | ---- | ---- | 48 | UNCH 419B | 111A |
| 1590 | ---- | ---- | ---- | 238N | 152 + | NEW .426 | ---- | 120 | 120 + | 120 332B | 157A |
| TOTAL | | | | | | | | 120 | 10988 + | 120 | |

### 10-YEAR WEEK1 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y WK1 NOTE C | | | | | | | | | | | |
| JUL18 | 10Y WK1 NOTE C | | | | | | | | | | |
| 1177 | ---- | ---- | ---- | 216N | 241 + | 25 .999 | ---- | ---- | 1 | UNCH 241B | 136A |
| 1180 | ---- | ---- | ---- | 200N | 225 + | 25 .999 | ---- | ---- | 1 | UNCH 225B | 121A |
| 1182 | ---- | ---- | ---- | 148N | 209 + | 25 .999 | ---- | ---- | 1 | UNCH 209B | 108A |
| 1185 | ---- | ---- | ---- | 133N | 157 + | 24 .999 | ---- | ---- | 5 | UNCH 157B | 59A |
| 1187 | ---- | ---- | ---- | 117N | 141 + | 24 .996 | ---- | ---- | 27 | UNCH 141B | 47A |
| 1190 | ---- | ---- | ---- | 102N | 126 + | 24 .962 | ---- | 4 | 43 - | 2 126B | 37A |
| 1192 | ---- | ---- | ---- | 51N | 110 + | 23 .956 | ---- | 1 | 268 | UNCH 110B | 28A |
| 1195 | ---- | ---- | ---- | 38N | 59 + | 21 .915 | ---- | 1 | 640 + | 1 59B | 17 |
| 1197 | ---- | ---- | ---- | 27N | 45 + | 18 .841 | ---- | 64 | 2954 - | 64 45B | 14 |
| 1200 | ---- | ---- | ---- | 18N | 33 + | 15 .723 | ---- | 332 | 11686 - | 1 34 | 10A |
| 1202 | ---- | ---- | ---- | 12N | 23 + | 11 .583 | ---- | 886 | 5748 - | 533 24B | 7A |
| 1205 | ---- | ---- | ---- | 8N | 16 + | 8 .440 | ---- | 5755 | 8324 + | 1940 17B | 4 |
| 1207 | 8 | #8 | *8 | 8 | 10 + | 5 .309 | ---- | 7803 | 4401 + | 3427 12B | 3A |
| 1210 | ---- | ---- | ---- | 3N | 7 + | 4 .218 | ---- | 5753 | 10680 + | 1534 9B | 2A |
| 1212 | ---- | ---- | ---- | 2N | 4 + | 2 .135 | ---- | 575 | 1114 + | 186 6B | 2 |
| 1215 | ---- | ---- | ---- | 1N | 3 + | 2 .097 | ---- | 1650 | 4235 + | 1049 4 | 2A |
| 1217 | ---- | ---- | ---- | 1N | 2 + | 1 .064 | ---- | ---- | 749 | UNCH 3B | 1 |
| 1220 | ---- | ---- | ---- | 1N | 2 + | 1 .057 | ---- | 258 | 308 + | 242 2 | 1A |
| 1222 | ---- | ---- | ---- | 1N | 1 | UNCH .030 | ---- | ---- | 87 | UNCH 2 | 1 |
| 1225 | ---- | ---- | ---- | 1N | 1 | UNCH .027 | ---- | 2 | 340 + | 2 1 | 1 |
| 1227 | ---- | ---- | ---- | CAB | 1 + | 1 .025 | ---- | ---- | 37 | UNCH ---- | 1A |
| 1230 | ---- | ---- | ---- | CAB | CAB | ---- .002 | ---- | ---- | 253 | UNCH ---- | ---- |
| 1237 | ---- | ---- | ---- | CAB | CAB | ---- .000 | ---- | ---- | 3 | UNCH ---- | ---- |
| 1240 | ---- | ---- | ---- | CAB | CAB | ---- .000 | ---- | ---- | 401 | UNCH ---- | ---- |
| 1242 | ---- | ---- | ---- | CAB | CAB | ---- .000 | ---- | ---- | 4 | UNCH ---- | ---- |
| TOTAL | | | | | | | | 23084 | 52310 + | 7781 | |

### 10-YEAR WEEK2 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y WK2 NOTE C | | | | | | | | | | | |
| JUL18 | 10Y WK2 NOTE C | | | | | | | | | | |
| 1162 | ---- | ---- | ---- | 348N | 409 + | 25 .999 | ---- | ---- | 1 | UNCH 406B | 317A |
| 1165 | ---- | ---- | ---- | 332N | 357 + | 25 .999 | ---- | ---- | 1 | UNCH 357B | 301A |
| 1172 | ---- | ---- | ---- | 248N | 309 + | 25 .999 | ---- | ---- | 1 | UNCH 309B | 218A |
| 1175 | ---- | ---- | ---- | 232N | 257 + | NEW .998 | ---- | 1 | 1 + | 1 257B | 202A |
| 1177 | ---- | ---- | ---- | 217N | 241 + | 24 .997 | ---- | ---- | 1 | UNCH 241B | 149A |
| 1180 | ---- | ---- | ---- | 201N | 226 + | 25 .972 | ---- | ---- | 1 | UNCH 226B | 134A |
| 1182 | ---- | ---- | ---- | 149N | 210 + | 25 .970 | ---- | 1 | 2 | UNCH 210B | 120A |
| 1185 | ---- | ---- | ---- | 134N | 158 + | 24 .967 | ---- | 3 | 6 + | 2 158B | 106A |
| 1187 | ---- | ---- | ---- | 119N | 142 + | 23 .963 | ---- | 1 | 2 - | 1 142B | 57A |
| 1190 | ---- | ---- | ---- | 104N | 127 + | 23 .933 | ---- | ---- | 6 | UNCH 127B | 46A |
| 1192 | ---- | ---- | ---- | 55N | 112 + | 21 .900 | ---- | 8 | 20 + | 4 112B | 35A |
| 1195 | ---- | ---- | ---- | 43N | 63 + | 20 .829 | ---- | ---- | 335 | UNCH 62B | 27A |
| 1197 | ---- | ---- | ---- | 32N | 50 + | 18 .758 | ---- | ---- | 1066 | UNCH 50B | 20A |
| 1200 | ---- | ---- | ---- | 24N | 39 + | 15 .664 | ---- | 129 | 2012 - | 33 38B | 14A |
| 1202 | ---- | ---- | ---- | 17N | 30 + | 13 .559 | ---- | 872 | 2344 + | 201 29B | 10A |
| 1205 | ---- | ---- | ---- | 12N | 22 + | 10 .456 | ---- | 934 | 928 + | 772 22B | 8A |
| 1207 | ---- | ---- | ---- | 9N | 16 + | 7 .358 | ---- | 892 | 967 + | 831 16B | 5A |
| 1210 | ---- | ---- | ---- | 6N | 11 + | 5 .269 | ---- | 743 | 4614 + | 157 12B | 4A |

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**FINAL**



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1212 | ---- | ---- | ---- | 4N | | 8 + | 4 | .202 | ---- | 3685 | 2276 + | 921 | 9B | 3 |
| 1215 | ---- | ---- | ---- | 3N | | 6 + | 3 | .153 | ---- | 96 | 213 - | 40 | 7B | 2A |
| 1217 | ---- | ---- | ---- | 2N | | 4 + | 2 | .107 | ---- | ---- | 331 | UNCH | 5B | 2 |
| 1220 | ---- | ---- | ---- | 2N | | 3 + | 1 | .080 | ---- | 74 | 2205 | UNCH | 4B | 2 |
| 1222 | ---- | ---- | ---- | 2N | | 3 + | 1 | .073 | ---- | ---- | 25 | UNCH | 3 | 3 |
| 1225 | ---- | ---- | ---- | 2N | | 2 | UNCH | .050 | ---- | 310 | 310 + | 310 | 2B | 1A |
| 1227 | ---- | ---- | ---- | 1N | | 2 + | 1 | .046 | ---- | ---- | 72 | UNCH | 2 | 2 |
| 1232 | ---- | ---- | ---- | 1N | | 1 | UNCH | .024 | ---- | 177 | 177 + | 177 | 1 | 1 |
| 1235 | ---- | ---- | ---- | 1N | | 1 | UNCH | .022 | ---- | ---- | 281 | UNCH | 1 | 1 |
| 1250 | ---- | ---- | ---- | CAB | CAB | | ---- | .000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 7926 | 18199 + | 3302 | | |

10-YEAR WEEK5 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y WK5 NOTE C | | | | | | | | | | | | | |
| JUN18 | 10Y WK5 NOTE C | | | | | | | | | | | | |
| 1165 | ---- | ---- | ---- | 332N | 357 + | 25 | 1.000 | ---- | ---- | 2 | UNCH | 354B | 243A |
| 1167 | ---- | ---- | ---- | 316N | 341 + | 25 | 1.000 | ---- | ---- | 1 | UNCH | 338B | 227A |
| 1172 | ---- | ---- | ---- | 248N | 309 + | 25 | 1.000 | ---- | ---- | 20 | UNCH | 306B | 161A |
| 1177 | ---- | ---- | ---- | 216N | 241 + | 25 | 1.000 | ---- | ---- | 2 | UNCH | 241B | 131A |
| 1180 | ---- | ---- | ---- | 200N | 225 + | 25 | 1.000 | ---- | ---- | 2 | UNCH | 225B | 117A |
| 1182 | ---- | ---- | ---- | 148N | 209 + | 25 | 1.000 | ---- | ---- | 1 | UNCH | 209B | 104A |
| 1185 | ---- | ---- | ---- | 132N | 157 + | 25 | 1.000 | ---- | ---- | 1 | UNCH | 157B | 55A |
| 1187 | ---- | ---- | ---- | 116N | 141 + | 25 | 1.000 | ---- | 2 | 5 + | 1 | 141B | 43A |
| 1190 | ---- | ---- | ---- | 100N | 125 + | 25 | 1.000 | ---- | 2 | 308 - | 1 | 125B | 32A |
| 1192 | ---- | ---- | ---- | 49N | 109 + | 24 | .999 | ---- | 300 | 1472 + | 100 | 109B | 23A |
| 1195 | ---- | ---- | ---- | 33N | 57 + | 24 | .998 | ---- | 441 | 2179 - | 199 | 57 | 16A |
| 1197 | ---- | ---- | ---- | 20N | 42 + | 22 | .959 | ---- | 704 | 5867 + | 521 | 42B | 9 |
| 1200 | ---- | ---- | ---- | 10N | 27 + | 17 | .893 | ---- | 3281 | 8570 - | 420 | 29B | 5 |
| 1202 | ---- | ---- | ---- | 5N | 15 + | 10 | .672 | ---- | 9471 | 13923 - | 728 | 22B | 3A |
| 1205 | 6 | 6 | 6 | 6 | 8 + | 6 | .380 | ---- | 17715 | 20938 + | 1656 | 17B | 2 |
| 1207 | ---- | ---- | ---- | 1N | 3 + | 2 | .150 | ---- | 4416 | 7476 + | 2448 | 12B | 2 |
| 1210 | ---- | ---- | ---- | 1N | 2 + | 1 | .076 | ---- | 2366 | 2121 + | 376 | 9 | 1 |
| 1212 | ---- | ---- | ---- | CAB | 1 + | 1 | .031 | ---- | 5953 | 6293 + | 2245 | 7 | 1 |
| 1215 | ---- | ---- | ---- | CAB | CAB | ---- | .001 | ---- | 1380 | 2417 + | 732 | 5B | 1 |
| 1217 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 17 | 720 | UNCH | 4B | 1A |
| 1220 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 1200 | 1382 + | 165 | 3B | 1 |
| 1222 | 4$ | CAB | CAB | CAB | CAB | ---- | ---- | ---- | 700 | 750 + | 700 | 2 | 1 |
| 1225 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 507 | UNCH | 2 | 1 |
| 1227 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | 1A |
| 1230 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 241 | UNCH | ---- | ---- |
| 1232 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 214 | UNCH | 1 | 1 |
| 1240 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 155 | UNCH | ---- | ---- |
| 1247 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1250 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 151 | UNCH | ---- | ---- |
| 1255 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 47948 | 75724 + | 7596 | | |

5-YEAR WEEK1 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y WK1 NOTE C | | | | | | | | | | | | | |
| JUL18 | 5Y WK1 NOTE C | | | | | | | | | | | | |
| 1117 | ---- | ---- | ---- | 1495N | 2005 + | 15 | .999 | ---- | ---- | 1 | UNCH | 2000B | 1220A |
| 1125 | ---- | ---- | ---- | 1020N | 1165 + | 14 | .995 | ---- | ---- | 2 | UNCH | 1160B | 420A |
| 1127 | ---- | ---- | ---- | 500N | 1010 + | 15 | .971 | ---- | ---- | 4 | UNCH | 1005B | 300A |
| 1130 | ---- | ---- | ---- | 350N | 490 + | 14 | .964 | ---- | ---- | 66 | UNCH | 490B | 205A |
| 1132 | ---- | ---- | ---- | 220N | 345 + | 12 | .878 | ---- | ---- | 2618 | UNCH | 340B | 115A |
| 1135 | ---- | ---- | ---- | 125N | 215 + | 9 | .729 | ---- | 108 | 7154 | UNCH | 210B | 65A |
| 1137 | ---- | ---- | ---- | 65N | 125 + | 6 | .507 | ---- | 1200 | 8121 + | 543 | 125B | 35A |
| 1140 | ---- | ---- | ---- | 35N | 65 + | 3 | .305 | ---- | 31 | 1918 - | 9 | 75 | 25A |
| 1142 | ---- | ---- | ---- | 20N | 35 + | 1 | .171 | ---- | ---- | 892 | UNCH | 50 | 20A |
| 1145 | ---- | ---- | ---- | 10N | 20 + | 1 | .096 | ---- | 6 | 634 | UNCH | 30 | 15A |
| 1147 | ---- | ---- | ---- | 5N | 10 | UNCH | .048 | ---- | 512 | 867 - | 133 | 15 | 10A |
| 1150 | ---- | ---- | ---- | 5N | 10 | UNCH | .041 | ---- | ---- | 2 | UNCH | 10 | 10A |
| TOTAL | | | | | | | | | 1857 | 22279 + | 401 | | |

5-YEAR WEEK2 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y WK2 NOTE C | | | | | | | | | | | | | |
| JUL18 | 5Y WK2 NOTE C | | | | | | | | | | | | |
| 1122 | ---- | ---- | ---- | 1180N | 1330 + | 15 | .977 | ---- | ---- | 1 | UNCH | 1325B | 620A |
| 1125 | ---- | ---- | ---- | 1025N | 1170 + | 14 | .973 | ---- | ---- | 5 | UNCH | 1170B | 475A |
| 1127 | ---- | ---- | ---- | 510N | 1015 + | 14 | .948 | ---- | ---- | 7 | UNCH | 1010B | 345A |
| 1130 | ---- | ---- | ---- | 370N | 505 + | 13 | .900 | ---- | ---- | 1 | UNCH | 500B | 235A |
| 1132 | ---- | ---- | ---- | 250N | 365 + | 11 | .814 | ---- | ---- | 157 | UNCH | 360B | 150A |
| 1135 | ---- | ---- | ---- | 160N | 250 + | 9 | .671 | ---- | 80 | 750 | UNCH | 245B | 90A |
| 1137 | ---- | ---- | ---- | 100N | 160 + | NEW | .506 | ---- | 1 | 1 + | 1 | 155B | 55A |
| 1140 | ---- | ---- | ---- | 60N | 100 + | 4 | .351 | ---- | 500 | 554 + | 500 | 100B | 35A |
| 1142 | ---- | ---- | ---- | 40N | 60 + | 2 | .229 | ---- | 126 | 161 + | 126 | 65B | 25A |
| 1145 | ---- | ---- | ---- | 25N | 40 + | 1 | .152 | ---- | 77 | 171 + | 77 | 40B | 20 |
| 1147 | ---- | ---- | ---- | 15N | 25 + | NEW | .097 | ---- | 1 | 1 + | 1 | 25B | 20A |
| 1150 | ---- | ---- | ---- | 10N | 15 | UNCH | .059 | ---- | ---- | 58 | UNCH | 20B | 10 |
| 1152 | ---- | ---- | ---- | 10N | 10 | UNCH | .039 | ---- | ---- | 1000 | UNCH | 15B | 10 |
| TOTAL | | | | | | | | | 785 | 2867 + | 705 | | |

5-YEAR WEEK5 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y WK5 NOTE C | | | | | | | | | | | | | |
| JUN18 | 5Y WK5 NOTE C | | | | | | | | | | | | |
| 1102 | ---- | ---- | ---- | 3175N | 3325 + | 15 | 1.000 | ---- | ---- | 4 | UNCH | 3320B | 2560A |
| 1120 | ---- | ---- | ---- | 1335N | 1485 + | 15 | 1.000 | ---- | ---- | 12 | UNCH | 1480B | 1060A |
| 1125 | ---- | ---- | ---- | 1015N | 1165 + | 15 | 1.000 | ---- | 1 | 378 - | 1 | 1160B | 400A |
| 1127 | ---- | ---- | ---- | 495N | 1005 + | 15 | 1.000 | ---- | ---- | 1 | UNCH | 1000B | 270A |
| 1130 | ---- | ---- | ---- | 335N | 485 + | 15 | .999 | ---- | 1 | 151 | UNCH | 480 | 170A |
| 1132 | ---- | ---- | ---- | 185N | 325 + | 14 | .996 | ---- | 2 | 1781 - | 1 | 325B | 80A |
| 1135 | ---- | ---- | ---- | 75N | 175 + | 10 | .913 | ---- | 372 | 1729 - | 170 | 215B | 40A |
| 1137 | ---- | ---- | ---- | 25N | 70 + | 4 | .514 | ---- | 1208 | 3778 - | 824 | 150B | 20A |
| 1140 | ---- | ---- | ---- | 10N | 25 + | 1 | .171 | ---- | 1126 | 10277 | UNCH | 100B | 10A |
| 1142 | ---- | ---- | ---- | 5N | 10 | UNCH | .051 | ---- | 305 | 1022 - | 181 | 65B | 5A |
| 1145 | ---- | ---- | ---- | CAB | 5 | UNCH | .018 | ---- | ---- | 75 | UNCH | 40B | 10A |
| 1147 | ---- | ---- | ---- | CAB | CAB | ---- | .001 | ---- | ---- | 63 | UNCH | 25B | 2A |
| 1150 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 169 | UNCH | 20B | 5 |
| 1152 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1320 | UNCH | 2B | 2 |
| 1155 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 83 | UNCH | 10B | 2 |
| 1157 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 27 | UNCH | 2B | 2A |
| 1170 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | 2B | 2 |
| 1172 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 8 | UNCH | 2B | 2 |
| TOTAL | | | | | | | | | 3015 | 20881 - | 1177 | | |

2-YEAR WEEK5 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2Y WK5 NOTE C | | | | | | | | | | | | | |
| JUN18 | 2Y WK5 NOTE C | | | | | | | | | | | | |
| 1057 | ---- | ---- | ---- | 95N | 145 + | 5 | .996 | ---- | ---- | 500 | UNCH | 155B | 65A |
| TOTAL | | | | | | | | | 0 | 500 | | | |

30-YEAR WEEK1 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y WK1 BOND C | | | | | | | | | | | | | |
| JUL18 | 30Y WK1 BOND C | | | | | | | | | | | | |
| 1355 | ---- | ---- | ---- | 848N | 950 + | 102 | 1.000 | ---- | ---- | 1 | UNCH | 951B | 659A |
| 1365 | ---- | ---- | ---- | 748N | 850 + | 102 | 1.000 | ---- | ---- | 3 | UNCH | 851B | 560A |
| 1370 | ---- | ---- | ---- | 716N | 818 + | 102 | 1.000 | ---- | ---- | 1 | UNCH | 819B | 529A |
| 1375 | ---- | ---- | ---- | 648N | 750 + | 102 | 1.000 | ---- | ---- | 4 | UNCH | 751B | 462A |
| 1385 | ---- | ---- | ---- | 548N | 650 + | 102 | .999 | ---- | ---- | 1 | UNCH | 651B | 401A |

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1395 | ---- | ---- | ---- | 448N | 550 + | 102 | .999 | ---- | ---- | 2 | UNCH | 551B | 308A |
| 1400 | ---- | ---- | ---- | 416N | 518 + | 102 | .999 | ---- | ---- | 1 | UNCH | 519B | 245A |
| 1410 | ---- | ---- | ---- | 317N | 419 + | 102 | .984 | ---- | ---- | 6 | UNCH | 420B | 159A |
| 1415 | ---- | ---- | ---- | 250N | 351 + | 101 | .983 | ---- | 2 | 12 - | 2 | 352B | 137A |
| 1420 | ---- | ---- | ---- | 220N | 320 + | 100 | .967 | ---- | ---- | 6 | UNCH | 320B | 118A |
| 1425 | ---- | ---- | ---- | 154N | 252 + | 62 | .962 | ---- | 4 | 33 + | 3 | 253B | 101A |
| 1430 | ---- | ---- | ---- | 127N | 222 + | 59 | .928 | ---- | 1 | 214 - | 1 | 222B | 51A |
| 1435 | ---- | ---- | ---- | 103N | 157 + | 54 | .879 | ---- | ---- | 85 | UNCH | 157B | 37A |
| 1440 | ---- | ---- | ---- | 47N | 130 + | 47 | .804 | ---- | 9 | 1616 + | 3 | 130B | 26A |
| 1445 | ---- | ---- | ---- | 32N | 106 + | 38 | .701 | ---- | 194 | 2954 - | 2 | 106B | 16 |
| 1450 | ---- | ---- | ---- | 20N | 50 + | 30 | .576 | ---- | 995 | 1130 + | 742 | 50B | 11 |
| 1455 | ---- | ---- | ---- | 13N | 35 + | 22 | .445 | ---- | 187 | 513 + | 163 | 35B | 8A |
| 1460 | ---- | ---- | ---- | 8N | 23 + | 15 | .324 | ---- | 717 | 2147 + | 98 | 25B | 6A |
| 1465 | ---- | ---- | ---- | 6N | 15 + | 9 | .225 | ---- | 472 | 4290 + | 186 | 18B | 4 |
| 1470 | ---- | ---- | ---- | 4N | 10 + | 6 | .154 | ---- | 737 | 3267 + | 31 | 13B | 3A |
| 1475 | ---- | ---- | ---- | 3N | 7 + | 4 | .107 | ---- | 129 | 354 + | 66 | 8B | 2A |
| 1480 | ---- | ---- | ---- | 2N | 5 + | 3 | .075 | ---- | 175 | 372 + | 141 | 6 | 2 |
| 1485 | ---- | ---- | ---- | 1N | 4 + | 3 | .057 | ---- | 10 | 96 | UNCH | 4B | 2A |
| 1490 | ---- | ---- | ---- | 1N | 3 + | 2 | .041 | ---- | ---- | 138 | UNCH | 3B | 1 |
| 1495 | ---- | ---- | ---- | 1N | 2 + | NEW | .027 | ---- | 20 | 20 + | 20 | 2B | 1A |
| 1500 | ---- | ---- | ---- | 1N | 1 | UNCH | .014 | ---- | ---- | 6 | UNCH | 2B | 1A |
| 1505 | ---- | ---- | ---- | CAB | 1 + | 1 | .013 | ---- | ---- | 17 | UNCH | 1 | 1 |
| 1510 | ---- | ---- | ---- | CAB | 1 + | 1 | .012 | ---- | ---- | 35 | UNCH | ---- | ---- |
| 1525 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 28 | UNCH | 1 | 1 |
| TOTAL | | | | | | | | | 3652 | 17352 + | 1448 | | |

30-YEAR WEEK2 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y WK2 BOND C | | | | | | | | | | | | | |
| JUL18 | 30Y WK2 BOND C | | | | | | | | | | | | |
| 1350 | ---- | ---- | ---- | 916N | 1018 + | 102 | 1.000 | ---- | ---- | 1 | UNCH | 1013B | 813A |
| 1355 | ---- | ---- | ---- | 848N | 950 + | 102 | 1.000 | ---- | ---- | 6 | UNCH | 951B | 745A |
| 1360 | ---- | ---- | ---- | 816N | 918 + | 102 | .999 | ---- | ---- | 1 | UNCH | 919B | 713A |
| 1370 | ---- | ---- | ---- | 716N | 818 + | 102 | .999 | ---- | ---- | 1 | UNCH | 819B | 615A |
| 1385 | ---- | ---- | ---- | 549N | 650 + | 101 | .998 | ---- | ---- | 1 | UNCH | 652B | 447A |
| 1390 | ---- | ---- | ---- | 517N | 619 + | 102 | .987 | ---- | ---- | 2 | UNCH | 620B | 416A |
| 1395 | ---- | ---- | ---- | 450N | 551 + | 101 | .986 | ---- | 1 | 2 + | 1 | 552B | 348A |
| 1400 | ---- | ---- | ---- | 418N | 519 + | 101 | .985 | ---- | ---- | 2 | UNCH | 520B | 319A |
| 1405 | ---- | ---- | ---- | 351N | 451 + | 100 | .984 | ---- | ---- | 2 | UNCH | 452B | 254A |
| 1415 | ---- | ---- | ---- | 254N | 353 + | 63 | .956 | ---- | ---- | 4 | UNCH | 354B | 200A |
| 1420 | ---- | ---- | ---- | 224N | 322 + | 62 | .940 | ---- | ---- | 12 | UNCH | 323B | 140A |
| 1425 | ---- | ---- | ---- | 161N | 256 + | 59 | .913 | ---- | ---- | 2 | UNCH | 257B | 119A |
| 1430 | ---- | ---- | ---- | 137N | 228 + | 55 | .866 | ---- | 3 | 3 + | 2 | 228B | 100A |
| 1435 | ---- | ---- | ---- | 115N | 201 + | 50 | .809 | ---- | 3 | 37 + | 3 | 201B | 49A |
| 1440 | ---- | ---- | ---- | 60N | 140 + | 44 | .738 | ---- | 3 | 274 + | 2 | 140B | 36A |
| 1445 | ---- | ---- | ---- | 44N | 118 + | 38 | .652 | ---- | 15 | 437 + | 14 | 118B | 26A |
| 1450 | ---- | ---- | ---- | 31N | 100 + | 33 | .556 | ---- | 273 | 274 + | 12 | 63B | 19A |
| 1455 | ---- | ---- | ---- | 22N | 48 + | 26 | .460 | ---- | 223 | 234 + | 220 | 48B | 14A |
| 1460 | ---- | ---- | ---- | 16N | 35 + | 19 | .368 | ---- | 149 | 257 + | 146 | 35B | 9A |
| 1465 | ---- | ---- | ---- | 11N | 25 + | 14 | .284 | ---- | 99 | 153 + | 91 | 25B | 7A |
| 1470 | ---- | ---- | ---- | 8N | 18 + | 10 | .215 | ---- | 208 | 206 + | 98 | 18B | 6 |
| 1475 | ---- | ---- | ---- | 6N | 13 + | 7 | .161 | ---- | 115 | 176 + | 115 | 13B | 4A |
| 1480 | ---- | ---- | ---- | 4N | 10 + | 6 | .124 | ---- | 63 | 247 + | 30 | 10 | 3A |
| 1485 | ---- | ---- | ---- | 3N | 7 + | 4 | .089 | ---- | ---- | 1 | UNCH | 7B | 3A |
| 1490 | ---- | ---- | ---- | 2N | 5 + | NEW | .065 | ---- | 1 | 1 + | 1 | 5B | 3A |
| 1495 | ---- | ---- | ---- | 2N | 4 + | 2 | .051 | ---- | 27 | 47 + | 27 | 4B | 2 |
| 1500 | ---- | ---- | ---- | 2N | 3 + | 1 | .038 | ---- | 7 | 200 | UNCH | 3B | 2 |
| 1510 | ---- | ---- | ---- | 1N | 2 + | 1 | .024 | ---- | ---- | 300 | UNCH | ---- | ---- |
| 1515 | ---- | ---- | ---- | 1N | 2 + | NEW | .022 | ---- | 26 | 26 + | 26 | 2B | 1A |
| TOTAL | | | | | | | | | 1216 | 2909 + | 788 | | |

30-YEAR WEEK5 NOTE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y WK5 BOND C | | | | | | | | | | | | | |
| JUN18 | 30Y WK5 BOND C | | | | | | | | | | | | |
| 1365 | ---- | ---- | ---- | 748N | 850 + | 102 | 1.000 | ---- | ---- | 1 | UNCH | 851B | 540A |
| 1370 | ---- | ---- | ---- | 716N | 818 + | 102 | 1.000 | ---- | ---- | 2 | UNCH | 819B | 509A |
| 1380 | ---- | ---- | ---- | 616N | 718 + | 102 | 1.000 | ---- | ---- | 8 | UNCH | 719B | 412A |
| 1390 | ---- | ---- | ---- | 516N | 618 + | 102 | 1.000 | ---- | ---- | 2 | UNCH | 619B | 317A |
| 1395 | ---- | ---- | ---- | 448N | 550 + | 102 | 1.000 | ---- | ---- | 1 | UNCH | 551B | 253A |
| 1400 | ---- | ---- | ---- | 416N | 518 + | 102 | 1.000 | ---- | ---- | 14 | UNCH | 519B | 227A |
| 1405 | ---- | ---- | ---- | 348N | 450 + | 102 | 1.000 | ---- | ---- | 2 | UNCH | 451B | 202A |
| 1410 | ---- | ---- | ---- | 316N | 418 + | 102 | 1.000 | ---- | ---- | 2 | UNCH | 419B | 143A |
| 1415 | ---- | ---- | ---- | 248N | 350 + | 102 | 1.000 | ---- | ---- | 4 | UNCH | 351B | 123A |
| 1420 | ---- | ---- | ---- | 216N | 318 + | 102 | 1.000 | ---- | ---- | 15 | UNCH | 319B | 105A |
| 1425 | ---- | ---- | ---- | 149N | 250 + | 101 | .999 | ---- | ---- | 37 | UNCH | 251B | 54A |
| 1430 | ---- | ---- | ---- | 119N | 218 + | 63 | .999 | ---- | 9 | 311 - | 8 | 219B | 40A |
| 1435 | ---- | ---- | ---- | 55N | 151 + | 60 | .984 | ---- | 37 | 348 - | 35 | 152B | 25A |
| 1440 | ---- | ---- | ---- | 33N | 120 + | 51 | .959 | ---- | 1570 | 1095 - | 859 | 121B | 15A |
| 1445 | ---- | ---- | ---- | 16N | 56 + | 40 | .858 | ---- | 331 | 920 - | 136 | 57B | 9A |
| 1450 | ---- | ---- | ---- | 8N | 33 + | 25 | .650 | ---- | 3673 | 2441 - | 1519 | 39B | 5 |
| 1455 | ---- | ---- | ---- | 4N | 18 + | 14 | .390 | ---- | 246 | 1044 - | 18 | 30B | 3 |
| 1460 | ---- | ---- | ---- | 2N | 9 + | 7 | .191 | ---- | 1796 | 2609 + | 833 | 22B | 2 |
| 1465 | ---- | ---- | ---- | 1N | 5 + | 4 | .091 | ---- | 308 | 1078 + | 146 | 17B | 1 |
| 1470 | ---- | ---- | ---- | 1N | 2 + | 1 | .031 | ---- | 352 | 476 + | 207 | 12B | 1A |
| 1475 | ---- | ---- | ---- | CAB | 1 + | 1 | .012 | ---- | 698 | 659 + | 574 | 9B | 1 |
| 1480 | ---- | ---- | ---- | CAB | 1 + | 1 | .009 | ---- | 95 | 691 + | 62 | 7B | 1 |
| 1485 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | 85 | 105 + | 85 | 5B | 1A |
| 1490 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 611 | UNCH | 4B | 1A |
| 1495 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | 3B | 1 |
| 1500 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 29 | UNCH | 3 | 1 |
| 1505 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | 2 | 1 |
| 1510 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | ---- | 1A |
| 1515 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 33 | UNCH | 2 | 1A |
| 1525 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 75 | UNCH | ---- | 1A |
| 1530 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | 1 | 1 |
| 1535 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 9200 | 12702 - | 668 | | |

10-YEAR WEEK1 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y WK1 NOTE P | | | | | | | | | | | | | |
| JUL18 | 10Y WK1 NOTE P | | | | | | | | | | | | |
| 1147 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 33 | UNCH | ---- | ---- |
| 1150 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 7 | UNCH | ---- | ---- |
| 1152 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1155 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1160 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 86 | UNCH | 1 | 1 |
| 1162 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 162 | UNCH | 1 | 1 |
| 1167 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 9 | UNCH | ---- | 1A |
| 1172 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | 3 | 1A |
| 1175 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | 72 | 1049 + | 72 | 4 | 1 |
| 1177 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1702 | UNCH | 5 | 1 |
| 1180 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 2990 | UNCH | 7 | 1 |
| 1182 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 1613 | UNCH | 10B | 1 |
| 1185 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | 57 | 5837 + | 1 | 13B | 1A |
| 1187 | ---- | ---- | ---- | 1N | CAB | ---- | .003 | ---- | 590 | 3415 + | 228 | 18 | 1 |
| 1190 | ---- | ---- | ---- | 2N | 1 - | 1 | .037 | ---- | 136 | 7969 - | 9 | 24B | 1 |
| 1192 | ---- | ---- | ---- | 3N | 1 - | 2 | .043 | ---- | 2001 | 6043 + | 993 | 31B | 2 |
| 1195 | ---- | ---- | ---- | 6N | 2 - | 4 | .084 | ---- | 2840 | 6556 + | 1289 | 40B | 3 |
| 1197 | ---- | ---- | ---- | 11N | 4 - | 7 | .158 | ---- | 2014 | 5165 + | 380 | 50B | 5A |
| 1200 | ---- | ---- | ---- | 18N | 8 - | 10 | .276 | ---- | 8675 | 6365 + | 3929 | 61B | 8 |
| 1202 | ---- | ---- | ---- | 28N | 14 - | 14 | .416 | ---- | 693 | 680 + | 506 | 109B | 14A |
| 1205 | ---- | ---- | ---- | 40N | 23 - | 17 | .559 | ---- | 10 | 28 + | 10 | 122B | 23A |
| 1207 | ---- | ---- | ---- | 53N | 33 - | 20 | .690 | ---- | 3 | 54 | UNCH | 136B | 33A |
| 1210 | ---- | ---- | ---- | 103N | 46 - | 21 | .781 | ---- | 1 | 120 | UNCH | 151B | 46A |
| 1212 | ---- | ---- | ---- | 118N | 59 - | 23 | .864 | ---- | 1 | 4 + | 1 | 202B | 59A |
| 1215 | ---- | ---- | ---- | 133N | 110 - | 23 | .902 | ---- | 1 | 3 + | 1 | 218B | 110A |
| 1217 | ---- | ---- | ---- | 149N | 125 - | 24 | .935 | ---- | ---- | 1 | UNCH | 234B | 125A |
| 1220 | ---- | ---- | ---- | 201N | 141 + | NEW | .942 | ---- | 3 | 3 + | 3 | 249B | 141A |
| 1222 | ---- | ---- | ---- | 217N | 156 - | 25 | .969 | ---- | 1 | 2 + | 1 | 301B | 156A |

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1225 | ---- | ---- | ---- | 233N | 208 - | 25 | .972 | ---- | ---- | 1 | UNCH | 317B | 208A |
| 1227 | ---- | ---- | ---- | 248N | 224 - | 24 | .974 | ---- | ---- | 1 | UNCH | 333B | 224A |
| 1252 | ---- | ---- | ---- | 516N | 455 - | 25 | 1.000 | ---- | ---- | 1 | UNCH | 561B | 458A |
| TOTAL | | | | | | | | | 17098 | 49921 + | 7405 | | |

## 10-YEAR WEEK2 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y WK2 NOTE P | | | | | | | | | | | | | |
| JUL18 | 10Y WK2 NOTE P | | | | | | | | | | | | |
| 1150 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1000 | UNCH | ---- | ---- |
| 1170 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 80 | UNCH | 1 | 1 |
| 1175 | ---- | ---- | ---- | CAB | CAB | ---- | .001 | ---- | ---- | 4 | UNCH | 1 | 1 |
| 1177 | ---- | ---- | ---- | 1N | CAB | ---- | .002 | ---- | ---- | 24 | UNCH | 1 | 1 |
| 1180 | ---- | ---- | ---- | 1N | 1 | UNCH | .027 | ---- | ---- | 90 | UNCH | ---- | 2A |
| 1182 | ---- | ---- | ---- | 1N | 1 | UNCH | .029 | ---- | 2 | 1286 + | 1 | 5 | 1 |
| 1185 | ---- | ---- | ---- | 2N | 1 - | 1 | .032 | ---- | ---- | 177 | UNCH | 7B | 3A |
| 1187 | ---- | ---- | ---- | 3N | 1 - | 2 | .036 | ---- | ---- | 3646 | UNCH | 10B | 2A |
| 1190 | ---- | ---- | ---- | 4N | 2 - | 2 | .066 | ---- | ---- | 837 | UNCH | 14B | 3A |
| 1192 | ---- | ---- | ---- | 7N | 3 - | 4 | .099 | ---- | 1387 | 1270 + | 897 | 20B | 4 |
| 1195 | ---- | ---- | ---- | 11N | 6 - | 5 | .170 | ---- | 1930 | 3229 + | 1586 | 28B | 6 |
| 1197 | ---- | ---- | ---- | 16N | 9 - | 7 | .241 | ---- | 637 | 2956 + | 517 | 37B | 9 |
| 1200 | ---- | ---- | ---- | 24N | 14 - | 10 | .335 | ---- | 1879 | 1804 + | 1491 | 47B | 14 |
| 1202 | ---- | ---- | ---- | 33N | 21 - | 12 | .440 | ---- | 607 | 539 + | 505 | 59B | 20A |
| 1205 | ---- | ---- | ---- | 44N | 29 - | 15 | .543 | ---- | 90 | 62 + | 61 | 108B | 29A |
| 1207 | ---- | ---- | ---- | 57N | 39 - | 18 | .641 | ---- | 1 | 3 | UNCH | 122B | 39A |
| 1210 | ---- | ---- | ---- | 106N | 50 - | 20 | .730 | ---- | 3 | 4 + | 3 | 136B | 50A |
| 1212 | ---- | ---- | ---- | 120N | 63 + | NEW | .797 | ---- | 1 | 1 + | 1 | 152B | 63A |
| 1215 | ---- | ---- | ---- | 135N | 113 - | 22 | .846 | ---- | ---- | 2 | UNCH | 163B | 113A |
| 1217 | ---- | ---- | ---- | 150N | 127 + | NEW | .892 | ---- | 3 | 1 + | 1 | 215B | 127A |
| 1220 | ---- | ---- | ---- | 202N | 142 - | 24 | .919 | ---- | ---- | 1 | UNCH | 230B | 142A |
| 1222 | ---- | ---- | ---- | 218N | 158 - | 24 | .926 | ---- | 1 | 1 + | 1 | 246B | 157A |
| 1227 | ---- | ---- | ---- | 249N | 225 + | NEW | .953 | ---- | 2 | 1 + | 1 | 313B | 225A |
| 1230 | ---- | ---- | ---- | 301N | 241 - | 24 | .956 | ---- | 1 | 6 + | 1 | 329B | 240A |
| 1235 | ---- | ---- | ---- | 333N | 308 - | 25 | .977 | ---- | ---- | 1 | UNCH | 361B | 308A |
| 1237 | ---- | ---- | ---- | 348N | 324 - | 24 | .978 | ---- | ---- | 1 | UNCH | 413B | 324A |
| TOTAL | | | | | | | | | 6544 | 17026 + | 5066 | | |

## 10-YEAR WEEK5 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10Y WK5 NOTE P | | | | | | | | | | | | | |
| JUN18 | 10Y WK5 NOTE P | | | | | | | | | | | | |
| 1155 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1157 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 7 | UNCH | ---- | ---- |
| 1167 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 96 | UNCH | 1 | 1A |
| 1170 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 5000 | UNCH | 1 | 1 |
| 1172 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1179 | UNCH | 2B | 1A |
| 1175 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 406 | UNCH | 3B | 1 |
| 1177 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 339 | UNCH | 4B | 1 |
| 1180 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 7593 | UNCH | 7B | 1 |
| 1182 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2048 | UNCH | 10B | 1 |
| 1185 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 7081 | UNCH | 14B | 1 |
| 1187 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 5054 | UNCH | 19B | 1 |
| 1190 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | 85 | 9037 - | 82 | 25B | 1 |
| 1192 | ---- | ---- | ---- | 1N | CAB | ---- | .000 | ---- | 124 | 8533 - | 32 | 33B | 2 |
| 1195 | ---- | ---- | ---- | 1N | CAB | ---- | .001 | ---- | 2022 | 5363 + | 1324 | 42B | 2 |
| 1197 | ---- | ---- | ---- | 4N | 1 - | 3 | .040 | ---- | 3264 | 9629 + | 783 | 53B | 1 |
| 1200 | ---- | ---- | ---- | 10N | 2 - | 8 | .106 | ---- | 17311 | 8272 + | 2355 | 101B | 2 |
| 1202 | ---- | ---- | ---- | 21N | 6 - | 15 | .327 | ---- | 7967 | 6280 + | 6186 | 113B | 6 |
| 1205 | ---- | ---- | ---- | 34N | 15 - | 19 | .619 | ---- | 231 | 231 + | 225 | 127B | 14A |
| 1207 | ---- | ---- | ---- | 49N | 26 - | 23 | .849 | ---- | 35 | 35 + | 33 | 142B | 27A |
| 1210 | ---- | ---- | ---- | 101N | 41 - | 24 | .923 | ---- | 3 | 18 + | 1 | 157B | 41A |
| 1212 | ---- | ---- | ---- | 116N | 56 - | 24 | .968 | ---- | ---- | 4 | UNCH | 208B | 56A |
| 1215 | ---- | ---- | ---- | 132N | 107 - | 25 | .998 | ---- | ---- | 3 | UNCH | 224B | 108A |
| 1222 | ---- | ---- | ---- | 216N | 155 - | 25 | 1.000 | ---- | 1 | 2 + | 1 | 307B | 155A |
| 1225 | ---- | ---- | ---- | 232N | 207 - | 25 | 1.000 | ---- | ---- | 1 | UNCH | 323B | 207A |
| 1232 | ---- | ---- | ---- | 316N | 255 - | 25 | 1.000 | ---- | ---- | 1 | UNCH | 406B | 255A |
| TOTAL | | | | | | | | | 31043 | 76213 + | 10794 | | |

## 5-YEAR WEEK1 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y WK1 NOTE P | | | | | | | | | | | | | |
| JUL18 | 5Y WK1 NOTE P | | | | | | | | | | | | |
| 1115 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | 10 | 5A |
| 1120 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 121 | UNCH | 20 | 10 |
| 1122 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 159 | UNCH | 35B | 5A |
| 1125 | ---- | ---- | ---- | 5N | CAB | ---- | .004 | ---- | ---- | 485 | UNCH | 60B | 5 |
| 1127 | ---- | ---- | ---- | 5N | 5 | UNCH | .028 | ---- | ---- | 1484 | UNCH | 95B | 15A |
| 1130 | ---- | ---- | ---- | 15N | 5 - | 1 | .035 | ---- | ---- | 517 | UNCH | 160B | 10A |
| 1132 | ---- | ---- | ---- | 45N | 20 - | 2 | .121 | ---- | 326 | 10014 + | 6 | 240B | 20A |
| 1135 | ---- | ---- | ---- | 110N | 50 - | 6 | .270 | ---- | 858 | 2763 + | 72 | 350B | 50 |
| 1137 | ---- | ---- | ---- | 210N | 120 - | 9 | .492 | ---- | 1336 | 1232 + | 1225 | 480B | 120A |
| 1140 | ---- | ---- | ---- | 340N | 220 - | 12 | .694 | ---- | 4 | 4 - | 1 | 620B | 220 |
| 1142 | ---- | ---- | ---- | 485N | 350 - | 13 | .828 | ---- | 1 | 6 + | 1 | 1140 | 355A |
| 1145 | ---- | ---- | ---- | 635N | 495 - | 14 | .903 | ---- | 2 | 6 + | 2 | 1285 | 500A |
| 1147 | ---- | ---- | ---- | 1150N | 1005 + | NEW | .951 | ---- | 1 | 1 + | 1 | 1435B | 1010A |
| 1150 | ---- | ---- | ---- | 1310N | 1165 - | 14 | .958 | ---- | ---- | 1 | UNCH | 1600B | 1165A |
| 1152 | ---- | ---- | ---- | 1470N | 1320 + | NEW | .979 | ---- | 1 | 1 + | 1 | 2115B | 1325A |
| 1160 | ---- | ---- | ---- | 2305N | 2155 - | 15 | .999 | ---- | ---- | 2 | UNCH | 2590B | 2160A |
| 1162 | ---- | ---- | ---- | 2465N | 2315 - | 15 | .999 | ---- | ---- | 1 | UNCH | 3130 | 2320A |
| TOTAL | | | | | | | | | 2529 | 16827 + | 1307 | | |

## 5-YEAR WEEK2 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y WK2 NOTE P | | | | | | | | | | | | | |
| JUL18 | 5Y WK2 NOTE P | | | | | | | | | | | | |
| 1125 | ---- | ---- | ---- | 10N | 5 | UNCH | .026 | ---- | ---- | 140 | UNCH | 30B | 15A |
| 1127 | ---- | ---- | ---- | 15N | 10 | UNCH | .051 | ---- | 27 | 291 + | 27 | 55B | 10A |
| 1130 | ---- | ---- | ---- | 35N | 20 - | 1 | .099 | ---- | 652 | 656 + | 633 | 110B | 20 |
| 1132 | ---- | ---- | ---- | 75N | 40 - | 3 | .185 | ---- | 3951 | 4099 + | 3952 | 185B | 40A |
| 1135 | ---- | ---- | ---- | 145N | 85 - | 6 | .328 | ---- | 83 | 595 + | 1 | 290B | 85 |
| 1137 | ---- | ---- | ---- | 245N | 155 - | 9 | .493 | ---- | ---- | 2 | UNCH | 415B | 160A |
| 1140 | ---- | ---- | ---- | 365N | 255 + | NEW | .648 | ---- | 501 | 501 + | 501 | 550B | 260A |
| 1160 | ---- | ---- | ---- | 2310N | 2160 + | NEW | .983 | ---- | 1 | 1 + | 1 | 2495B | 2165A |
| TOTAL | | | | | | | | | 5215 | 6285 + | 5115 | | |

## 5-YEAR WEEK5 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5Y WK5 NOTE P | | | | | | | | | | | | | |
| JUN18 | 5Y WK5 NOTE P | | | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 6 | UNCH | 2 | 2 |
| 1102 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 24 | UNCH | 2B | 2 |
| 1115 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 1110 | UNCH | 2 | 2 |
| 1117 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 14 | UNCH | 10 | 5A |
| 1120 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 2450 | UNCH | 15B | 2 |
| 1122 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 409 | UNCH | 25 | 5A |
| 1125 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 311 | UNCH | 45B | 10A |
| 1127 | ---- | ---- | ---- | CAB | CAB | ---- | ---- | ---- | ---- | 564 | UNCH | 80B | 2A |
| 1130 | ---- | ---- | ---- | CAB | CAB | ---- | .000 | ---- | ---- | 2242 | UNCH | 140B | 10 |
| 1132 | ---- | ---- | ---- | 10N | CAB | ---- | .003 | ---- | 4285 | 5834 + | 254 | 220B | 2 |
| 1135 | ---- | ---- | ---- | 60N | 10 - | 5 | .086 | ---- | 5679 | 1411 + | 988 | 330B | 10 |
| 1137 | ---- | ---- | ---- | 170N | 65 - | 10 | .485 | ---- | 598 | 504 + | 503 | 460B | 65A |
| 1140 | ---- | ---- | ---- | 315N | 180 - | 13 | .828 | ---- | 1 | 2 + | 1 | 610 | 185A |
| 1142 | ---- | ---- | ---- | 470N | 325 - | 14 | .948 | ---- | ---- | 1 | UNCH | 1120B | 330A |
| 1147 | ---- | ---- | ---- | 1145N | 635 - | 15 | .998 | ---- | ---- | 2 | UNCH | 1435B | 1000A |
| 1152 | ---- | ---- | ---- | 1465N | 1315 - | 15 | 1.000 | ---- | ---- | 2 | UNCH | 2110B | 1320A |
| 1155 | ---- | ---- | ---- | 1625N | 1475 - | 15 | 1.000 | ---- | ---- | 2 | UNCH | 2295 | 1480A |
| 1157 | ---- | ---- | ---- | 2145N | 1635 - | 15 | 1.000 | ---- | ---- | 1 | UNCH | 2430B | 2000A |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.
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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1160 | ---- | ---- | ---- | 2305N | 2155 - | 15 | 1.000 | ---- | ---- | 3 | UNCH | 2590B | 2160A |
| TOTAL | | | | | | | | | 10563 | 14892 + | 1746 | | |

2-YEAR WEEK1 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2Y WK1 NOTE P | | | | | | | | | | | | |
| JUL18 | 2Y WK1 NOTE P | | | | | | | | | | | |
| 1053 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 30 | UNCH | 5 | 5 |
| TOTAL | | | | | | | | 0 | 30 | | | |

2-YEAR WEEK5 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2Y WK5 NOTE P | | | | | | | | | | | | |
| JUN18 | 2Y WK5 NOTE P | | | | | | | | | | | |
| 1055 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 38 | UNCH | 5 | 5 |
| 1057 | ---- | ---- | ---- | CAB | CAB ---- | .003 | ---- | ---- | 500 | UNCH | 40B | 5A |
| 1058 | ---- | ---- | ---- | 20N | 5 - 1 | .104 | ---- | ---- | 1 | UNCH | 85B | 10A |
| TOTAL | | | | | | | | 0 | 539 | | | |

30-YEAR WEEK1 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y WK1 BOND P | | | | | | | | | | | | |
| JUL18 | 30Y WK1 BOND P | | | | | | | | | | | |
| 1330 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 46 | UNCH | ---- | ---- |
| 1350 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 31 | UNCH | 1 | 1 |
| 1355 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 4 | UNCH | 1 | 1A |
| 1360 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 65 | UNCH | 2 | 1 |
| 1365 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 386 | UNCH | 1 | 1 |
| 1370 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 98 | UNCH | 1 | 1 |
| 1375 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 83 | UNCH | 2 | 2A |
| 1380 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 300 | UNCH | 5 | 1 |
| 1385 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 382 | UNCH | 7 | 1 |
| 1390 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 355 | UNCH | 11B | 1 |
| 1395 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 199 | UNCH | 15B | 2A |
| 1400 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 208 | UNCH | 19B | 2 |
| 1405 | ---- | ---- | ---- | 1N | CAB ---- | .001 | ---- | ---- | 131 | UNCH | 26B | 1 |
| 1410 | ---- | ---- | ---- | 1N | 1 UNCH | .015 | ---- | 51 | 3276 - | 10 | 34B | 1 |
| 1415 | ---- | ---- | ---- | 2N | 1 - 1 | .016 | ---- | 18 | 88 + | 6 | 44B | 1 |
| 1420 | ---- | ---- | ---- | 4N | 2 - 2 | .032 | ---- | 30 | 885 + | 29 | 57B | 2A |
| 1425 | ---- | ---- | ---- | 6N | 2 - 4 | .037 | ---- | 152 | 527 + | 138 | 108B | 1 |
| 1430 | ---- | ---- | ---- | 11N | 4 - 7 | .071 | ---- | 51 | 636 + | 13 | 125B | 3 |
| 1435 | ---- | ---- | ---- | 19N | 7 - 12 | .120 | ---- | 56 | 2629 + | 10 | 145B | 7A |
| 1440 | ---- | ---- | ---- | 31N | 12 - 19 | .195 | ---- | 245 | 1714 + | 43 | 203B | 11 |
| 1445 | ---- | ---- | ---- | 48N | 20 - 28 | .298 | ---- | 102 | 178 + | 82 | 227B | 20 |
| 1450 | ---- | ---- | ---- | 104N | 32 - 36 | .423 | ---- | 355 | 305 + | 250 | 254B | 32A |
| 1455 | ---- | ---- | ---- | 129N | 49 - 44 | .554 | ---- | 31 | 35 + | 31 | 317B | 48A |
| 1460 | ---- | ---- | ---- | 156N | 105 - 51 | .675 | ---- | 4 | 7 + | 2 | 346B | 105A |
| 1465 | ---- | ---- | ---- | 222N | 129 - 56 | .774 | ---- | ---- | 1 | UNCH | 412B | 129A |
| 1470 | ---- | ---- | ---- | 252N | 156 - 60 | .845 | ---- | ---- | 3 | UNCH | 443B | 155A |
| 1475 | ---- | ---- | ---- | 319N | 221 - 62 | .892 | ---- | 1 | 3 + | 1 | 510B | 220A |
| 1480 | ---- | ---- | ---- | 350N | 251 - 63 | .924 | ---- | 1 | 5 + | 1 | 541B | 250A |
| 1485 | ---- | ---- | ---- | 417N | 318 - 63 | .942 | ---- | ---- | 7 | UNCH | 608B | 316A |
| 1490 | ---- | ---- | ---- | 449N | 349 - 100 | .958 | ---- | ---- | 2 | UNCH | 640B | 347A |
| 1495 | ---- | ---- | ---- | 517N | 416 - 101 | .972 | ---- | 1 | 21 - | 1 | 708B | 415A |
| 1500 | ---- | ---- | ---- | 549N | 447 - 102 | .985 | ---- | 1 | 12 + | 1 | 739B | 446A |
| 1505 | ---- | ---- | ---- | 616N | 515 - 101 | .986 | ---- | 1 | 6 | UNCH | 807B | 514A |
| 1510 | ---- | ---- | ---- | 648N | 547 - 101 | .987 | ---- | 1 | 3 + | 1 | 839B | 546A |
| 1520 | ---- | ---- | ---- | 748N | 646 - 102 | .999 | ---- | ---- | 1 | UNCH | 939B | 645A |
| TOTAL | | | | | | | | 1101 | 12632 + | 597 | | |

30-YEAR WEEK2 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y WK2 BOND P | | | | | | | | | | | | |
| JUL18 | 30Y WK2 BOND P | | | | | | | | | | | |
| 1355 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 3 | UNCH | 1 | 1 |
| 1360 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 43 | UNCH | 1 | 1 |
| 1365 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 1370 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 300 | UNCH | ---- | ---- |
| 1375 | ---- | ---- | ---- | CAB | CAB ---- | .000 | ---- | ---- | 134 | UNCH | 2 | 1 |
| 1380 | ---- | ---- | ---- | 1N | CAB ---- | .000 | ---- | 75 | 138 - | 12 | 2 | 2A |
| 1385 | ---- | ---- | ---- | 1N | CAB ---- | .001 | ---- | 75 | 76 + | 25 | 1 | 1 |
| 1390 | ---- | ---- | ---- | 1N | 1 UNCH | .012 | ---- | 50 | 151 + | 50 | 1 | 1 |
| 1395 | ---- | ---- | ---- | 2N | 1 + NEW | .013 | ---- | 50 | 50 + | 50 | ---- | 1A |
| 1400 | ---- | ---- | ---- | 2N | 1 - 1 | .014 | ---- | 200 | 282 + | 200 | 8 | 1 |
| 1405 | ---- | ---- | ---- | 3N | 1 - 2 | .015 | ---- | ---- | 206 | UNCH | 10B | 2A |
| 1410 | ---- | ---- | ---- | 4N | 2 - 2 | .029 | ---- | 100 | 319 + | 100 | 15B | 2A |
| 1415 | ---- | ---- | ---- | 6N | 3 - 3 | .043 | ---- | 26 | 84 + | 25 | 21B | 3A |
| 1420 | ---- | ---- | ---- | 8N | 4 - 4 | .059 | ---- | 49 | 783 + | 26 | 30B | 4A |
| 1425 | ---- | ---- | ---- | 13N | 6 - 7 | .086 | ---- | 34 | 39 + | 24 | 40B | 6A |
| 1430 | ---- | ---- | ---- | 21N | 10 - 11 | .134 | ---- | 11 | 46 + | 10 | 54B | 10A |
| 1435 | ---- | ---- | ---- | 31N | 15 - 16 | .190 | ---- | 45 | 151 - | 22 | 106B | 15A |
| 1440 | ---- | ---- | ---- | 44N | 22 - 22 | .261 | ---- | 1 | 321 + | 1 | 124B | 22A |
| 1445 | ---- | ---- | ---- | 60N | 32 - 28 | .347 | ---- | 68 | 29 - | 39 | 146B | 32A |
| 1450 | ---- | ---- | ---- | 115N | 46 - 33 | .443 | ---- | 158 | 140 + | 58 | 207B | 45 |
| 1455 | ---- | ---- | ---- | 138N | 62 - 40 | .539 | ---- | 103 | 104 + | 102 | 234B | 61A |
| 1460 | ---- | ---- | ---- | 200N | 117 - 47 | .631 | ---- | 1 | 11 + | 1 | 262B | 117A |
| 1465 | ---- | ---- | ---- | 227N | 139 + NEW | .715 | ---- | 2 | 2 + | 2 | 327B | 139A |
| 1480 | ---- | ---- | ---- | 352N | 256 - 60 | .875 | ---- | ---- | 8 | UNCH | 451B | 255A |
| 1485 | ---- | ---- | ---- | 419N | 321 + NEW | .910 | ---- | 6 | 6 + | 6 | 519B | 320A |
| 1490 | ---- | ---- | ---- | 450N | 351 + NEW | .934 | ---- | 2 | 2 + | 2 | 550B | 350A |
| 1495 | ---- | ---- | ---- | 518N | 418 - 100 | .948 | ---- | ---- | 1 | UNCH | 618B | 417A |
| 1505 | ---- | ---- | ---- | 618N | 517 - 101 | .964 | ---- | ---- | 1 | UNCH | 717B | 515A |
| 1510 | ---- | ---- | ---- | 649N | 548 - 101 | .975 | ---- | ---- | 1 | UNCH | 749B | 547A |
| 1530 | ---- | ---- | ---- | 848N | 747 - 101 | .988 | ---- | ---- | 2 | UNCH | 949B | 746A |
| 1540 | ---- | ---- | ---- | 948N | 847 + NEW | .989 | ---- | 1 | 1 + | 1 | 1046B | 845A |
| TOTAL | | | | | | | | 1057 | 3464 + | 610 | | |

30-YEAR WEEK5 NOTE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30Y WK5 BOND P | | | | | | | | | | | | |
| JUN18 | 30Y WK5 BOND P | | | | | | | | | | | |
| 1340 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 4 | UNCH | 1 | 1A |
| 1345 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 70 | UNCH | 1 | 1A |
| 1350 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 17 | UNCH | 2B | 1 |
| 1355 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 8 | UNCH | 2B | ---- |
| 1370 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 265 | UNCH | 4 | 1 |
| 1375 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 20 | UNCH | 4B | 1A |
| 1380 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 4069 | UNCH | 6B | 1A |
| 1385 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 75 | UNCH | 9 | 1 |
| 1390 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 329 | UNCH | 12B | 1 |
| 1395 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 773 | UNCH | 16B | 1A |
| 1400 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 2026 | UNCH | 21B | 2A |
| 1405 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 152 | UNCH | 29B | 1 |
| 1410 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | ---- | 114 | UNCH | 38B | 1A |
| 1415 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | 10 | 1612 - | 8 | 50B | 1 |
| 1420 | ---- | ---- | ---- | CAB | CAB ---- | ---- | ---- | 1 | 337 - | 1 | 100B | 1 |
| 1425 | ---- | ---- | ---- | 1N | CAB ---- | .000 | ---- | 41 | 373 + | 27 | 116B | 1 |
| 1430 | ---- | ---- | ---- | 3N | CAB ---- | .000 | ---- | 220 | 876 + | 57 | 135B | 1 |
| 1435 | ---- | ---- | ---- | 7N | 1 - 6 | .015 | ---- | 716 | 1466 + | 274 | 157B | 1 |
| 1440 | ---- | ---- | ---- | 17N | 2 - 15 | .040 | ---- | 1127 | 1006 + | 314 | 217B | 2 |
| 1445 | ---- | ---- | ---- | 32N | 6 - 26 | .141 | ---- | 978 | 691 + | 449 | 242B | 5 |
| 1450 | ---- | ---- | ---- | 56N | 15 - 41 | .349 | ---- | 1116 | 760 + | 706 | 306B | 14 |
| 1455 | ---- | ---- | ---- | 120N | 32 - 52 | .609 | ---- | 57 | 60 + | 51 | 335B | 31A |
| 1460 | ---- | ---- | ---- | 150N | 55 - 59 | .808 | ---- | 6 | 4 + | 3 | 401B | 54A |
| 1465 | ---- | ---- | ---- | 217N | 119 - 62 | .908 | ---- | 3 | 2 - | 2 | 431B | 117A |
| 1470 | ---- | ---- | ---- | 249N | 148 - 101 | .968 | ---- | 2 | 1 - | 1 | 462B | 147A |
| 1475 | ---- | ---- | ---- | 316N | 215 - 101 | .987 | ---- | 4 | 6 + | 3 | 530B | 214A |
| 1480 | ---- | ---- | ---- | 348N | 247 - 101 | .990 | ---- | ---- | 7 | UNCH | 561B | 246A |

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1485 | ---- | ---- | ---- | 416N | 314 - | 102 | .999 | ---- | ---- | 1 | UNCH | 629B | 314A |
| 1490 | ---- | ---- | ---- | 448N | 346 - | 102 | .999 | ---- | ---- | 2 | UNCH | 660B | 345A |
| 1495 | ---- | ---- | ---- | 516N | 414 - | 102 | 1.000 | ---- | 1 | 3 + | 1 | 728B | 413A |
| 1500 | ---- | ---- | ---- | 548N | 446 - | 102 | 1.000 | ---- | ---- | 1 | UNCH | 760B | 445A |
| 1505 | ---- | ---- | ---- | 616N | 514 - | 102 | 1.000 | ---- | ---- | 2 | UNCH | 828B | 513A |
| 1515 | ---- | ---- | ---- | 716N | 614 - | 102 | 1.000 | ---- | ---- | 1 | UNCH | 927B | 613A |
| TOTAL | | | | | | | | | 4282 | 15133 + | 1873 | | |

## ADDITIONAL CBT FINANCIAL OPTIONS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WBW OPT | | | | | | | | | | | | | |
| JUN18 | WBW OPT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1385 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 3868 | ---- | ---- |
| 1390 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 389 | ---- | ---- |
| 1395 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 268 | ---- | ---- |
| 1405 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 2086 | ---- | .2A |
| 1415 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 10 | .1 | .1 |
| 1420 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 190 | .6B | .3A |
| 1420 | ---- | ---- | ---- | .216N | .318+ | .10 | 1.000 | 30 | ---- | ---- | 30 | .317B | .117A |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 192 | .15B | .1 |
| 1425 | ---- | ---- | ---- | .148N | .250+ | .10 | 1.000 | 4 | ---- | ---- | 4 | .249B | .55A |
| 1430 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 287 | .25B | .2 |
| 1430 | ---- | ---- | ---- | .116N | .218+ | .10 | 1.000 | 29 | ---- | ---- | 29 | .217B | .34A |
| 1435 | ---- | ---- | ---- | .1N | CAB | ---- | ---- | ---- | 2 | ---- | 573 | .41B | .1A |
| 1435 | ---- | ---- | ---- | .49N | .150+ | .10 | 1.000 | 181 | ---- | ---- | 181 | .149B | .19 |
| 1440 | ---- | ---- | ---- | .7N | CAB | ---- | ---- | ---- | 104 | ---- | 378 | .63B | .5 |
| 1440 | ---- | ---- | ---- | .22N | .118+ | .9 | 1.000 | 125 | ---- | ---- | 125 | .117B | .10 |
| 1445 | ---- | ---- | ---- | .7N | .50+ | .4 | 1.000 | 390 | 11 | ---- | 398 | .49B | .5 |
| 1445 | ---- | ---- | ---- | .23N | CAB | ---- | ---- | ---- | 1432 | ---- | 127 | .126B | .18A |
| 1450 | ---- | ---- | ---- | .49N | CAB | ---- | ---- | ---- | 583 | ---- | 1 | .155B | .39A |
| 1450 | ---- | ---- | ---- | .2N | .18+ | .1 | 1.000 | 738 | 921 | ---- | 236 | .31B | .1 |
| 1455 | ---- | ---- | ---- | .116N | .14- | .10 | 1.000 | 3 | 1 | ---- | 3 | .218B | .15A |
| 1455 | ---- | ---- | ---- | .1N | CAB | ---- | ---- | ---- | 472 | ---- | 72 | .20B | .1 |
| 1460 | ---- | ---- | ---- | .148N | .46- | .10 | 1.000 | 1 | ---- | ---- | 1 | .250B | .47A |
| 1460 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 350 | ---- | 190 | .12B | .1A |
| 1465 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 37 | .7B | .1A |
| 1470 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 10 | .4B | .1 |
| 1480 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 200 | .2B | ---- |
| TOTAL | | | | | | | | | 3876 | 0 - | 9885 | | |
| JUL18 | WBW OPT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1425 | ---- | ---- | ---- | .3N | .1 | UNCH | .019 | ---- | ---- | 1 | UNCH | .4 | .1A |
| 1430 | ---- | ---- | ---- | .5N | .1 | UNCH | .022 | ---- | 7 | 7 + | 7 | .10B | .2A |
| 1435 | ---- | ---- | ---- | .11N | .2 | UNCH | .048 | ---- | 36 | 35 + | 34 | .32B | .2 |
| 1440 | ---- | ---- | ---- | .22N | .5- | .1 | .115 | ---- | 12 | 9 + | 8 | .37B | .5A |
| 1445 | ---- | ---- | ---- | .23N | .61+ | .3 | .768 | ---- | 36 | 174 + | 24 | .60B | .19 |
| 1445 | ---- | ---- | ---- | .39N | .11 | NEW | .231 | ---- | 36 | 36 + | 36 | .45B | .11A |
| 1460 | ---- | ---- | ---- | .4N | .15 | NEW | .275 | ---- | 15 | 15 + | 15 | .14B | .4A |
| 1500 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | 112 | 112 + | 112 | ---- | ---- |
| TOTAL | | | | | | | | | 254 | 389 + | 236 | | |
| WFW OPT | | | | | | | | | | | | | |
| JUN18 | WFW OPT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1120 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 48 | ---- | ---- |
| 1125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 240 | ---- | .10A |
| 1130 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 730 | .30B | .15A |
| 1132 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1034 | .100B | .5 |
| 1132 | ---- | ---- | ---- | .175N | .325+ | .15 | 1.000 | 96 | ---- | ---- | 96 | .320B | .65A |
| 1135 | ---- | ---- | ---- | .30N | CAB | ---- | ---- | ---- | 585 | ---- | 137 | .220B | .2A |
| 1135 | ---- | ---- | ---- | .45N | .165+ | .12 | 1.000 | 633 | 7 | ---- | 635 | .160B | .25A |
| 1137 | ---- | ---- | ---- | .150N | CAB | ---- | ---- | ---- | 50 | ---- | 3 | .365B | .2 |
| 1137 | ---- | ---- | ---- | .5N | .5 | UNCH | 1.000 | 1996 | 664 | ---- | 2035 | .80B | .5 |
| 1140 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1676 | .40B | .5A |
| 1142 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1172 | .20 | .2A |
| 1145 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 74 | .10B | .2A |
| 1147 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1083 | .5 | .5 |
| TOTAL | | | | | | | | | 1306 | 0 - | 8963 | | |
| JUL18 | WFW OPT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1132 | ---- | ---- | ---- | .20N | .5 | NEW | .043 | ---- | 753 | 753 + | 753 | .55 | .10 |
| 1135 | ---- | ---- | ---- | .95N | .190+ | .9 | .805 | ---- | 66 | 431 + | 66 | .175B | .50 |
| 1137 | ---- | ---- | ---- | .40N | .90+ | .5 | .510 | ---- | ---- | 730 | UNCH | .80B | .25A |
| 1140 | ---- | ---- | ---- | .15N | .40+ | .2 | .249 | ---- | ---- | 365 | UNCH | .35B | .15 |
| TOTAL | | | | | | | | | 819 | 2279 + | 819 | | |
| WYW OPT | | | | | | | | | | | | | |
| JUN18 | WYW OPT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1177 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 3000 | ---- | .1A |
| 1180 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 85 | ---- | .1A |
| 1182 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 177 | .1 | .1 |
| 1185 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1691 | ---- | .1A |
| 1187 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 2830 | .2 | .1 |
| 1190 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 2541 | .4 | .1A |
| 1192 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1557 | .8 | .1 |
| 1195 | ---- | ---- | ---- | .32N | .57+ | .25 | 1.000 | 1879 | ---- | ---- | 1879 | .56B | .13A |
| 1195 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 4879 | .16B | .1 |
| 1197 | ---- | ---- | ---- | .17N | .41+ | .24 | 1.000 | 2220 | ---- | ---- | 2220 | .40B | .6 |
| 1197 | ---- | ---- | ---- | .1N | CAB | ---- | ---- | ---- | 38 | ---- | 2410 | .26B | .1 |
| 1200 | ---- | ---- | ---- | .6N | .25+ | .19 | 1.000 | 4149 | 818 | ---- | 4127 | .24B | .4A |
| 1200 | .14$ | CAB | CAB | .14$ | CAB | ---- | ---- | ---- | 7422 | ---- | 3476 | .36B | .6 |
| 1202 | ---- | ---- | ---- | .1N | .9+ | .8 | 1.000 | 3183 | 2344 | ---- | 3826 | .16B | .1 |
| 1202 | ---- | ---- | ---- | .17N | CAB | ---- | ---- | ---- | 2108 | ---- | 2 | .51B | .15A |
| 1205 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 1770 | ---- | 1860 | .10 | .1A |
| 1205 | ---- | ---- | ---- | .32N | .7- | .25 | 1.000 | 30 | ---- | ---- | 30 | .62B | .8A |
| 1207 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 757 | .6 | .1 |
| 1210 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 15 | ---- | 3956 | .4B | .1 |
| 1212 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 229 | .2 | .1 |
| 1215 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1036 | .2 | .1 |
| 1222 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 900 | ---- | ---- |
| TOTAL | | | | | | | | | 14515 | 0 - | 43468 | | |
| JUL18 | WYW OPT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1182 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1195 | ---- | ---- | ---- | .3N | CAB | ---- | .004 | ---- | 1000 | 1000 + | 1000 | .6B | .1A |
| 1197 | ---- | ---- | ---- | .7N | .1- | .6 | .061 | ---- | 2714 | 2407 + | 2231 | .12B | .2A |
| 1200 | ---- | ---- | ---- | .13N | .4- | .9 | .199 | ---- | 3008 | 4613 + | 2375 | .21B | .4A |
| 1200 | ---- | ---- | ---- | .13N | .29+ | .16 | .800 | ---- | 1530 | 3484 + | 1267 | .29B | .12A |

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| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1202 | ---- | ---- | ---- | .24N | | .10 | NEW | .390 | ---- | 1195 | 1000 + | 1000 | .32B | .9A |
| 1202 | ---- | ---- | ---- | .8N | | .19+ | .11 | .609 | ---- | 1166 | 1333 + | 752 | .18B | .7A |
| 1205 | ---- | ---- | ---- | .4N | | .11+ | .7 | .416 | ---- | 31 | 345 + | 26 | .10B | .4 |
| 1207 | ---- | ---- | ---- | .50N | | .29 | NEW | .748 | ---- | 1 | 1 + | 1 | .60B | .29A |
| 1207 | ---- | ---- | ---- | .2N | | .6 | NEW | .251 | ---- | 1525 | 1307 + | 1307 | .6 | .3A |
| 1210 | ---- | ---- | ---- | .1N | | .3+ | .2 | .134 | ---- | 2389 | 2389 + | 2353 | .3 | .2A |
| 1220 | ---- | ---- | ---- | ---- | CAB | | ---- | .002 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1222 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | 17 | 17 + | 17 | ---- | ---- |
| 1230 | ---- | ---- | ---- | .300N | | .239- | .25 | 1.000 | ---- | ---- | 1 | UNCH | .301B | .239A |
| TOTAL | | | | | | | | | | 14576 | 17948 + | 12329 | | |

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OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| 5Y NOTE CALL | 5-YR NOTE OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| FP | 1137 | ---- | 8000 | 8000 | ---- | ---- | 0.00 |
| FP | 1150 | ---- | ---- | 12500 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 8000 | 20500 | 0 | 0 | 0 |
| 5Y NOTE PUT | 5-YR NOTE OPTIONS | | | | | | |
| AUG18 PUT | | | | | | | |
| FP | 1187 | ---- | ---- | ---- | ---- | 67 | 0.00 |
| FP | 1190 | ---- | ---- | ---- | ---- | 46 | 0.00 |
| FP | 1195 | ---- | ---- | ---- | ---- | 38 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 151 | 0 |
| SEP18 PUT | | | | | | | |
| FP | 1192 | ---- | ---- | ---- | ---- | 1 | 0.00 |
| FP | 1202 | ---- | ---- | ---- | ---- | 18 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 19 | 0 |
| 10Y NOTE CALL | 10-YR NOTE OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| TC | 1200 | ---- | ---- | 17395 | ---- | ---- | 0.00 |
| TC | 1210 | ---- | ---- | 17395 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 34790 | 0 | 0 | 0 |
| 10Y NOTE PUT | 10-YR NOTE OPTIONS | | | | | | |
| SEP18 PUT | | | | | | | |
| TC | 1170 | ---- | ---- | 3750 | ---- | ---- | 0.00 |
| TC | 1180 | ---- | ---- | 1875 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 5625 | 0 | 0 | 0 |
| 30Y BOND CALL | 30-YR BOND OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| CG | 1280 | ---- | ---- | ---- | ---- | 2 | 0.00 |
| CG | 1290 | ---- | ---- | ---- | ---- | 1 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 3 | 0 |
| SEP18 CALL | | | | | | | |
| CG | 1200 | ---- | ---- | ---- | ---- | 3 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 3 | 0 |
| 30Y BOND PUT | 30-YR BOND OPTIONS | | | | | | |
| AUG18 PUT | | | | | | | |
| CG | 1580 | ---- | ---- | ---- | ---- | 1 | 0.00 |
| CG | 1590 | ---- | ---- | ---- | ---- | 2 | 0.00 |
| CG | 1600 | ---- | ---- | ---- | ---- | 5 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 8 | 0 |
| SEP18 PUT | | | | | | | |
| CG | 1630 | ---- | ---- | ---- | ---- | 2 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 2 | 0 |
| WBW OPT | WK WEDS 30 YR TREASURY BOND OPTIONS | | | | | | |
| JUN18 CALL | | | | | | | |
| WB4 | 1420 | ---- | ---- | ---- | 30 | 30 | 0.00 |
| WB4 | 1425 | ---- | ---- | ---- | 4 | 4 | 0.00 |
| WB4 | 1430 | ---- | ---- | ---- | 29 | 29 | 0.00 |
| WB4 | 1435 | ---- | ---- | ---- | 181 | 181 | 0.00 |
| WB4 | 1440 | ---- | ---- | ---- | 125 | 125 | 0.00 |
| WB4 | 1445 | ---- | ---- | ---- | 390 | 390 | 0.00 |
| WB4 | 1450 | ---- | ---- | ---- | 738 | 738 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 1497 | 1497 | 0 |
| WBW OPT | WK WEDS 30 YR TREASURY BOND OPTIONS | | | | | | |
| JUN18 PUT | | | | | | | |
| WB4 | 1455 | ---- | ---- | ---- | 3 | 3 | 0.00 |
| WB4 | 1460 | ---- | ---- | ---- | 1 | 1 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 4 | 4 | 0 |
| WYW OPT | WK WEDS 10 YR TREASURY NOTE OPTIONS | | | | | | |
| JUN18 CALL | | | | | | | |
| WY4 | 1195 | ---- | ---- | ---- | 1879 | 1879 | 0.00 |
| WY4 | 1197 | ---- | ---- | ---- | 2220 | 2220 | 0.00 |
| WY4 | 1200 | ---- | ---- | ---- | 4149 | 4149 | 0.00 |
| WY4 | 1202 | ---- | ---- | ---- | 3183 | 3183 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 11431 | 11431 | 0 |
| WYW OPT | WK WEDS 10 YR TREASURY NOTE OPTIONS | | | | | | |
| JUN18 PUT | | | | | | | |
| WY4 | 1205 | ---- | ---- | ---- | 30 | 30 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 30 | 30 | 0 |

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INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE = GSCI = $6.25, PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

GSCI CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 |
|---|---|---|---|---|---|---|---|
| GSCI ER FUT | 06/15 | 07/17 | 08/15 | 09/18 | 10/15 | 11/15 | 12/17 |

GSCI OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE = $12.50. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### NIKKEI 225 CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|
| NIKKEI 225 FUT | 06/07 | | | 09/13 | 12/13 | 03/07 | 06/13 |
| NIKKEI 225 OPT | 06/07 | 07/20 | 08/17 | 09/13 | 12/13 | 03/07 | 06/13 |

EXPIRATION:

### NIKKEI 225 OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|
| ON | 1600-2700 | 1900-2600 | 1900-2600 | 1600-2700 | 1700-2700 | 1700-2550 | 1900-2550 |

### NIKKEI 225 FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| NIKKEI ($) FUT | | | | | | | | | |
| SEP18 | 22310.00 | 22440.00 | 22125.00 | 22165.00 - 170 | ---- | 11740 | 29507 - 158 | 23040.00B | 20180.00 |
| DEC18 | ---- | 22300.00B | 22095.00A | 22035.00 - 170 | ---- | ---- | 2 UNCH | 22870.00B | 22055.00 |
| | | | | | 0 | 11740 | 29509 - 158 | | |

### ADDITIONAL NIKKEI FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| BTC FUT | | | | | | | | | |
| JUN18 | 6210.00 | 6210.00 | 5975.00 | 6160.00 UNCH | ---- | 3229 | 725 - 304 | 20040.00 | 5960.00 |
| JUL18 | 6190.00 | 6205.00B | *5970.00A | 6135.00 - 30.00 | ---- | 875 | 1542 + 315 | 9880.00B | 5970.00A |
| AUG18 | 6105.00 | 6175.00B | *5990.00A | 6140.00 - 30.00 | ---- | 8 | 30 UNCH | 7785.00B | 5990.00A |
| SEP18 | 6150.00 | 6200.00B | *6000.00 | 6150.00 - 25.00 | ---- | 71 | 382 - 19 | 9915.00B | 6000.00 |
| TOTAL BTC FUT | | | | | 0 | 4183 | 2679 - 8 | | |
| EI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | *502.40A | 503.70 - 10.40 | ---- | ---- | 5 UNCH | 547.50B | 502.40A |
| TOTAL EI FUT | | | | | 0 | 0 | 5 | | |
| ENY FUT | | | | | | | | | |
| SEP18 | 22330.00 | 22390.00B | 22110.00A | 22130.00 - 75.00 | ---- | 2 | 6 - 1 | 22940.00B | 22010.00A |
| TOTAL ENY FUT | | | | | 0 | 2 | 6 - 1 | | |
| FT1 FUT | | | | | | | | | |
| SEP18 | 7494.00 | 7574.00B | 7448.00A | 7512.50 + 10.50 | ---- | 160 | 5 UNCH | 7728.00B | 7423.00A |
| TOTAL FT1 FUT | | | | | 0 | 160 | 5 | | |
| FT5 FUT | | | | | | | | | |
| SEP18 | 19325.00 | 19405.00B | *18775.00A | 18815.00 - 55.00 | ---- | 101 | 155 + 3 | 21140.00B | 18775.00A |
| TOTAL FT5 FUT | | | | | 0 | 101 | 155 + 3 | | |
| FTU FUT | | | | | | | | | |
| SEP18 | 1069.80 | 1082.20B | *1067.90A | 1084.60 + 3.10 | ---- | 130 | 1 UNCH | 1121.10B | 1067.90A |
| TOTAL FTU FUT | | | | | 0 | 130 | 1 | | |
| RS1 FUT | | | | | | | | | |
| SEP18 | 1513.90 | 1527.30B | *1500.90 | 1501.30 - 13.60 | 150 | 839 | 10367 + 104 | 1555.60 | 1500.90 |
| TOTAL RS1 FUT | | | | | 150 | 839 | 10367 + 104 | | |
| RSG FUT | | | | | | | | | |
| SEP18 | 1454.70 | 1460.50B | *1430.70A | 1432.20 - 16.50 | 1864 | 306 | 4186 - 1856 | 1489.80B | 1430.70A |
| TOTAL RSG FUT | | | | | 1864 | 306 | 4186 - 1856 | | |
| RSV FUT | | | | | | | | | |
| SEP18 | 1190.90 | 1198.20B | 1181.60 | 1182.20 - 6.80 | ---- | 692 | 6207 - 169 | 1220.00 | 1181.30A |
| TOTAL RSV FUT | | | | | 0 | 692 | 6207 - 169 | | |
| SDA FUT | | | | | | | | | |
| DEC18 | 53.800 | 53.950 | 53.800 | 53.850 + 0.100 | ---- | 640 | 51008 - 90 | 54.550 | 44.000A |
| DEC19 | 56.500 | 56.550 | 56.450 | 56.400 UNCH | ---- | 190 | 24070 + 120 | 57.900 | 43.950A |
| DEC20 | 59.150 | 59.200B | 59.100A | 59.000 - 0.150 | ---- | 50 | 20336 + 30 | 61.350 | 43.900A |
| DEC21 | ---- | 61.700B | 61.450A | 61.350 - 0.200 | ---- | ---- | 7012 UNCH | 64.150B | 44.150A |
| DEC22 | ---- | 63.550B | 63.300A | 63.200 - 0.250 | ---- | ---- | 4595 UNCH | 66.250 | 56.400A |
| DEC23 | ---- | 65.250B | 64.900A | 64.750 - 0.350 | ---- | ---- | 1345 UNCH | 68.050B | 57.800A |
| DEC24 | ---- | 67.000B | 66.850A | 66.700 - 0.250 | ---- | ---- | 2175 UNCH | 69.700B | 59.800A |
| DEC25 | ---- | 68.750B | 68.600A | 68.450 - 0.250 | ---- | ---- | 640 UNCH | 71.150B | 60.650A |
| DEC26 | ---- | 70.750B | 70.500A | 70.350 - 0.300 | ---- | ---- | 985 UNCH | 72.800B | 62.150A |
| DEC27 | ---- | 72.800B | 72.500A | 72.350 - 0.350 | ---- | ---- | 818 UNCH | 74.400B | 63.900A |
| DEC28 | ---- | 74.950B | 74.600A | 74.450 - 0.350 | ---- | ---- | 40 UNCH | 76.550B | 71.500A |
| TOTAL SDA FUT | | | | | 0 | 880 | 113024 + 60 | | |
| SDI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 13.600 UNCH | ---- | ---- | 140 UNCH | 13.700 | 13.190A |
| DEC18 | ---- | ---- | ---- | 13.900 UNCH | ---- | ---- | 100 UNCH | 14.100B | 13.800 |
| MAR19 | ---- | ---- | ---- | 13.800 UNCH | ---- | ---- | 80 UNCH | 13.900 | 13.700 |
| JUN19 | ---- | ---- | ---- | 14.500 UNCH | ---- | ---- | 60 UNCH | 14.400B | 13.300A |
| TOTAL SDI FUT | | | | | 0 | 0 | 380 | | |
| TPY FUT | | | | | | | | | |
| SEP18 | 1722.50 | 1738.50B | 1718.00A | 1718.00 - 10.00 | ---- | 70 | 151 + 41 | 1800.00B | 1703.00A |
| TOTAL TPY FUT | | | | | 0 | 70 | 151 + 41 | | |
| TRI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 5347.00 - 47.00 | ---- | ---- | 10100 UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | 5385.50 - 47.00 | ---- | ---- | 29203 UNCH | ---- | ---- |
| MAR19 | ---- | ---- | ---- | 5420.50 - 47.00 | ---- | ---- | 46100 UNCH | ---- | ---- |
| JUN19 | ---- | ---- | ---- | 5463.50 - 47.00 | ---- | ---- | 12950 UNCH | ---- | ---- |
| TOTAL TRI FUT | | | | | 0 | 0 | 98353 | | |

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# EQUITY FLEX OPTIONS

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## FINAL



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### EQUITY FLEX OPTIONS CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|
| S&P 500 FUT | 06/14 | | | 09/20 | 12/20 | 03/14 | 06/20 |
| S&P 500 OPT | 06/14 | | | 09/20 | 12/20 | 03/14 | 06/20 |
| NIKKEI 225 FUT | 06/07 | | | 09/13 | 12/13 | 03/07 | 06/13 |
| NIKKEI 225 OPT | 06/07 | 07/20 | 08/17 | 09/13 | 12/13 | 03/07 | 06/13 |

EXPIRATION:

### EQUITY FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| S&P 500 FUT | | | | | | | | | |
| SEP18 | 2727.30 | 2733.30B | 2704.80A | 2704.90 - 2360 | 2362 | 135 | 55482 + 997 | 2881.40B | 2076.00A |
| DEC18 | ---- | ---- | ---- | 2708.10 - 2390 | ---- | ---- | 300 UNCH | 2886.80B | 1781.70A |
| | | | | | 2362 | 135 | 55782+ 997 | | |
| NIKKEI ($) FUT | | | | | | | | | |
| SEP18 | 22310.00 | 22440.00 | 22125.00 | 22165.00 - 170 | ---- | 11740 | 29507 - 158 | 23040.00B | 20180.00 |
| DEC18 | ---- | 22300.00B | 22095.00A | 22035.00 - 170 | ---- | ---- | 2 UNCH | 22870.00B | 22055.00 |
| | | | | | 0 | 11740 | 29509 - 158 | | |

### ADDITIONAL EQUITY FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| BTC FUT | | | | | | | | | |
| JUN18 | 6210.00 | 6210.00 | 5975.00 | 6160.00 + UNCH | ---- | 3229 | 725 - 304 | 20040.00 | 5960.00 |
| JUL18 | 6190.00 | 6205.00B | *5970.00A | 6135.00 - 30.00 | ---- | 875 | 1542 + 315 | 9880.00B | 5970.00A |
| AUG18 | 6105.00 | 6175.00B | *5990.00A | 6140.00 - 30.00 | ---- | 8 | 30 UNCH | 7785.00B | 5990.00A |
| SEP18 | 6150.00 | 6200.00B | *6000.00 | 6150.00 - 25.00 | ---- | 71 | 382 - 19 | 9915.00B | 6000.00 |
| TOTAL BTC FUT | | | | | 0 | 4183 | 2679- 8 | | |
| EI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | *502.40A | 503.70 - 10.40 | ---- | ---- | 5 UNCH | 547.50B | 502.40A |
| TOTAL EI FUT | | | | | 0 | 0 | 5 | | |
| ENY FUT | | | | | | | | | |
| SEP18 | 22330.00 | 22390.00B | 22110.00A | 22130.0 - 75.00 0 | ---- | 2 | 6 - 1 | 22940.00B | 22010.00A |
| TOTAL ENY FUT | | | | | 0 | 2 | 6- 1 | | |
| FT1 FUT | | | | | | | | | |
| SEP18 | 7494.00 | 7574.00B | 7448.00A | 7512.50 + 10.50 | ---- | 160 | 5 UNCH | 7728.00B | 7423.00A |
| TOTAL FT1 FUT | | | | | 0 | 160 | 5 | | |
| FT5 FUT | | | | | | | | | |
| SEP18 | 19325.00 | 19405.00B | *18775.00A | 18815.0 - 55.00 0 | ---- | 101 | 155 + 3 | 21140.00B | 18775.00A |
| TOTAL FT5 FUT | | | | | 0 | 101 | 155+ 3 | | |
| FTU FUT | | | | | | | | | |
| SEP18 | 1069.80 | 1082.20B | *1067.90A | 1084.60 + 3.10 | ---- | 130 | 1 UNCH | 1121.10B | 1067.90A |
| TOTAL FTU FUT | | | | | 0 | 130 | 1 | | |
| RS1 FUT | | | | | | | | | |
| SEP18 | 1513.90 | 1527.30B | *1500.90 | 1501.30 - 13.60 | 150 | 839 | 10367 + 104 | 1555.60 | 1500.90 |
| TOTAL RS1 FUT | | | | | 150 | 839 | 10367+ 104 | | |
| RSG FUT | | | | | | | | | |
| SEP18 | 1454.70 | 1460.50B | *1430.70A | 1432.20 - 16.50 | 1864 | 306 | 4186 - 1856 | 1489.80B | 1430.70A |
| TOTAL RSG FUT | | | | | 1864 | 306 | 4186- 1856 | | |
| RSV FUT | | | | | | | | | |
| SEP18 | 1190.90 | 1198.20B | 1181.60 | 1182.20 - 6.80 | ---- | 692 | 6207 - 169 | 1220.00 | 1181.30A |
| TOTAL RSV FUT | | | | | 0 | 692 | 6207- 169 | | |
| SDA FUT | | | | | | | | | |
| DEC18 | 53.800 | 53.950 | 53.800 | 53.850 + 0.100 | ---- | 640 | 51008 - 90 | 54.550 | 44.000A |
| DEC19 | 56.500 | 56.550 | 56.450 | 56.400 + UNCH | ---- | 190 | 24070 + 120 | 57.900 | 43.950A |
| DEC20 | 59.150 | 59.200B | 59.100A | 59.000 - 0.150 | ---- | 50 | 20336 + 30 | 61.350 | 43.900A |
| DEC21 | ---- | 61.700B | 61.450A | 61.350 - 0.200 | ---- | ---- | 7012 UNCH | 64.150B | 44.150A |
| DEC22 | ---- | 63.550B | 63.300A | 63.200 - 0.250 | ---- | ---- | 4595 UNCH | 66.250 | 56.400A |
| DEC23 | ---- | 65.250B | 64.900A | 64.750 - 0.350 | ---- | ---- | 1345 UNCH | 68.050B | 57.800A |
| DEC24 | ---- | 67.000B | 66.850A | 66.700 - 0.250 | ---- | ---- | 2175 UNCH | 69.700B | 59.800A |
| DEC25 | ---- | 68.750B | 68.600A | 68.450 - 0.250 | ---- | ---- | 640 UNCH | 71.150B | 60.650A |
| DEC26 | ---- | 70.750B | 70.500A | 70.350 - 0.300 | ---- | ---- | 985 UNCH | 72.800B | 62.150A |
| DEC27 | ---- | 72.800B | 72.500A | 72.350 - 0.350 | ---- | ---- | 818 UNCH | 74.400B | 63.900A |
| DEC28 | ---- | 74.950B | 74.600A | 74.450 - 0.350 | ---- | ---- | 40 UNCH | 76.550B | 71.500A |
| TOTAL SDA FUT | | | | | 0 | 880 | 113024+ 60 | | |
| SDI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 13.600 + UNCH | ---- | ---- | 140 UNCH | 13.700 | 13.190A |
| DEC18 | ---- | ---- | ---- | 13.900 + UNCH | ---- | ---- | 100 UNCH | 14.100B | 13.800 |
| MAR19 | ---- | ---- | ---- | 13.800 + UNCH | ---- | ---- | 80 UNCH | 13.900 | 13.700 |
| JUN19 | ---- | ---- | ---- | 14.500 + UNCH | ---- | ---- | 60 UNCH | 14.400B | 13.300A |
| TOTAL SDI FUT | | | | | 0 | 0 | 380 | | |
| TPY FUT | | | | | | | | | |
| SEP18 | 1722.50 | 1738.50B | 1718.00A | 1718.00 - 10.00 | ---- | 70 | 151 + 41 | 1800.00B | 1703.00A |
| TOTAL TPY FUT | | | | | 0 | 70 | 151+ 41 | | |
| TRI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 5347.00 - 47.00 | ---- | ---- | 10100 UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | 5385.50 - 47.00 | ---- | ---- | 29203 UNCH | ---- | ---- |
| MAR19 | ---- | ---- | ---- | 5420.50 - 47.00 | ---- | ---- | 46100 UNCH | ---- | ---- |
| JUN19 | ---- | ---- | ---- | 5463.50 - 47.00 | ---- | ---- | 12950 UNCH | ---- | ---- |
| TOTAL TRI FUT | | | | | 0 | 0 | 98353 | | |

### FLEX OPTIONS CALLS

| EXPIRATION DATE | STRIKE | UNDLY FUT DATE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SP EFLEX CALL | | | | | | | | | | | |
| SEP18 SP EFLEX CALL | | | | | | | | | | | |
| 09/21/18 | 10000 | 09/18 | ---- | ---- | ---- | ---- | 2,590.20- 2380 | .999 | ---- | 40 | 2167 + 40 |
| 09/21/18 | 210000 | 09/18 | ---- | ---- | ---- | ---- | 607.30- 2230 | .965 | ---- | 40 | 2167 + 40 |
| TOTAL | | | | | | | | | | 80 | 4334 + 80 |
| DEC18 SP EFLEX CALL | | | | | | | | | | | |
| 12/21/18 | 10000 | 12/18 | ---- | ---- | ---- | ---- | 2,577.60- 2360 | 1.000 | ---- | 50 | 929 + 50 |
| 12/21/18 | 20000 | 12/18 | ---- | ---- | ---- | ---- | 2,478.80- 2360 | .999 | ---- | ---- | 500 UNCH |
| 12/21/18 | 210000 | 12/18 | ---- | ---- | ---- | ---- | 617.00- 2120 | .932 | ---- | 50 | 929 + 50 |
| 12/21/18 | 220000 | 12/18 | ---- | ---- | ---- | ---- | 524.40- 2030 | .904 | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | 100 | 2858 + 100 |

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# EQUITY FLEX OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAR19 | | | | | | | | | | | | | |
| 03/15/19 | 10000 | 03/19 | ---- | ---- | ---- | ---- | 2,566.60- | 2330 | .999 | ---- | ---- | 140 | UNCH |
| 03/15/19 | 210000 | 03/19 | ---- | ---- | ---- | ---- | 630.10- | 2040 | .907 | ---- | ---- | 140 | UNCH |
| TOTAL | | | | | | | | | | | 0 | 280 | |

FLEX OPTIONS PUTS

| EXPIRATION DATE | STRIKE | UNDLY FUT DATE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP EFLEX PUT | | | | | | | | | | | | | |
| SEP18 | SP EFLEX PUT | | | | | | | | | | | | |
| 09/21/18 | 10000 | 09/18 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 40 | 2167 + | 40 |
| 09/21/18 | 210000 | 09/18 | ---- | ---- | ---- | ---- | 5.80+ | 115 | .034 | ---- | 40 | 2167 + | 40 |
| TOTAL | | | | | | | | | | | 80 | 4334 + | 80 |
| DEC18 | SP EFLEX PUT | | | | | | | | | | | | |
| 12/21/18 | 10000 | 12/18 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 50 | 929 + | 50 |
| 12/21/18 | 20000 | 12/18 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 500 | UNCH |
| 12/21/18 | 210000 | 12/18 | ---- | ---- | ---- | ---- | 16.00+ | 240 | .067 | ---- | 50 | 929 + | 50 |
| 12/21/18 | 220000 | 12/18 | ---- | ---- | ---- | ---- | 22.20+ | 330 | .095 | ---- | ---- | 500 | UNCH |
| TOTAL | | | | | | | | | | | 100 | 2858 + | 100 |
| MAR19 | SP EFLEX PUT | | | | | | | | | | | | |
| 03/15/19 | 10000 | 03/19 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 140 | UNCH |
| 03/15/19 | 210000 | 03/19 | ---- | ---- | ---- | ---- | 27.30+ | 300 | .092 | ---- | ---- | 140 | UNCH |
| TOTAL | | | | | | | | | | | 0 | 280 | |

OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES |
|---|---|---|---|---|---|---|
| MDV MID | S&P 500 WEDNESDAY WEEKLY OPTIONS | | | | | |
| JUN18 PUT | | | | | | |
| S4C | 2705 | ---- | ---- | ---- | 2 | 2 |
| S4C | 2710 | ---- | ---- | ---- | 1 | 1 |
| S4C | 2720 | ---- | ---- | ---- | 8 | 8 |
| S4C | 2725 | ---- | ---- | ---- | 140 | 140 |
| S4C | 2740 | ---- | ---- | ---- | 8 | 8 |
| TOTALS | | 0 | 0 | 0 | 159 | 159 |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



FOR PRODUCTS THAT ARE TRADED IN BOTH Open Outcry(RTH) AND on CME Globex (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT. LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST. SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $5.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

## HOUSING AND REAL ESTATE FUTURES & OPTIONS CONTRACTS LAST TRADE DATES

EXPIRATION:

## HOUSING AND REAL ESTATE OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | AUG18 | NOV18 | FEB19 | MAY19 | AUG19 | NOV19 | MAY20 | NOV20 | MAY21 | NOV21 | NOV22 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CHO | 85.0-195.0 | 90.0-205.0 | 95.0-200.0 | 90.0-195.0 | 95.0-195.0 | 95.0-205.0 | 100.0-200.0 | 95.0-205.0 | 100.0-200.0 | 100.0-205.0 | 100.0-205.0 |
| CSO | 160.0-280.0 | 165.0-280.0 | 175.0-280.0 | 165.0-280.0 | 180.0-285.0 | 170.0-285.0 | 175.0-285.0 | 170.0-290.0 | 190.0-290.0 | 175.0-295.0 | 185.0-295.0 |
| DNO | | 190.0-200.0 | | | | | | | | | |
| LXO | 210.0-335.0 | 200.0-335.0 | 225.0-335.0 | 210.0-340.0 | 230.0-340.0 | 205.0-345.0 | 220.0-345.0 | 215.0-350.0 | 245.0-350.0 | 225.0-350.0 | 235.0-350.0 |
| NYO | 135.0-250.0 | 140.0-260.0 | 150.0-255.0 | 140.0-255.0 | 155.0-255.0 | 145.0-260.0 | 150.0-255.0 | 150.0-260.0 | 160.0-260.0 | 155.0-265.0 | 155.0-265.0 |

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# E-MINI S&P 500 CALL OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT BOTH CME AND REGULAR TRADING HOURS SESSIONS. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $12.50 PRODCUT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### E-MINI S&P CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| EMINI S&P FUT | 06/15 | | | 09/21 | | | 12/21 | 03/15 | 06/21 |
| EOM EMINI S&P OPT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | | | |
| EOW1 EMINI S&P OPT | 06/01 | 07/06 | 08/03 | | | | | | |
| EOW2 EMINI S&P OPT | 06/08 | 07/13 | | | | | | | |
| EOW4 EMINI S&P OPT | 06/22 | 07/27 | | | | | | | |
| EMINI S&P OPT | 06/15 | | | 09/21 | | | 12/21 | 03/15 | 06/21 |

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|
| BTC FUT | 06/29 | 07/27 | 08/31 | 09/28 | | | | |
| | | 07/02 | | | | | | |
| | | 07/03 | | | | | | |
| | | 07/09 | | | | | | |
| | 06/27 | | | | | | | |
| EI FUT | | | | 09/21 | | | | |
| ENY FUT | | | | 09/13 | | | | |
| EOW3 MINI S&P OPT | | 07/20 | 08/17 | | 10/19 | | | |
| FT1 FUT | | | | 09/21 | | | | |
| FT5 FUT | | | | 09/21 | | | | |
| FTU FUT | | | | 09/21 | | | | |
| | | 07/06 | | | | | | |
| | | 07/13 | | | | | | |
| | | 07/20 | 08/17 | | 10/19 | | | |
| | | 07/27 | | | | | | |
| RS1 FUT | | | | 09/21 | | | | |
| RSG FUT | | | | 09/21 | | | | |
| RSV FUT | | | | 09/21 | | | | |
| | 06/29 | 07/31 | 08/31 | | | | | |
| SDA FUT | | | | | | 12/21 | | |
| SDI FUT | | | | 09/21 | | 12/21 | 03/15 | 06/21 |
| TPY FUT | | | | 09/13 | | | | |
| TRI FUT | | | | 09/21 | | 12/21 | 03/15 | 06/21 |

### E-MINI S&P OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| EW | 100-4225 | 100-4225 | 100-4225 | 100-4225 | 100-4225 | 100-4225 | | | |
| EW1 | 100-4200 | 100-4225 | 100-4225 | | | | | | |
| EW2 | 100-4200 | 100-4225 | | | | | | | |
| EW4 | 100-4225 | 100-4225 | | | | | | | |
| EZ | 100-4200 | | | 100-4225 | | | 100-4225 | 1150-4225 | 1225-4225 |

| | JUN18 | JUL18 | AUG18 | OCT18 |
|---|---|---|---|---|
| E1A | | 100-4225 | | |
| E1C | | 100-4225 | | |
| E2A | | 100-4225 | | |
| E4C | 100-4225 | | | |
| EW3 | | 100-4225 | 100-4225 | 100-4225 |
| R1E | | 725-2500 | | |
| R2E | | 725-2500 | | |
| R3E | | 725-2500 | 725-2500 | 725-2500 |
| R4E | | 725-2500 | | |
| RTM | 725-2500 | 725-2500 | 725-2500 | |

### E-MINI S&P FUTURES

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| EMINI S&P FUT | | | | | | | | | | |
| SEP18 | 2726.50 | 2748.00 | 2701.00 | ---- | 2704.90 - 2360 | 18856 | 2098830 | 2629776 + 3688 | 2889.00 | 2417.25A |
| DEC18 | 2730.25 | 2751.25 | 2704.50 | ---- | 2708.10 - 2390 | ---- | 4147 | 48920 + 1372 | 2894.75 | 2489.00A |
| MAR19 | 2731.75 | 2756.25B | 2712.00A | ---- | 2713.90 - 2390 | ---- | 2358 | 12538 + 2157 | 2890.50B | 2562.00A |
| JUN19 | 2740.00 | 2748.00B | 2734.00A | ---- | 2720.20 - 2390 | ---- | 1001 | 4002 + 1001 | 2805.00 | 2628.50A |
| TOTAL | EMINI S&P FUT | | | | | 18856 | 2106336 | 2695236 + 8218 | | |

E-MINI S&P 500 FIXING PRICE (ESF): Sep19 2702.24

### WK EW-W1 E-MINI S&P CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW1 MINI S&P C | | | | | | | | | | | |
| JUL18 | EOW1 MINI S&P C | | | | | | | | | | |
| 2305 | ---- | ---- | *406.00A | ---- | 400.20- 2350 | .993 | ---- | ---- | 1 UNCH | 469.00 | 406.00A |
| 2325 | ---- | ---- | *386.50A | ---- | 380.30- 2340 | .993 | ---- | ---- | 1 UNCH | 440.00 | 386.50A |
| 2565 | ---- | 179.75B | 144.25A | ---- | 143.10- 2230 | .937 | ---- | ---- | 1 UNCH | 229.00B | 142.75A |
| 2605 | ---- | 140.50B | *106.50A | ---- | 105.40- 2120 | .888 | ---- | ---- | 1 UNCH | 191.00B | 106.50A |
| 2625 | ---- | 123.50B | *87.75A | ---- | 87.30- 2030 | .848 | ---- | ---- | 2 UNCH | 172.75B | 87.75A |
| 2635 | ---- | 113.75B | *79.00A | ---- | 78.60- 1960 | .822 | ---- | ---- | 8 UNCH | 163.00B | 79.00A |
| 2645 | ---- | 104.25B | *70.50A | ---- | 70.10- 1880 | .792 | ---- | ---- | 1 UNCH | 153.50B | 70.50A |
| 2650 | ---- | 99.50B | *66.25A | ---- | 66.00- 1830 | .774 | ---- | ---- | 1 UNCH | 148.50B | 66.25A |
| 2655 | ---- | 94.75B | *62.25A | ---- | 61.90- 1790 | .757 | ---- | 2 | 3 + 2 | 143.75B | 62.25A |
| 2660 | ---- | 90.00B | *58.25A | ---- | 57.90- 1740 | .737 | ---- | 2 | 50 + 1 | 139.00B | 58.25A |
| 2665 | 63.25 | 85.50B | *54.25A | ---- | 53.90- 1700 | .717 | ---- | 3 | 4 + 1 | 134.25B | 54.25A |
| 2670 | 67.00 | 80.75B | *50.25A | ---- | 50.00- 1660 | .695 | ---- | 5 | 18 + 1 | 129.50B | 50.25A |
| 2675 | 71.75 | 76.00B | *46.50A | ---- | 46.30- 1600 | .672 | ---- | 1 | 2 - 1 | 124.75B | 46.50A |
| 2680 | ---- | 72.50B | *43.00A | ---- | 42.60- 1540 | .648 | ---- | 46 | 49 + 46 | 120.00B | 43.00A |
| 2685 | ---- | 68.00B | *39.50A | ---- | 39.10- 1480 | .622 | ---- | 1 | 2 + 1 | 115.25B | 39.50A |
| 2690 | ---- | 63.50B | *36.00A | ---- | 35.60- 1420 | .594 | ---- | 10 | 28 + 1 | 110.50B | 36.00A |
| 2695 | ---- | 59.00B | *32.50A | ---- | 32.30- 1350 | .565 | ---- | ---- | 3 UNCH | 105.75B | 32.50A |
| 2700 | 44.25 | 54.75B | *29.00 | ---- | 29.10- 1280 | .535 | ---- | 131 | 378 + 56 | 101.25B | 29.00 |
| 2705 | 27.00 | 50.50B | *26.25A | ---- | 26.10- 1200 | .503 | ---- | 9 | 383 + 1 | 96.50B | 26.25A |
| 2710 | 27.50 | 46.25B | *23.25A | ---- | 23.20- 1120 | .471 | ---- | 43 | 269 + 17 | 92.25B | 23.25A |
| 2715 | 23.00 | 42.25B | *20.50A | ---- | 20.40- 1050 | .437 | ---- | 180 | 248 + 6 | 87.50B | 20.50A |
| 2720 | 21.25 | 38.25B | *18.00 | ---- | 17.80- 970 | .402 | ---- | 1341 | 532 + 256 | 83.00B | 18.00 |
| 2725 | 23.50 | 34.50B | *15.50A | ---- | 15.40- 880 | .367 | ---- | 174 | 417 - 68 | 78.75B | 15.50A |
| 2730 | 17.25 | 30.75B | *13.00 | ---- | 13.20- 800 | .331 | ---- | 568 | 428 + 4 | 74.25B | 13.00 |
| 2735 | 14.75 | 27.00B | *11.00 | ---- | 11.20- 710 | .296 | ---- | 563 | 1133 + 233 | 70.00B | 11.00 |
| 2740 | 15.00 | 23.75B | *9.25A | ---- | 9.30- 630 | .260 | ---- | 1320 | 1129 + 300 | 65.75B | 9.25A |
| 2745 | 12.75 | 20.50B | *7.75A | ---- | 7.70- 540 | .226 | ---- | 592 | 1815 + 164 | 61.50B | 7.75A |
| 2750 | 10.50 | 17.50B | *6.25 | ---- | 6.30- 460 | .195 | ---- | 1095 | 1049 + 246 | 57.50B | 6.25 |
| 2755 | 6.75 | 14.75B | *4.95A | ---- | 5.10- 380 | .165 | ---- | 421 | 635 + 60 | 53.25B | 4.95A |
| 2760 | 7.50 | 12.25 | *3.50 | ---- | 4.05- 315 | .137 | ---- | 883 | 1212 + 367 | 49.50B | 3.50 |
| 2765 | 3.30 | 9.75B | *3.00A | ---- | 3.15- 255 | .112 | ---- | 441 | 1138 + 13 | 45.50B | 3.00A |
| 2770 | 4.95 | 8.00 | *2.25 | ---- | 2.45- 195 | .090 | ---- | 862 | 1210 - 188 | 41.75B | 2.25 |
| 2775 | 2.00 | 6.00B | *1.80 | ---- | 1.85- 155 | .071 | ---- | 342 | 1399 - 148 | 38.25B | 1.80 |
| 2780 | 2.00 | 4.75B | *1.35 | ---- | 1.40- 120 | .055 | ---- | 716 | 3517 + 243 | 34.75B | 1.35 |
| 2785 | 2.20 | 3.55B | *1.10A | ---- | 1.05- 90 | .043 | ---- | 1335 | 1245 - 227 | 31.25B | 1.10A |
| 2790 | 1.35 | 2.65B | *.85A | ---- | .75- 70 | .031 | ---- | 900 | 1710 - 194 | 28.25B | .85A |
| 2795 | 1.05 | 1.95 | *.65A | ---- | .55- 55 | .023 | ---- | 172 | 1549 - 79 | 25.25B | .65A |
| 2800 | 0.60 | 1.40 | *.45 | ---- | .40- 45 | .017 | ---- | 932 | 1829 - 209 | 22.25B | .45 |
| 2805 | 0.65 | 1.00B | *.35A | ---- | .30- 35 | .013 | ---- | 333 | 1732 + 281 | 19.75B | .35A |
| 2810 | 0.25 | .75B | *.25 | ---- | .25- 25 | .011 | ---- | 337 | 2977 - 4 | 17.25B | .25 |
| 2815 | 0.40 | .55B | *.20 | ---- | .15- 25 | .006 | ---- | 140 | 1478 - 140 | 15.00B | .20 |
| 2820 | 0.35 | .40B | *.20A | ---- | .15- 20 | .006 | ---- | 658 | 1675 + 498 | 13.00B | .20A |
| 2825 | 0.25 | .35 | *.20A | ---- | .10- 15 | .004 | ---- | 11 | 898 - 1 | 11.00B | .20A |
| 2830 | ---- | ---- | *.15A | ---- | .05- 20 | .002 | ---- | 627 | 1096 + 215 | 9.25B | .15A |
| 2835 | 0.15 | .20 | *.15 | ---- | .05- 15 | .001 | ---- | 100 | 1125 + 17 | 8.00B | .15 |
| 2840 | 0.10 | .10 | *.10 | ---- | .05- 10 | .001 | ---- | 549 | 1681 + 372 | 6.75B | .10 |
| 2845 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | 62 | 1049 UNCH | 5.50B | .15 |
| 2850 | ---- | ---- | *.10A | ---- | CAB ---- | .000 | ---- | ---- | 1015 UNCH | 4.75B | .10A |
| 2855 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 1486 UNCH | 3.95B | .15 |
| 2860 | 0.15 | .15 | .15 | ---- | CAB ---- | .000 | ---- | 4 | 532 UNCH | 3.35 | .15 |
| 2865 | ---- | ---- | ---- | ---- | CAB ---- | .000 | ---- | ---- | 610 UNCH | 2.80B | .10 |

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# E-MINI S&P 500 CALL OPTIONS



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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2870 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 100 | UNCH | 2.40B | .10 |
| 2875 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 110 | UNCH | 2.05B | .10 |
| 2880 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 182 | UNCH | 1.75B | .10A |
| 2885 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 53 | UNCH | 1.50B | .10A |
| 2890 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1058 | UNCH | 1.30B | .10A |
| 2895 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 2 | UNCH | 1.15B | .10A |
| 2900 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 405 | UNCH | 1.00B | .10A |
| 2905 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 400 | UNCH | .85B | .10A |
| 2910 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 250 | UNCH | .75B | .30 |
| 2915 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 200 | UNCH | .70B | .30 |
| 2920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 250 | UNCH | .65 | .15A |
| 2930 | 0.05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 4 | 7 + | 4 | .50B | .05 |
| 2935 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 188 | UNCH | .50 | .35A |
| 2940 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .45B | .10A |
| 2950 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .30B | .30A |
| 2975 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | .25B | .25A |
| 2980 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .25 | .25A |
| 2990 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | .20B | .20 |
| 3000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 175 | UNCH | .25 | .15 |
| 3005 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | .15B | .15 |
| 3010 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | .15B | .15A |
| 3015 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 110 | UNCH | .20 | .15A |
| 3020 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | UNCH | .15B | .15A |
| 3025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 215 | UNCH | .20 | .15 |
| 3030 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 35 | UNCH | .15 | .15 |
| 3035 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 130 | UNCH | .15 | .15 |
| 3040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | .15 | .15 |
| 3050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 18 | UNCH | .15 | .15 |
| 3075 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | .15 | .15 |
| 3110 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | .10B | .10 |
| 3200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 63 | UNCH | .05 | .05 |
| 3350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 42 | UNCH | .05 | .05 |
| TOTAL | | | | | | | | | 15915 | 45012 + | 2147 | | |
| AUG18 | EOW1 MINI S&P C | | | | | | | | | | | | |
| 2605 | ---- | #154.75B | *123.25A | ---- | 122.90- | 1720 | .756 | ---- | ---- | 1 | UNCH | 154.75B | 123.25A |
| 2650 | 87.50 | #114.75B | *87.00A | ---- | 86.70- | 1500 | .665 | ---- | 12 | 13 + | 12 | 114.75B | 87.00A |
| 2675 | 69.00 | #93.50B | *68.50A | ---- | 68.20+ | NEW | .601 | ---- | 11 | 11 + | 11 | 93.50B | 68.50A |
| 2690 | ---- | #81.25B | *58.25A | ---- | 57.90- | 1220 | .556 | ---- | ---- | 1 | UNCH | 81.25B | 58.25A |
| 2700 | ---- | #73.50B | *51.50A | ---- | 51.30- | 1150 | .525 | ---- | 101 | 101 + | 100 | 73.50B | 51.50A |
| 2705 | ---- | #69.50B | *48.25A | ---- | 48.10- | 1110 | .508 | ---- | ---- | 1 | UNCH | 69.50B | 48.25A |
| 2710 | 58.50 | #65.75B | *45.25A | ---- | 45.00- | 1070 | .491 | ---- | 22 | 45 + | 22 | 65.75B | 45.25A |
| 2715 | 55.00 | #62.00B | *42.25A | ---- | 42.00- | 1030 | .473 | ---- | 43 | 26 + | 23 | 62.00B | 42.25A |
| 2720 | 46.75 | #58.50B | *39.25A | ---- | 39.10- | 980 | .455 | ---- | 79 | 158 + | 79 | 58.50B | 39.25A |
| 2725 | ---- | #54.75B | *36.50A | ---- | 36.20- | 940 | .437 | ---- | ---- | 60 | UNCH | 54.75B | 36.50A |
| 2730 | 40.00 | #51.25B | *33.75A | ---- | 33.50- | 880 | .418 | ---- | 27 | 104 + | 27 | 51.25B | 33.75A |
| 2735 | ---- | #47.75B | *31.00A | ---- | 30.80- | 840 | .399 | ---- | ---- | 27 | UNCH | 47.75B | 31.00A |
| 2740 | 29.50 | #44.50B | *28.50A | ---- | 28.30- | 780 | .380 | ---- | 52 | 72 + | 50 | 44.50B | 28.50A |
| 2745 | ---- | #41.25B | *26.00A | ---- | 25.80- | 740 | .360 | ---- | ---- | 6 | UNCH | 41.25B | 26.00A |
| 2750 | 35.25 | #38.25B | *23.75A | ---- | 23.50- | 690 | .340 | ---- | 12 | 22 + | 1 | 38.25B | 23.75A |
| 2755 | 33.50 | #35.25B | *21.50A | ---- | 21.30- | 640 | .320 | ---- | 134 | 261 + | 124 | 35.25B | 21.50A |
| 2760 | 27.75 | #32.25B | *19.50A | ---- | 19.20- | 600 | .299 | ---- | 14 | 16 + | 13 | 32.25B | 19.50A |
| 2765 | 25.50 | #29.25B | *17.50A | ---- | 17.30- | 550 | .280 | ---- | 5 | 43 + | 3 | 29.25B | 17.50A |
| 2770 | 22.75 | #26.50B | *15.75A | ---- | 15.50- | 510 | .260 | ---- | 7 | 28 + | 4 | 26.50B | 15.75A |
| 2775 | 20.75 | #24.00B | *14.00A | ---- | 13.80- | 470 | .240 | ---- | 4 | 62 + | 1 | 24.00B | 14.00A |
| 2780 | ---- | #21.50B | *12.50A | ---- | 12.20- | 430 | .221 | ---- | ---- | 21 | UNCH | 21.50B | 12.50A |
| 2785 | 16.50 | #19.25B | *11.00A | ---- | 10.80- | 390 | .203 | ---- | 121 | 131 + | 91 | 19.25B | 11.00A |
| 2790 | 9.75 | #17.00B | *9.75 | ---- | 9.50- | 340 | .185 | ---- | 23 | 25 + | 23 | 17.00B | 9.75 |
| 2795 | 8.50 | #15.00B | *8.50 | ---- | 8.30- | 310 | .168 | ---- | 18 | 19 + | 18 | 15.00B | 8.50 |
| 2800 | 7.75 | #13.25B | *7.25A | ---- | 7.30- | 260 | .152 | ---- | 240 | 276 - | 84 | 13.25B | 7.25A |
| 2805 | 10.00 | #11.50B | *6.50A | ---- | 6.30+ | NEW | .136 | ---- | 110 | 110 + | 110 | 11.50B | 6.50A |
| 2810 | 8.75 | #10.00B | *5.50A | ---- | 5.50+ | NEW | .122 | ---- | 16 | 15 + | 15 | 10.00B | 5.50A |
| 2815 | 7.50 | #8.75B | *4.90A | ---- | 4.75- | 175 | .109 | ---- | 3 | 130 + | 1 | 8.75B | 4.90A |
| 2820 | 6.75 | #7.50B | *4.20A | ---- | 4.10- | 150 | .097 | ---- | 51 | 69 + | 29 | 7.50B | 4.20A |
| 2825 | 5.25 | #6.50B | *3.50 | ---- | 3.50- | 130 | .085 | ---- | 15 | 33 + | 11 | 6.50B | 3.50 |
| 2830 | ---- | #5.50B | *3.10A | ---- | 3.00- | 110 | .075 | ---- | 101 | 128 + | 101 | 5.50B | 3.10A |
| 2835 | 4.25 | #4.75B | *2.70A | ---- | 2.60- | 90 | .067 | ---- | 34 | 82 + | 33 | 4.75B | 2.70A |
| 2840 | 4.10 | #4.10 | *2.30A | ---- | 2.20- | 85 | .058 | ---- | 84 | 52 + | 23 | 4.10 | 2.30A |
| 2845 | 2.70 | #3.50B | *2.00A | ---- | 1.90- | 70 | .051 | ---- | 101 | 106 + | 68 | 3.50B | 2.00A |
| 2850 | 2.40 | #2.95B | *1.75 | ---- | 1.60- | 65 | .044 | ---- | 351 | 609 + | 235 | 2.95B | 1.75 |
| 2855 | 2.10 | #2.55 | *1.50A | ---- | 1.40- | 55 | .039 | ---- | 201 | 170 + | 100 | 2.55 | 1.50A |
| 2860 | 1.85 | 2.15 | *1.30A | ---- | 1.20- | 50 | .034 | ---- | 73 | 287 + | 2 | 2.15 | 1.30A |
| 2865 | 1.60 | #1.85B | *1.15A | ---- | 1.05- | 45 | .030 | ---- | 109 | 76 + | 73 | 1.85B | 1.15A |
| 2870 | 1.55 | #1.60B | *1.05A | ---- | .90+ | NEW | .026 | ---- | 4 | 3 + | 3 | 1.60B | 1.05A |
| 2875 | ---- | #1.40B | *.90A | ---- | .80- | 35 | .023 | ---- | ---- | 122 | UNCH | 1.40B | .90A |
| 2880 | ---- | #1.20B | *.80A | ---- | .70- | 30 | .021 | ---- | 3 | 139 + | 3 | 1.20B | .80A |
| 2885 | ---- | #1.05B | *.70A | ---- | .65- | 25 | .019 | ---- | ---- | 73 | UNCH | 1.05B | .70A |
| 2900 | ---- | .70B | *.55A | ---- | .45- | 20 | .013 | ---- | ---- | 308 | UNCH | .70 | .55A |
| 2905 | ---- | .65B | *.50A | ---- | .40- | 20 | .012 | ---- | ---- | 2 | UNCH | .65 | .50A |
| 3000 | ---- | ---- | ---- | ---- | .10- | 10 | .002 | ---- | 3 | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 2184 | 4047 + | 1325 | | |

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# E-MINI S&P 500 CALL OPTIONS



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## FINAL



### WK EW-W2 E-MINI S&P CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW2 MINI S&P C | | | | | | | | | | | | | |
| JUL18 | EOW2 MINI S&P C | | | | | | | | | | | | |
| 2510 | ---- | 235.75B | *200.25A | ---- | 199.20- | 2200 | .935 | ---- | ---- | 1 | UNCH | 284.00B | 200.25A |
| 2525 | ---- | 221.00B | *185.75A | ---- | 184.80- | 2180 | .925 | ---- | ---- | 1 | UNCH | 269.00B | 185.75A |
| 2615 | ---- | 136.00B | *102.25A | ---- | 102.00- | 1890 | .811 | ---- | ---- | 1 | UNCH | 183.75B | 102.25A |
| 2620 | ---- | 131.25B | *97.75A | ---- | 97.60- | 1870 | .800 | ---- | ---- | 4 | UNCH | 179.00B | 97.75A |
| 2625 | ---- | 126.50B | *93.50A | ---- | 93.40- | 1840 | .789 | ---- | ---- | 1 | UNCH | 174.25B | 93.50A |
| 2630 | ---- | 122.00B | *89.25A | ---- | 89.10- | 1810 | .777 | ---- | ---- | 5 | UNCH | 169.25B | 89.25A |
| 2635 | 94.50 | 117.25B | *85.25A | ---- | 85.00- | 1770 | .764 | ---- | 1 | 1 | + 1 | 164.50B | 85.25A |
| 2640 | ---- | 112.50B | *81.00A | ---- | 80.80- | 1740 | .751 | ---- | 2 | 32 | - 2 | 159.75B | 81.00A |
| 2645 | ---- | 108.00B | *77.00A | ---- | 76.80- | 1700 | .737 | ---- | ---- | 3 | UNCH | 155.00B | 77.00A |
| 2650 | ---- | 103.50B | *73.00A | ---- | 72.70- | 1670 | .722 | ---- | 3 | 153 | - 3 | 150.25B | 73.00A |
| 2655 | ---- | 99.75B | *69.00A | ---- | 68.80- | 1630 | .707 | ---- | ---- | 3 | UNCH | 145.50B | 69.00A |
| 2660 | ---- | 95.25B | *65.25A | ---- | 64.90- | 1590 | .691 | ---- | ---- | 3 | UNCH | 140.50B | 65.25A |
| 2665 | 84.75 | 90.75B | *61.25A | ---- | 61.10- | 1540 | .673 | ---- | 1 | 2 | + 1 | 136.00B | 61.25A |
| 2670 | ---- | 86.25B | *57.50A | ---- | 57.30- | 1510 | .656 | ---- | ---- | 3 | UNCH | 131.25B | 57.50A |
| 2675 | ---- | 82.00B | *54.00A | ---- | 53.60- | 1470 | .636 | ---- | ---- | 14 | UNCH | 126.50B | 54.00A |
| 2680 | ---- | 77.50B | *50.25A | ---- | 50.10- | 1410 | .617 | ---- | ---- | 16 | UNCH | 122.00B | 50.25A |
| 2685 | ---- | 73.25B | *46.75A | ---- | 46.60- | 1370 | .596 | ---- | ---- | 14 | UNCH | 117.25B | 46.75A |
| 2690 | ---- | 69.00B | *43.50A | ---- | 43.20- | 1310 | .575 | ---- | ---- | 3 | UNCH | 112.75B | 43.50A |
| 2695 | ---- | 64.75B | *40.25A | ---- | 39.90- | 1260 | .552 | ---- | 1 | 168 | + 1 | 108.50B | 40.25A |
| 2700 | 44.75 | 60.75B | *36.75A | ---- | 36.70- | 1200 | .529 | ---- | 9 | 372 | - 6 | 104.00B | 36.75A |
| 2705 | ---- | 56.75B | *33.75A | ---- | 33.60- | 1150 | .505 | ---- | 1 | 29 | + 1 | 99.50B | 33.75A |
| 2710 | 42.50 | 52.75B | *30.75A | ---- | 30.50- | 1100 | .480 | ---- | 4 | 141 | UNCH | 95.00B | 30.75A |
| 2715 | 35.75 | 48.75B | *27.75A | ---- | 27.60- | 1050 | .454 | ---- | 25 | 317 | - 9 | 90.50B | 27.75A |
| 2720 | 34.00 | 45.00B | *25.00A | ---- | 24.80- | 1000 | .428 | ---- | 17 | 184 | - 1 | 86.25B | 25.00A |
| 2725 | 38.75 | 41.25B | *22.50A | ---- | 22.20- | 930 | .401 | ---- | 15 | 415 | + 5 | 81.75B | 22.50A |
| 2730 | 27.75 | 37.50B | *20.00A | ---- | 19.80- | 860 | .373 | ---- | 247 | 238 | + 44 | 77.50B | 20.00A |
| 2735 | 22.00 | 34.25B | *17.75A | ---- | 17.60- | 770 | .346 | ---- | 111 | 301 | + 86 | 73.50B | 17.75A |
| 2740 | 17.00 | 30.75B | *15.50A | ---- | 15.50- | 690 | .318 | ---- | 250 | 603 | + 23 | 69.25B | 15.50A |
| 2745 | 21.50 | 27.50B | *13.50A | ---- | 13.50- | 610 | .291 | ---- | 437 | 348 | + 278 | 65.25B | 13.50A |
| 2750 | 16.75 | 24.50B | *11.75A | ---- | 11.70- | 540 | .264 | ---- | 195 | 577 | + 48 | 61.25B | 11.75A |
| 2755 | 16.25 | 21.50B | *10.00A | ---- | 10.00- | 480 | .236 | ---- | 107 | 278 | - 31 | 57.25B | 10.00A |
| 2760 | 15.75 | 18.75B | *8.25 | ---- | 8.50- | 430 | .210 | ---- | 573 | 1005 | + 301 | 53.25B | 8.25 |
| 2765 | 10.50 | 16.25B | *7.00A | ---- | 7.20- | 370 | .186 | ---- | 332 | 536 | - 122 | 49.50B | 7.00A |
| 2770 | 9.75 | 14.00B | *5.75A | ---- | 6.00- | 320 | .162 | ---- | 417 | 708 | - 20 | 46.00B | 5.75A |
| 2775 | 5.75 | 12.00 | *4.85A | ---- | 5.00- | 260 | .141 | ---- | 578 | 1272 | + 232 | 42.25B | 4.85A |
| 2780 | 7.50 | 9.75B | *3.95A | ---- | 4.10- | 220 | .121 | ---- | 130 | 869 | - 51 | 38.75B | 3.95A |
| 2785 | 3.50 | 8.25B | *3.35A | ---- | 3.35- | 175 | .102 | ---- | 43 | 1002 | - 20 | 35.50B | 3.35A |
| 2790 | 3.10 | 6.75 | *2.80A | ---- | 2.70- | 145 | .086 | ---- | 131 | 1067 | + 58 | 32.25B | 2.80A |
| 2795 | 2.35 | 5.25B | *2.25 | ---- | 2.20- | 115 | .072 | ---- | 34 | 468 | + 3 | 29.50B | 2.25 |
| 2800 | 2.50 | 4.35B | *1.75 | ---- | 1.75- | 95 | .059 | ---- | 869 | 1030 | + 50 | 26.50B | 1.75 |
| 2805 | 2.20 | 3.50 | *1.50A | ---- | 1.40- | 75 | .049 | ---- | 188 | 538 | + 17 | 23.75B | 1.50A |
| 2810 | 1.50 | 2.75B | *1.20A | ---- | 1.10- | 65 | .039 | ---- | 25 | 583 | + 20 | 21.25B | 1.20A |
| 2815 | 1.45 | 2.15 | *1.00A | ---- | .90- | 50 | .033 | ---- | 64 | 598 | - 20 | 19.00B | 1.00A |
| 2820 | ---- | 1.70B | *.80A | ---- | .70- | 45 | .026 | ---- | ---- | 339 | UNCH | 16.75B | .80A |
| 2825 | 1.00 | 1.35B | *.70A | ---- | .55- | 40 | .021 | ---- | 36 | 983 | - 15 | 14.75B | .70A |
| 2830 | ---- | 1.05B | *.55A | ---- | .45- | 30 | .017 | ---- | ---- | 829 | UNCH | 12.75B | .55A |
| 2835 | 0.70 | .85B | *.50A | ---- | .35- | 30 | .014 | ---- | 4 | 429 | + 4 | 11.25B | .50A |
| 2840 | 0.65 | .65 | *.40A | ---- | .30- | 25 | .012 | ---- | 155 | 218 | - 150 | 9.75B | .40A |
| 2845 | 0.50 | .55B | *.35A | ---- | .25- | 20 | .010 | ---- | 167 | 310 | - 18 | 8.25 | .35A |
| 2850 | 0.40 | .45B | *.30A | ---- | .20- | 20 | .008 | ---- | 229 | 1366 | + 159 | 7.00 | .30A |
| 2855 | 0.35 | .35 | *.30 | ---- | .20- | 15 | .007 | ---- | 245 | 426 | UNCH | 6.00B | .30 |
| 2860 | 0.30 | .35 | *.20 | ---- | .15- | 15 | .006 | ---- | 164 | 170 | + 61 | 5.00B | .20 |
| 2865 | ---- | ---- | ---- | ---- | .15- | 10 | .005 | ---- | ---- | 34 | UNCH | 4.45B | .30 |
| 2870 | ---- | ---- | *.20A | ---- | .10- | 15 | .004 | ---- | ---- | 306 | UNCH | 3.80B | .20A |
| 2875 | 0.30 | .30 | *.20A | ---- | .10- | 15 | .003 | ---- | 5 | 53 | - 1 | 3.30B | .20A |
| 2880 | ---- | ---- | ---- | ---- | .10- | 10 | .003 | ---- | ---- | 112 | UNCH | 2.80B | .25A |
| 2885 | 0.20 | .20 | *.20 | ---- | .10- | 10 | .003 | ---- | 1 | 120 | + 1 | 2.45B | .20 |
| 2890 | ---- | ---- | ---- | ---- | .05- | 15 | .002 | ---- | ---- | 12 | UNCH | 2.15B | .25A |
| 2895 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 90 | UNCH | 1.85B | .20A |
| 2900 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 574 | UNCH | 1.70B | .20A |
| 2905 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 31 | UNCH | 1.45B | .20A |
| 2910 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 1 | UNCH | 1.30B | .20A |
| 2915 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 14 | UNCH | 1.15B | .20A |
| 2920 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 287 | UNCH | 1.05B | .15A |
| 2925 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 6 | UNCH | .95B | .15A |
| 2935 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 104 | UNCH | .75B | .20A |
| 2940 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 12 | UNCH | .70B | .20A |
| 2950 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 100 | UNCH | .60 | .45A |
| 2970 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 150 | UNCH | .45B | .15A |
| 2980 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 3 | UNCH | .40B | .15 |
| 2990 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 27 | UNCH | .35B | .25A |
| 3000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | ---- | .30A |
| 3015 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .30 | .25A |
| 3040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 21 | UNCH | .15 | .15 |
| 3045 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | .15 | .15 |
| 3070 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | .15 | .15A |
| 3080 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 18 | UNCH | .15 | .15 |
| 3090 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | .15 | .15 |
| 3100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | .15 | .15 |
| 3110 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | .15 | .15 |
| 3120 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 200 | UNCH | .20 | .15A |
| 3125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 300 | UNCH | .20 | .15A |
| 3140 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | .15 | .15 |
| 3450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 44 | UNCH | .05 | .05 |
| 3500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 21 | UNCH | .05 | .05 |
| TOTAL | | | | | | | | | 5816 | 21812 | + 925 | | |

### WK EW-W4 E-MINI S&P CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW4 MINI S&P C | | | | | | | | | | | | | |
| JUL18 | EOW4 MINI S&P C | (FUTURES SETT. .00) | | | | | | | | | | | |
| 2370 | ---- | 373.75B | *340.00A | ---- | 338.70- | 2240 | .956 | ---- | ---- | 1 | UNCH | 421.75B | 340.00A |
| 2380 | ---- | 364.00B | *330.25A | ---- | 328.90- | 2230 | .953 | ---- | ---- | 1 | UNCH | 411.75B | 330.25A |
| 2575 | ---- | 179.00B | *145.50A | ---- | 145.00- | 1900 | .821 | ---- | ---- | 1 | UNCH | 225.50B | 145.50A |
| 2590 | ---- | 165.00B | *132.25A | ---- | 131.90- | 1830 | .800 | ---- | ---- | 4 | UNCH | 211.00B | 132.25A |
| 2605 | ---- | 151.00B | *119.50A | ---- | 118.90- | 1780 | .775 | ---- | ---- | 1 | UNCH | 196.75B | 119.50A |
| 2610 | ---- | 146.50B | *115.25A | ---- | 114.70- | 1750 | .766 | ---- | ---- | 1 | UNCH | 192.00B | 115.25A |
| 2615 | ---- | 142.75B | *111.00A | ---- | 110.50- | 1730 | .757 | ---- | ---- | 2 | UNCH | 187.25B | 111.00A |
| 2620 | ---- | 138.25B | *106.75A | ---- | 106.30- | 1710 | .747 | ---- | ---- | 2 | UNCH | 182.50B | 106.75A |
| 2630 | ---- | 129.25B | *98.75A | ---- | 98.10- | 1660 | .726 | ---- | ---- | 2 | UNCH | 173.25B | 98.75A |
| 2635 | ---- | 124.75B | *94.50A | ---- | 94.10- | 1630 | .715 | ---- | ---- | 1 | UNCH | 168.50B | 94.50A |
| 2640 | ---- | 120.25B | *90.75A | ---- | 90.10- | 1600 | .704 | ---- | ---- | 1 | UNCH | 163.75B | 90.75A |
| 2645 | ---- | 115.75B | *86.75A | ---- | 86.20- | 1570 | .691 | ---- | ---- | 1 | UNCH | 159.25B | 86.75A |
| 2650 | ---- | 111.50B | *82.75A | ---- | 82.30- | 1540 | .679 | ---- | ---- | 2 | UNCH | 154.50B | 82.75A |
| 2655 | ---- | 107.00B | *79.00A | ---- | 78.50- | 1510 | .666 | ---- | ---- | 3 | UNCH | 150.00B | 79.00A |
| 2660 | ---- | 102.75B | *75.25A | ---- | 74.70- | 1480 | .652 | ---- | ---- | 3 | UNCH | 145.75B | 75.25A |
| 2665 | ---- | 98.50B | *71.50A | ---- | 71.00- | 1440 | .638 | ---- | ---- | 33 | UNCH | 141.00B | 71.50A |
| 2675 | ---- | 90.00B | *64.00A | ---- | 63.80- | 1360 | .609 | ---- | ---- | 49 | UNCH | 132.00B | 64.00A |
| 2680 | ---- | 85.75B | *60.50A | ---- | 60.30- | 1320 | .593 | ---- | ---- | 84 | UNCH | 127.50B | 60.50A |
| 2685 | ---- | 81.50B | *57.00A | ---- | 56.80- | 1290 | .577 | ---- | ---- | 4 | UNCH | 123.00B | 57.00A |
| 2690 | ---- | 77.50B | *53.75A | ---- | 53.40- | 1250 | .560 | ---- | ---- | 25 | UNCH | 118.50B | 53.75A |
| 2695 | ---- | 73.50B | *50.25A | ---- | 50.10- | 1210 | .543 | ---- | ---- | 11 | UNCH | 114.00B | 50.25A |
| 2700 | ---- | 69.50B | *47.00A | ---- | 46.80- | 1170 | .525 | ---- | ---- | 53 | UNCH | 109.75B | 47.00A |
| 2705 | ---- | 65.50B | *43.75A | ---- | 43.60- | 1140 | .507 | ---- | 101 | 101 | + 86 | 105.25B | 43.75A |
| 2710 | ---- | 61.75B | *40.75A | ---- | 40.50- | 1090 | .488 | ---- | 113 | 225 | + 83 | 101.00B | 40.75A |
| 2715 | ---- | 58.00B | *37.75A | ---- | 37.50- | 1040 | .469 | ---- | ---- | 160 | UNCH | 96.75B | 37.75A |
| 2720 | 48.00 | 54.25B | *34.75A | ---- | 34.60- | 990 | .449 | ---- | 377 | 551 | + 291 | 92.50B | 34.75A |
| 2725 | 33.50 | 50.75B | *32.00A | ---- | 31.80- | 930 | .428 | ---- | 10 | 94 | + 8 | 88.25B | 32.00A |
| 2730 | 35.75 | 47.00B | *29.25A | ---- | 29.10- | 880 | .407 | ---- | 22 | 128 | + 22 | 84.25B | 29.25A |
| 2735 | 37.50 | 43.75B | *26.75A | ---- | 26.60- | 810 | .386 | ---- | 48 | 73 | + 40 | 80.00B | 26.75A |
| 2740 | 36.50 | 40.25B | *24.25A | ---- | 24.20- | 760 | .365 | ---- | 57 | 120 | + 23 | 76.00B | 24.25A |
| 2745 | 31.25 | 37.00B | *22.00A | ---- | 21.80- | 720 | .343 | ---- | 61 | 111 | + 18 | 72.00B | 22.00A |
| 2750 | 31.00 | 34.00B | *19.75 | ---- | 19.70- | 660 | .321 | ---- | 74 | 160 | + 4 | 68.00B | 19.75 |
| 2755 | 24.50 | 31.00B | *17.75A | ---- | 17.60- | 610 | .299 | ---- | 124 | 130 | + 68 | 64.25B | 17.75A |
| 2760 | 17.00 | 28.00B | *15.75A | ---- | 15.70- | 550 | .277 | ---- | 107 | 252 | + 27 | 60.50B | 15.75A |
| 2765 | 20.00 | 25.25B | *14.00A | ---- | 13.90- | 490 | .256 | ---- | 55 | 414 | - 7 | 56.75B | 14.00A |
| 2770 | 18.50 | 22.50B | *12.25A | ---- | 12.20- | 450 | .234 | ---- | 42 | 313 | + 33 | 53.00B | 12.25A |
| 2775 | 16.00 | 20.00B | *10.75A | ---- | 10.70- | 400 | .214 | ---- | 54 | 347 | + 20 | 49.50B | 10.75A |
| 2780 | 14.00 | 17.75B | *9.50A | ---- | 9.30- | 350 | .193 | ---- | 426 | 488 | + 257 | 46.25B | 9.50A |
| 2785 | 9.75 | 15.50B | *8.25A | ---- | 8.10- | 310 | .175 | ---- | 144 | 627 | + 40 | 43.00B | 8.25A |
| 2790 | 12.50 | 13.50B | *7.00A | ---- | 7.00- | 270 | .157 | ---- | 30 | 309 | + 10 | 39.75B | 7.00A |
| 2795 | 8.00 | 11.75B | *6.00A | ---- | 6.00- | 230 | .140 | ---- | 63 | 210 | + 1 | 36.75B | 6.00A |
| 2800 | 6.25 | 10.00B | *5.25A | ---- | 5.10- | 200 | .123 | ---- | 234 | 438 | + 225 | 33.75B | 5.25A |

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# E-MINI S&P 500 CALL OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2805 | 5.75 | 8.50B | *4.45A | ---- | 4.35- | 175 | .109 | ---- | 58 | 549 + | 30 | 30.75B | 4.45A |
| 2810 | 5.00 | 7.25B | *3.80A | ---- | 3.70- | 140 | .095 | ---- | 39 | 313 + | 2 | 29.00B | 3.80A |
| 2815 | 6.00 | 6.00 | *3.20A | ---- | 3.10- | 125 | .083 | ---- | 52 | 310 + | 49 | 26.50B | 3.20A |
| 2820 | 4.55 | 5.25 | *2.70A | ---- | 2.65- | 100 | .073 | ---- | 84 | 434 + | 6 | 24.25 | 2.70A |
| 2825 | 3.85 | 4.35B | *2.30 | ---- | 2.25- | 80 | .063 | ---- | 133 | 468 - | 97 | 21.00B | 2.30 |
| 2830 | 2.85 | 3.65B | *1.95A | ---- | 1.90- | 70 | .055 | ---- | 270 | 604 - | 17 | 19.00B | 1.95A |
| 2835 | 2.25 | 3.05B | *1.65A | ---- | 1.60- | 60 | .047 | ---- | 568 | 572 + | 379 | 18.00 | 1.65A |
| 2840 | 2.10 | 2.55B | *1.45A | ---- | 1.35- | 50 | .041 | ---- | 520 | 1398 + | 399 | 15.25B | 1.45A |
| 2845 | 1.70 | 2.15B | *1.25A | ---- | 1.15- | 45 | .035 | ---- | 90 | 320 - | 24 | 14.25 | 1.25A |
| 2850 | 1.15 | 1.80B | *1.05A | ---- | 1.00- | 35 | .031 | ---- | 14 | 168 - | 1 | 12.50B | 1.05A |
| 2855 | 1.40 | 1.55B | *.95A | ---- | .85- | 30 | .027 | ---- | 13 | 334 | UNCH | 11.25B | .95A |
| 2860 | 1.15 | 1.30B | *.80A | ---- | .70- | 30 | .022 | ---- | 507 | 849 + | 307 | 9.75B | .80A |
| 2865 | 0.85 | 1.10B | *.70A | ---- | .60- | 30 | .019 | ---- | 149 | 126 - | 28 | 8.50 | .70A |
| 2870 | ---- | .95B | *.65A | ---- | .55- | 25 | .018 | ---- | ---- | 183 | UNCH | 7.50B | .65A |
| 2875 | ---- | .80B | *.55A | ---- | .45- | 25 | .015 | ---- | ---- | 209 | UNCH | 6.75B | .55A |
| 2880 | ---- | .70B | *.50A | ---- | .40- | 25 | .013 | ---- | ---- | 394 | UNCH | 6.00B | .50A |
| 2885 | ---- | .60B | *.45A | ---- | .35- | 20 | .011 | ---- | ---- | 87 | UNCH | 5.25 | .45A |
| 2890 | ---- | .55B | *.45A | ---- | .35- | 15 | .011 | ---- | ---- | 37 | UNCH | 4.75B | .45A |
| 2895 | ---- | .50B | *.40A | ---- | .30- | 15 | .010 | ---- | ---- | 69 | UNCH | 4.20B | .40A |
| 2900 | ---- | ---- | *.35A | ---- | .30- | 15 | .009 | ---- | ---- | 72 | UNCH | 3.75B | .35A |
| 2905 | ---- | ---- | *.35A | ---- | .25- | 15 | .008 | ---- | ---- | 48 | UNCH | 3.35B | .35A |
| 2910 | ---- | ---- | ---- | ---- | .25- | 10 | .008 | ---- | ---- | 277 | UNCH | 3.00B | .45A |
| 2915 | ---- | ---- | *.30A | ---- | .25- | 10 | .007 | ---- | ---- | 173 | UNCH | 2.65 | .30A |
| 2920 | ---- | ---- | ---- | ---- | .25- | 5 | .007 | ---- | ---- | 407 | UNCH | 2.40B | .40A |
| 2925 | ---- | ---- | ---- | ---- | .20- | 10 | .006 | ---- | ---- | 202 | UNCH | 2.15B | .30 |
| 2930 | ---- | ---- | ---- | ---- | .20- | 5 | .006 | ---- | ---- | 2 | UNCH | 1.95B | .35A |
| 2935 | ---- | ---- | ---- | ---- | .20- | 5 | .006 | ---- | ---- | 1 | UNCH | 1.75B | .35A |
| 2940 | ---- | ---- | ---- | ---- | .20- | 5 | .006 | ---- | ---- | 1 | UNCH | 1.60B | .35A |
| 2945 | ---- | ---- | ---- | ---- | .15- | 5 | .004 | ---- | ---- | 114 | UNCH | 1.45B | .30A |
| 2960 | ---- | ---- | ---- | ---- | .15- | 5 | .004 | ---- | ---- | 7 | UNCH | 1.15B | .30A |
| 2975 | ---- | ---- | ---- | ---- | .10- | 10 | .003 | ---- | ---- | 290 | UNCH | .90B | .25A |
| 2990 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 30 | UNCH | .75B | .15 |
| 2995 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 1 | UNCH | .70B | .15 |
| 3060 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 200 | UNCH | .35 | .30A |
| 3070 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 25 | UNCH | .15 | .15 |
| 3075 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 145 | UNCH | .15 | .15 |
| 3100 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 93 | UNCH | ---- | .25A |
| 3150 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .25 | .15A |
| 3180 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .20 | .15A |
| 3400 | 0.05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 22 | 44 + | 22 | .05 | .05 |
| TOTAL | | | | | | | | | 4661 | 15292 + | 2276 | | |

E-MINI S&P CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMINI S&P CALL SEP18 | EMINI S&P CALL | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | 1704.90- | 2360 | .999 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 1670 | ---- | ---- | ---- | ---- | 1035.00- | 2350 | .993 | ---- | ---- | 40 | UNCH | 1094.75B | 822.00A |
| 1800 | ---- | ---- | ---- | ---- | 905.40- | 2330 | .989 | ---- | ---- | 26 | UNCH | 967.50B | 698.75A |
| 1810 | ---- | ---- | ---- | ---- | 895.40- | 2340 | .988 | ---- | ---- | 4 | UNCH | 957.50B | 689.50A |
| 1820 | ---- | ---- | ---- | ---- | 885.50- | 2330 | .988 | ---- | ---- | 2 | UNCH | 947.75B | 680.00A |
| 1825 | ---- | ---- | ---- | ---- | 880.50- | 2330 | .988 | ---- | ---- | 4 | UNCH | 942.75B | 675.50A |
| 1830 | ---- | ---- | ---- | ---- | 875.50- | 2340 | .987 | ---- | ---- | 5 | UNCH | 937.75B | 670.75A |
| 1840 | ---- | ---- | ---- | ---- | 865.60- | 2330 | .987 | ---- | ---- | 5 | UNCH | 955.00B | 661.50A |
| 1850 | ---- | ---- | ---- | ---- | 855.70- | 2330 | .987 | ---- | ---- | 4 | UNCH | 948.50B | 652.25A |
| 1860 | ---- | ---- | ---- | ---- | 845.80- | 2320 | .986 | ---- | ---- | 2 | UNCH | 950.75B | 643.00A |
| 1880 | ---- | ---- | ---- | ---- | 825.90- | 2320 | .985 | ---- | ---- | 1 | UNCH | 939.00B | 624.50A |
| 1890 | ---- | ---- | ---- | ---- | 816.00- | 2320 | .984 | ---- | ---- | 2 | UNCH | 930.00B | 615.25A |
| 1900 | ---- | ---- | ---- | ---- | 806.10- | 2320 | .984 | ---- | ---- | 3 | UNCH | 920.25B | 606.25A |
| 1920 | ---- | ---- | ---- | ---- | 786.30- | 2310 | .982 | ---- | ---- | 1 | UNCH | 900.50B | 588.00A |
| 1925 | ---- | ---- | ---- | ---- | 781.30- | 2310 | .982 | ---- | ---- | 1 | UNCH | 895.75B | 583.50A |
| 1950 | ---- | ---- | ---- | ---- | 756.60- | 2300 | .980 | ---- | ---- | 102 | UNCH | 871.25B | 560.75A |
| 1970 | ---- | ---- | ---- | ---- | 736.80- | 2300 | .979 | ---- | ---- | 3 | UNCH | 851.75B | 542.75A |
| 2000 | ---- | ---- | ---- | ---- | 707.20- | 2290 | .976 | ---- | ---- | 8 | UNCH | 850.50B | 516.00A |
| 2010 | ---- | ---- | ---- | ---- | 697.40- | 2280 | .975 | ---- | ---- | 1 | UNCH | 843.75B | 507.00A |
| 2020 | ---- | ---- | ---- | ---- | 687.60- | 2280 | .974 | ---- | ---- | 2 | UNCH | 835.00B | 498.25A |
| 2025 | ---- | ---- | ---- | ---- | 682.60- | 2280 | .974 | ---- | ---- | 9 | UNCH | 830.25B | 493.75A |
| 2030 | ---- | ---- | ---- | ---- | 677.70- | 2280 | .973 | ---- | ---- | 2 | UNCH | 825.25B | 489.50A |
| 2040 | ---- | ---- | ---- | ---- | 667.90- | 2270 | .972 | ---- | ---- | 6 | UNCH | 815.50B | 480.75A |
| 2050 | ---- | ---- | ---- | ---- | 658.10- | 2270 | .971 | ---- | ---- | 70 | UNCH | 806.00B | 472.00A |
| 2060 | ---- | ---- | ---- | ---- | 648.30- | 2260 | .970 | ---- | ---- | 2 | UNCH | 797.75B | 463.25A |
| 2070 | ---- | ---- | ---- | ---- | 638.50- | 2260 | .969 | ---- | ---- | 12 | UNCH | 794.50B | 454.50A |
| 2075 | ---- | ---- | ---- | ---- | 633.60- | 2250 | .968 | ---- | ---- | 2 | UNCH | 794.50B | 450.00A |
| 2080 | ---- | ---- | ---- | ---- | 628.70- | 2250 | .968 | ---- | ---- | 72 | UNCH | 790.25B | 445.75A |
| 2100 | ---- | 646.75B | ---- | ---- | 609.10- | 2240 | .965 | ---- | ---- | 8 | UNCH | 771.00B | 428.50A |
| 2150 | ---- | ---- | ---- | ---- | 560.30- | 2220 | .957 | ---- | ---- | 3 | UNCH | 743.75B | 386.25A |
| 2170 | ---- | ---- | ---- | ---- | 540.90- | 2210 | .954 | ---- | ---- | 16 | UNCH | 724.50B | 369.50A |
| 2175 | ---- | ---- | ---- | ---- | 536.00- | 2210 | .953 | ---- | ---- | 2 | UNCH | 719.50B | 365.25A |
| 2180 | ---- | ---- | ---- | ---- | 531.10- | 2220 | .952 | ---- | ---- | 3 | UNCH | 714.75B | 361.25A |
| 2190 | ---- | ---- | ---- | ---- | 521.40- | 2210 | .950 | ---- | ---- | 6 | UNCH | 705.25B | 353.00A |
| 2200 | ---- | 551.00B | 512.50A | ---- | 511.80- | 2200 | .948 | ---- | ---- | 59 | UNCH | 695.75B | 344.75A |
| 2210 | ---- | 541.00B | 502.75A | ---- | 502.10- | 2200 | .946 | ---- | ---- | 3 | UNCH | 686.25B | 336.75A |
| 2220 | ---- | 531.25B | 493.25A | ---- | 492.50- | 2190 | .943 | ---- | ---- | 5 | UNCH | 676.75B | 328.50A |
| 2225 | ---- | 526.25B | 488.50A | ---- | 487.70- | 2180 | .942 | ---- | ---- | 50 | UNCH | 672.00B | 324.50A |
| 2230 | ---- | 521.50B | 483.50A | ---- | 482.90- | 2180 | .941 | ---- | ---- | 102 | UNCH | 667.00B | 320.50A |
| 2240 | ---- | 511.75B | 474.00A | ---- | 473.30- | 2170 | .938 | ---- | ---- | 50 | UNCH | 657.50B | 312.50A |
| 2250 | ---- | 502.00B | 464.50A | ---- | 463.70- | 2160 | .936 | ---- | ---- | 39 | UNCH | 648.00B | 304.50A |
| 2260 | ---- | 492.50B | 454.75A | ---- | 454.10- | 2160 | .933 | ---- | ---- | 70 | UNCH | 638.50B | 296.75A |
| 2270 | ---- | 482.75B | 445.25A | ---- | 444.60- | 2150 | .930 | ---- | ---- | 30 | UNCH | 629.25B | 289.00A |
| 2275 | ---- | 477.75B | 440.50A | ---- | 439.80- | 2150 | .929 | ---- | ---- | 17 | UNCH | 624.50B | 285.00A |
| 2280 | ---- | 473.00B | 435.75A | ---- | 435.00- | 2140 | .927 | ---- | ---- | 27 | UNCH | 619.75B | 281.00A |
| 2290 | ---- | 463.25B | 426.25A | ---- | 425.40- | 2140 | .924 | ---- | ---- | 21 | UNCH | 610.25B | 273.50A |
| 2300 | ---- | 453.75B | 416.75A | ---- | 415.90- | 2140 | .921 | ---- | ---- | 91 | UNCH | 603.50B | 265.75A |
| 2305 | ---- | 448.75B | 412.00A | ---- | 411.10- | 2140 | .920 | ---- | ---- | 35 | UNCH | 495.00B | 323.50A |
| 2310 | ---- | 444.00B | 407.25A | ---- | 406.40- | 2130 | .918 | ---- | ---- | 15 | UNCH | 594.25B | 258.25A |
| 2320 | ---- | 434.25B | 397.75A | ---- | 397.00- | 2110 | .914 | ---- | ---- | 150 | UNCH | 584.75B | 250.75A |
| 2325 | ---- | 429.50B | 393.00A | ---- | 392.30- | 2110 | .912 | ---- | ---- | 113 | UNCH | 580.00B | 247.00A |
| 2330 | ---- | 424.50B | 388.25A | ---- | 387.60- | 2100 | .910 | ---- | ---- | 173 | UNCH | 575.50B | 243.25A |
| 2340 | ---- | 415.25B | 378.75A | ---- | 378.30- | 2080 | .906 | ---- | ---- | 75 | UNCH | 566.00B | 235.75A |
| 2350 | ---- | 405.50B | 369.50A | ---- | 368.90- | 2060 | .902 | ---- | ---- | 51 | UNCH | 556.75B | 228.50A |
| 2360 | ---- | 396.00B | 360.25A | ---- | 359.60- | 2040 | .897 | ---- | ---- | 149 | UNCH | 548.50 | 221.25A |
| 2370 | ---- | 386.50B | 351.00A | ---- | 350.30- | 2030 | .893 | ---- | ---- | 19 | UNCH | 538.25B | 214.00A |
| 2375 | ---- | 381.75B | 346.25A | ---- | 345.60- | 2020 | .890 | ---- | ---- | 91 | UNCH | 533.50B | 210.50A |
| 2380 | ---- | 377.00B | 341.50A | ---- | 340.90- | 2020 | .888 | ---- | ---- | 37 | UNCH | 529.00B | 207.00A |
| 2390 | ---- | 367.50B | 332.25A | ---- | 331.60- | 2020 | .883 | ---- | ---- | 36 | UNCH | 519.75B | 199.75A |
| 2400 | ---- | 357.75B | 323.00A | ---- | 322.40- | 2000 | .878 | ---- | ---- | 522 | UNCH | 510.50B | 193.00A |
| 2410 | ---- | 348.25B | 314.00A | ---- | 313.20- | 1990 | .873 | ---- | ---- | 22 | UNCH | 501.25B | 186.00A |
| 2420 | ---- | 339.00B | 304.75A | ---- | 304.10- | 1970 | .867 | ---- | ---- | 20 | UNCH | 492.00B | 179.00A |
| 2425 | ---- | 334.50B | 300.00A | ---- | 299.50- | 1970 | .864 | ---- | ---- | 362 | UNCH | 487.50B | 175.75A |
| 2430 | ---- | 329.75B | 295.50A | ---- | 295.00- | 1950 | .861 | ---- | ---- | 27 | UNCH | 483.00B | 172.25A |
| 2440 | ---- | 320.25B | 286.75A | ---- | 286.00- | 1920 | .854 | ---- | ---- | 9 | UNCH | 473.75B | 165.75A |
| 2450 | ---- | 311.00B | 277.25A | ---- | 277.00- | 1900 | .848 | ---- | ---- | 2478 | UNCH | 464.75B | 159.25A |
| 2455 | 280.75 | 306.50B | 273.00A | ---- | 272.60+ | NEW | .844 | ---- | 1 | 1 + | 1 | 350.75B | 199.75A |
| 2460 | 276.25 | 301.75B | 268.50A | ---- | 268.10- | 1880 | .841 | ---- | 2 | 119 | UNCH | 455.75B | 152.75A |
| 2465 | 275.00 | 297.00B | 264.00A | ---- | 263.60+ | NEW | .837 | ---- | 1 | 1 + | 1 | 341.25B | 192.25A |
| 2470 | 270.50 | 292.50B | 259.50A | ---- | 259.20- | 1870 | .833 | ---- | 1 | 42 + | 1 | 446.75B | 146.50A |
| 2475 | ---- | 288.00B | 255.00A | ---- | 254.70- | 1870 | .829 | ---- | ---- | 652 | UNCH | 442.25B | 143.25A |
| 2480 | ---- | 283.50B | 250.75A | ---- | 250.30- | 1860 | .826 | ---- | ---- | 29 | UNCH | 437.75B | 140.25A |
| 2490 | ---- | 274.00B | 241.75A | ---- | 241.50- | 1840 | .817 | ---- | ---- | 125 | UNCH | 428.75B | 134.00A |
| 2495 | ---- | 269.75B | 237.50A | ---- | 237.20- | 1820 | .813 | ---- | ---- | 1 | UNCH | 313.00B | 169.75A |
| 2500 | ---- | 265.00B | 233.00A | ---- | 232.80- | 1810 | .809 | ---- | ---- | 824 | UNCH | 419.75B | 128.00A |
| 2505 | ---- | 261.00B | 228.75A | ---- | 228.50- | 1790 | .805 | ---- | ---- | 26 | UNCH | 303.75B | 162.50A |
| 2510 | 253.00 | 256.75B | 224.50A | ---- | 224.10- | 1780 | .800 | ---- | 1 | 354 | UNCH | 410.75B | 122.25A |
| 2515 | ---- | 252.25B | 220.25A | ---- | 219.80- | 1770 | .796 | ---- | ---- | 97 | UNCH | 294.50B | 155.25A |
| 2520 | 241.50 | 247.75B | 216.00A | ---- | 215.60- | 1750 | .791 | ---- | 1 | 423 | UNCH | 401.75B | 116.25A |
| 2525 | ---- | 243.25B | 211.50A | ---- | 211.30- | 1750 | .786 | ---- | ---- | 309 | UNCH | 397.50B | 113.50A |
| 2530 | 235.00 | 238.75B | 207.25A | ---- | 207.00- | 1740 | .781 | ---- | 1 | 771 | UNCH | 393.00B | 110.75A |
| 2535 | ---- | 234.25B | 203.00A | ---- | 202.80- | 1720 | .776 | ---- | ---- | 95 | UNCH | 276.00B | 141.25A |
| 2540 | 223.75 | 230.00B | 199.00A | ---- | 198.60- | 1710 | .771 | ---- | 1 | 102 + | 1 | 384.25B | 105.25A |
| 2545 | ---- | 225.50B | 194.75A | ---- | 194.40- | 1690 | .765 | ---- | ---- | 82 | UNCH | 266.75B | 134.50A |
| 2550 | 196.25 | 221.00B | 190.50 | ---- | 190.20- | 1670 | .760 | ---- | 4 | 685 - | 3 | 375.25B | 99.75A |
| 2555 | ---- | 216.75B | 186.25A | ---- | 186.00- | 1660 | .754 | ---- | ---- | 28 | UNCH | 257.75B | 127.75A |
| 2560 | ---- | 212.25B | 182.25A | ---- | 181.90- | 1640 | .749 | ---- | ---- | 497 | UNCH | 366.50B | 94.50A |
| 2565 | 202.00 | 208.00B | 178.00A | ---- | 177.80- | 1620 | .743 | ---- | 1 | 22 + | 1 | 249.00B | 121.00A |
| 2570 | ---- | 203.50B | 174.00A | ---- | 173.70- | 1600 | .737 | ---- | ---- | 494 | UNCH | 358.00B | 89.25A |
| 2575 | ---- | 199.25B | 170.00A | ---- | 169.60- | 1590 | .731 | ---- | 50 | 724 | UNCH | 353.50B | 86.75A |
| 2580 | ---- | 195.00B | 166.00A | ---- | 165.50- | 1580 | .725 | ---- | ---- | 356 | UNCH | 349.25B | 84.25A |
| 2585 | ---- | 190.75B | 162.00A | ---- | 161.50- | 1560 | .718 | ---- | ---- | 19 | UNCH | 230.75B | 108.25A |
| 2590 | 181.50 | 186.25B | 157.75A | ---- | 157.50- | 1550 | .712 | ---- | 1 | 532 + | 1 | 340.50B | 79.50A |
| 2595 | 179.75 | 182.00B | 154.00A | ---- | 153.50- | 1540 | .705 | ---- | 2 | 9 + | 2 | 222.00B | 102.00A |
| 2600 | 163.00 | 177.75B | 150.00A | ---- | 149.50- | 1530 | .698 | ---- | 38 | 3373 + | 4 | 332.00B | 74.75A |
| 2605 | ---- | 173.75B | 146.00A | ---- | 145.60- | 1510 | .691 | ---- | ---- | 91 | UNCH | 213.00B | 96.00A |

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# E-MINI S&P 500 CALL OPTIONS

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*



## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2610 | ---- | 169.50B | 142.00A | ---- | 141.70- | 1500 | .684 | ---- | ---- | 185 | UNCH | 323.75B | 70.25A |
| 2615 | 156.50 | 165.25B | 138.25A | ---- | 137.80- | 1480 | .677 | ---- | 1 | 63 | UNCH | 204.25B | 90.00A |
| 2620 | 161.00 | 161.25B | 134.50A | ---- | 134.00- | 1460 | .669 | ---- | 2 | 1243 | UNCH | 315.25B | 66.00A |
| 2625 | 134.75 | 157.00B | 130.50A | ---- | 130.20- | 1440 | .662 | ---- | 1 | 1260 | UNCH | 311.00B | 63.75A |
| 2630 | ---- | 152.75B | 126.75A | ---- | 126.40- | 1420 | .654 | ---- | ---- | 1703 | UNCH | 306.75B | 61.75A |
| 2635 | ---- | 148.75B | 123.00A | ---- | 122.60- | 1410 | .646 | ---- | ---- | 32 | UNCH | 186.75B | 78.75A |
| 2640 | 123.25 | 144.75B | 119.25A | ---- | 118.90- | 1390 | .638 | ---- | 1 | 558 + | 1 | 298.25B | 57.75A |
| 2645 | ---- | 140.75B | 115.50A | ---- | 115.20- | 1370 | .629 | ---- | ---- | 36 | UNCH | 179.25B | 73.50A |
| 2650 | 115.00 | 136.75B | 110.00 | ---- | 111.50- | 1350 | .621 | ---- | 18 | 1700 + | 7 | 290.00B | 53.75A |
| 2655 | ---- | 132.75B | 108.25A | ---- | 107.90- | 1330 | .612 | ---- | ---- | 95 | UNCH | 172.25B | 68.25A |
| 2660 | ---- | 128.75B | 104.75A | ---- | 104.30- | 1310 | .603 | ---- | ---- | 655 | UNCH | 281.50B | 50.00A |
| 2665 | ---- | 125.00B | 101.25A | ---- | 100.80- | 1290 | .594 | ---- | ---- | 307 | UNCH | 165.00B | 63.25A |
| 2670 | 101.50 | 121.00B | 97.75A | ---- | 97.30- | 1270 | .584 | ---- | 10 | 669 + | 6 | 273.25B | 46.50A |
| 2675 | ---- | 117.25B | 94.25A | ---- | 93.90- | 1240 | .575 | ---- | 9 | 1455 + | 8 | 269.25B | 44.75A |
| 2680 | 105.00 | 113.25B | 90.75A | ---- | 90.50- | 1220 | .565 | ---- | 2 | 801 + | 2 | 265.25B | 43.25A |
| 2685 | ---- | 109.50B | 87.00A | ---- | 87.10- | 1200 | .555 | ---- | ---- | 212 | UNCH | 151.25B | 53.75A |
| 2690 | ---- | 105.75B | 83.75A | ---- | 83.80- | 1180 | .545 | ---- | ---- | 1080 | UNCH | 257.00B | 40.00A |
| 2695 | ---- | 102.00B | 80.50A | ---- | 80.40- | 1170 | .534 | ---- | ---- | 355 | UNCH | 144.50B | 49.25A |
| 2700 | 89.00 | 98.50B | 77.25A | ---- | 77.10- | 1150 | .524 | ---- | 181 | 4561 + | 28 | 249.00B | 37.00A |
| 2705 | ---- | 94.75B | 74.00A | ---- | 73.80- | 1130 | .513 | ---- | 124 | 337 + | 33 | 137.75B | 45.00A |
| 2710 | 75.50 | 91.25B | 71.00A | ---- | 70.60- | 1110 | .502 | ---- | 134 | 786 - | 3 | 241.00B | 34.00A |
| 2715 | 72.75 | 87.75B | 67.75A | ---- | 67.50- | 1080 | .490 | ---- | 95 | 373 + | 16 | 131.25B | 41.00A |
| 2720 | 68.00 | 84.25B | 64.75A | ---- | 64.50- | 1050 | .479 | ---- | 56 | 2258 + | 24 | 233.00B | 31.50A |
| 2725 | 73.25 | 80.75B | 61.75A | ---- | 61.50- | 1020 | .467 | ---- | 511 | 3130 + | 29 | 229.00B | 30.00A |
| 2730 | 67.00 | 77.25B | 58.75A | ---- | 58.60- | 980 | .455 | ---- | 27 | 1442 + | 5 | 225.00B | 28.75A |
| 2735 | 70.50 | 74.00B | 56.00A | ---- | 55.80- | 940 | .443 | ---- | 28 | 929 - | 22 | 118.50B | 33.75A |
| 2740 | 68.00 | 70.75B | 53.25A | ---- | 53.00- | 900 | .431 | ---- | 194 | 1474 + | 153 | 217.25B | 26.50A |
| 2745 | 64.75 | 67.50B | 50.50A | ---- | 50.20- | 880 | .419 | ---- | 784 | 842 - | 59 | 112.25B | 30.50A |
| 2750 | 52.25 | 64.50B | 46.50 | ---- | 47.50- | 840 | .406 | ---- | 1173 | 5884 + | 488 | 209.50B | 24.25A |
| 2755 | 54.00 | 61.25B | 45.25A | ---- | 44.90- | 810 | .393 | ---- | 170 | 871 + | 45 | 106.25B | 27.25A |
| 2760 | 44.50 | 58.25B | 42.75A | ---- | 42.30- | 790 | .380 | ---- | 199 | 3074 - | 29 | 202.00B | 22.25A |
| 2765 | 40.75 | 55.25B | 40.25A | ---- | 39.90- | 760 | .367 | ---- | 162 | 1073 + | 60 | 100.25B | 24.50A |
| 2770 | 39.50 | 52.25B | 37.75A | ---- | 37.50- | 730 | .354 | ---- | 311 | 1829 + | 45 | 194.25B | 20.50A |
| 2775 | 37.00 | 49.50B | 35.50A | ---- | 35.30- | 700 | .341 | ---- | 192 | 2351 + | 75 | 190.50B | 19.50A |
| 2780 | 41.25 | 46.50B | 33.25A | ---- | 33.10- | 670 | .328 | ---- | 7 | 1515 + | 4 | 187.00B | 18.75A |
| 2785 | 32.00 | 44.00B | 31.00A | ---- | 30.90- | 650 | .315 | ---- | 247 | 1297 + | 79 | 88.75B | 19.50A |
| 2790 | 36.25 | 41.25B | 29.00A | ---- | 28.80- | 620 | .301 | ---- | 262 | 5478 + | 10 | 179.50B | 17.00A |
| 2795 | 29.75 | 38.75B | 27.00A | ---- | 26.80- | 590 | .288 | ---- | 98 | 2278 + | 62 | 83.25B | 17.25A |
| 2800 | 31.50 | 36.25B | 25.00 | ---- | 24.90- | 560 | .275 | ---- | 1614 | 6763 + | 947 | 172.25B | 15.50A |
| 2805 | 24.50 | 33.75B | 23.25A | ---- | 23.00- | 530 | .261 | ---- | 148 | 1141 + | 21 | 78.00B | 15.25A |
| 2810 | 29.50 | 31.50B | 21.50A | ---- | 21.30- | 500 | .248 | ---- | 209 | 1511 - | 27 | 165.00B | 14.25A |
| 2815 | 23.00 | 29.25B | 20.00A | ---- | 19.60- | 470 | .235 | ---- | 130 | 721 - | 60 | 84.75 | 13.50A |
| 2820 | 21.25 | 27.25B | 18.25A | ---- | 18.00- | 450 | .222 | ---- | 300 | 4202 + | 77 | 158.00B | 12.75A |
| 2825 | 23.00 | 25.25B | 16.50 | ---- | 16.60- | 410 | .209 | ---- | 272 | 3250 + | 85 | 154.75B | 12.00A |
| 2830 | 16.50 | 23.25B | 15.50A | ---- | 15.20- | 390 | .197 | ---- | 1158 | 6260 + | 267 | 151.25B | 11.25A |
| 2835 | 20.75 | 21.25B | 14.25A | ---- | 14.00- | 360 | .186 | ---- | 10 | 635 + | 10 | 63.25B | 10.50A |
| 2840 | 18.75 | 19.50B | 13.00A | ---- | 12.80- | 330 | .174 | ---- | 88 | 581 + | 2 | 144.25B | 10.00 |
| 2845 | 15.25 | 18.00B | 11.75 | ---- | 11.60- | 310 | .162 | ---- | 102 | 809 + | 46 | 71.75 | 9.25A |
| 2850 | 12.25 | 16.50B | 10.75A | ---- | 10.60- | 280 | .152 | ---- | 1983 | 8596 + | 781 | 137.50B | 8.75A |
| 2855 | 12.75 | 15.00B | 10.00A | ---- | 9.60- | 260 | .141 | ---- | 78 | 876 + | 16 | 68.50 | 8.25A |
| 2860 | 10.75 | 13.75B | 9.00A | ---- | 8.70- | 240 | .131 | ---- | 219 | 2740 | UNCH | 131.00B | 7.75A |
| 2865 | 11.75 | 12.50B | 8.25A | ---- | 7.90- | 220 | .122 | ---- | 41 | 1201 + | 1 | 50.00B | 7.25A |
| 2870 | 10.00 | 11.25B | 7.50 | ---- | 7.20- | 190 | .113 | ---- | 62 | 1072 | UNCH | 124.50B | 6.75A |
| 2875 | 8.50 | 10.25B | 6.75A | ---- | 6.50- | 180 | .105 | ---- | 407 | 2782 | UNCH | 121.50B | 6.50A |
| 2880 | 7.75 | 9.25B | 6.00 | ---- | 5.90- | 160 | .097 | ---- | 1089 | 1969 + | 580 | 118.25B | 6.00A |
| 2885 | 6.50 | 8.25 | *5.50A | ---- | 5.40- | 130 | .090 | ---- | 123 | 1391 + | 115 | 42.50B | 5.50A |
| 2890 | 6.75 | 7.50B | *4.95A | ---- | 4.90- | 120 | .083 | ---- | 289 | 988 + | 155 | 112.25B | 4.95A |
| 2895 | 6.00 | 6.75B | *4.50A | ---- | 4.45- | 105 | .077 | ---- | 38 | 1238 - | 23 | 38.75B | 4.50A |
| 2900 | 5.50 | 6.25 | *4.10A | ---- | 4.05- | 95 | .071 | ---- | 1305 | 6741 + | 140 | 106.25B | 4.10A |
| 2905 | 5.25 | 5.50B | *3.70A | ---- | 3.65- | 90 | .065 | ---- | 42 | 1061 | UNCH | 35.50B | 3.70A |
| 2910 | 3.65 | 5.00B | *3.40A | ---- | 3.35- | 75 | .061 | ---- | 474 | 1395 + | 32 | 100.25B | 3.40A |
| 2915 | 4.40 | 4.60B | *3.10A | ---- | 3.05- | 70 | .056 | ---- | 7 | 711 - | 4 | 29.00B | 3.10A |
| 2920 | 4.15 | 4.15 | *2.85 | ---- | 2.75- | 65 | .051 | ---- | 123 | 986 + | 112 | 94.75B | 2.85 |
| 2925 | 3.60 | 3.75B | *2.50 | ---- | 2.50- | 60 | .047 | ---- | 116 | 3233 | UNCH | 92.00B | 2.50 |
| 2930 | 2.55 | 3.40B | *2.35A | ---- | 2.30- | 55 | .044 | ---- | 144 | 1693 + | 47 | 89.25B | 2.35A |
| 2935 | 3.00 | 3.10B | *2.20A | ---- | 2.10- | 50 | .040 | ---- | 11 | 611 + | 1 | 23.75B | 2.20A |
| 2940 | 2.60 | 2.85B | *2.00A | ---- | 1.95- | 40 | .038 | ---- | 34 | 780 | UNCH | 84.00B | 2.00A |
| 2945 | 2.25 | 2.70 | *1.75 | ---- | 1.80- | 35 | .035 | ---- | 250 | 1256 + | 153 | 24.50 | 1.75 |
| 2950 | 2.45 | 2.45 | *1.70A | ---- | 1.65- | 35 | .032 | ---- | 1945 | 3902 + | 314 | 78.75B | 1.70A |
| 2955 | ---- | 2.15B | *1.60A | ---- | 1.50- | 35 | .030 | ---- | ---- | 321 | UNCH | 19.25B | 1.60A |
| 2960 | ---- | 2.00B | *1.45A | ---- | 1.40- | 30 | .028 | ---- | ---- | 892 | UNCH | 74.25 | 1.45A |
| 2965 | 1.75 | 1.85B | *1.35A | ---- | 1.30- | 25 | .026 | ---- | 68 | 1093 - | 53 | 19.75 | 1.35A |
| 2970 | ---- | 1.70B | *1.25A | ---- | 1.20- | 25 | .024 | ---- | ---- | 1428 | UNCH | 69.00B | 1.25A |
| 2975 | 1.50 | 1.60B | *1.20A | ---- | 1.10- | 25 | .022 | ---- | 2 | 1142 - | 2 | 66.75B | 1.20A |
| 2980 | ---- | 1.45B | *1.10A | ---- | 1.05- | 20 | .021 | ---- | ---- | 661 | UNCH | 64.50B | 1.10A |
| 2985 | 1.40 | 1.40 | *1.05A | ---- | .95- | 25 | .019 | ---- | 1 | 450 | UNCH | 16.25 | 1.05A |
| 2990 | 1.30 | 1.30 | *1.00A | ---- | .90- | 20 | .018 | ---- | 59 | 542 - | 59 | 60.00B | 1.00A |
| 2995 | ---- | 1.20B | *.90A | ---- | .85- | 20 | .017 | ---- | ---- | 631 | UNCH | 12.25B | .90A |
| 3000 | 1.05 | 1.10 | *.85 | ---- | .75- | 20 | .015 | ---- | 108 | 8343 - | 82 | 55.75B | .85 |
| 3005 | ---- | 1.00B | *.80A | ---- | .70- | 20 | .014 | ---- | ---- | 290 | UNCH | 12.75 | .80A |
| 3010 | 0.95 | .95 | *.75A | ---- | .65- | 20 | .013 | ---- | 3 | 546 - | 3 | 51.75B | .75A |
| 3015 | ---- | .90B | *.75A | ---- | .65- | 15 | .013 | ---- | ---- | 470 | UNCH | 12.00 | .75A |
| 3020 | ---- | .85B | *.70A | ---- | .60- | 15 | .012 | ---- | ---- | 687 | UNCH | 48.00B | .70A |
| 3025 | ---- | .80B | *.65A | ---- | .55- | 15 | .011 | ---- | ---- | 669 | UNCH | 46.00B | .65A |
| 3030 | ---- | .70B | *.60A | ---- | .55- | 10 | .011 | ---- | ---- | 376 | UNCH | 44.25B | .60A |
| 3035 | ---- | .70B | ---- | ---- | .50- | 10 | .010 | ---- | ---- | 94 | UNCH | 9.50 | .70A |
| 3040 | ---- | .65B | ---- | ---- | .45- | 10 | .009 | ---- | ---- | 926 | UNCH | 40.75B | .65 |
| 3045 | ---- | .60B | ---- | ---- | .45- | 10 | .009 | ---- | ---- | 289 | UNCH | 2.20B | .60A |
| 3050 | ---- | .55B | ---- | ---- | .40- | 10 | .008 | ---- | ---- | 1403 | UNCH | 37.50B | .55 |
| 3055 | ---- | .55B | *.45A | ---- | .40- | 10 | .008 | ---- | ---- | 287 | UNCH | 2.00B | .45A |
| 3060 | ---- | .50B | ---- | ---- | .35- | 10 | .007 | ---- | ---- | 383 | UNCH | 34.50B | .60A |
| 3070 | ---- | .45B | ---- | ---- | .35- | 5 | .007 | ---- | ---- | 914 | UNCH | 31.75B | .55A |
| 3075 | ---- | ---- | ---- | ---- | .30- | 10 | .006 | ---- | ---- | 366 | UNCH | 30.25B | .55A |
| 3080 | ---- | .40B | ---- | ---- | .30- | 5 | .006 | ---- | ---- | 366 | UNCH | 29.00B | .50A |
| 3090 | ---- | ---- | ---- | ---- | .25- | 10 | .005 | ---- | ---- | 507 | UNCH | 26.50B | .45A |
| 3100 | 0.35 | .35 | *.30A | ---- | .25- | 5 | .005 | ---- | 5 | 1425 + | 5 | 24.25B | .30A |
| 3110 | ---- | ---- | *.25A | ---- | .20- | 10 | .004 | ---- | ---- | 366 | UNCH | 22.00B | .25A |
| 3120 | 0.30 | .30 | *.25A | ---- | .20- | 5 | .004 | ---- | 100 | 572 + | 88 | 20.25B | .25A |
| 3125 | ---- | ---- | ---- | ---- | .15- | 10 | .003 | ---- | ---- | 426 | UNCH | 19.25B | .35A |
| 3130 | 0.25 | .25 | *.25 | ---- | .15- | 10 | .003 | ---- | 30 | 524 | UNCH | 18.50B | .25 |
| 3140 | ---- | ---- | ---- | ---- | .15- | 5 | .003 | ---- | ---- | 1010 | UNCH | 16.75B | .25 |
| 3150 | ---- | ---- | ---- | ---- | .10- | 10 | .002 | ---- | ---- | 911 | UNCH | 15.00B | .25 |
| 3160 | ---- | ---- | ---- | ---- | .10- | 10 | .002 | ---- | ---- | 775 | UNCH | 13.50B | .30A |
| 3170 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 195 | UNCH | 13.00B | .25A |
| 3175 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 225 | UNCH | 11.75B | .25A |
| 3180 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 491 | UNCH | 11.75B | .20 |
| 3190 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 354 | UNCH | 10.25B | .25A |
| 3200 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 783 | UNCH | 10.25 | .20A |
| 3210 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 164 | UNCH | 8.75B | .20A |
| 3220 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 377 | UNCH | 8.00B | .20A |
| 3225 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 244 | UNCH | 7.50B | .20A |
| 3230 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 711 | UNCH | 7.75B | .10 |
| 3240 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 208 | UNCH | 6.75B | .20A |
| 3250 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 108 | UNCH | 7.50 | .25A |
| 3260 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 138 | UNCH | 5.75B | .30A |
| 3270 | 0.10 | .10 | *.10 | ---- | .05 | UNCH | .000 | ---- | 25 | 138 + | 25 | 5.25B | .10 |
| 3275 | 0.10 | .10 | *.10 | ---- | .05 | UNCH | .000 | ---- | 75 | 361 + | 35 | 5.00B | .10 |
| 3280 | 0.10 | .10 | *.10 | ---- | .05 | UNCH | .000 | ---- | 25 | 698 + | 25 | 5.00B | .10 |
| 3290 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 32 | UNCH | 4.90B | .15A |
| 3300 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 213 | UNCH | 4.30B | .15 |
| 3310 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 74 | UNCH | 4.25B | .15 |
| 3320 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 25 | UNCH | 4.00 | .15A |
| 3325 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 156 | UNCH | 3.85B | .15 |
| 3330 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 124 | UNCH | 3.55B | .15 |
| 3340 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 60 | UNCH | 3.30B | .15 |
| 3350 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 13 | UNCH | 3.40 | .20A |
| 3360 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 27 | UNCH | 3.00 | .20A |
| 3370 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 166 | UNCH | 2.70B | .10 |
| 3375 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 5 | UNCH | 2.60B | .10A |
| 3380 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 51 | UNCH | 2.70 | .10 |
| 3390 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 16 | UNCH | 2.05B | .10A |
| 3400 | 0.05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 1 | 13 | UNCH | 2.55 | .05 |
| 3410 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 12 | UNCH | 2.00 | .10A |
| 3425 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 101 | UNCH | 1.90B | .10A |
| 3450 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 482 | UNCH | 1.60B | .10A |
| 3475 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 334 | UNCH | 1.35B | .10A |
| 3500 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 327 | UNCH | 1.60B | .20 |
| 3525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 77 | UNCH | .90B | .50 |
| 3600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 160 | UNCH | .55 | .05 |
| TOTAL | | | | | | | | | 18417 | 179300 + | 4843 | | |
| DEC18 | EMINI S&P CALL | | | | | | | | | | | | |
| 1825 | ---- | ---- | ---- | ---- | 885.60- | 2310 | .973 | ---- | ---- | 100 | UNCH | 999.25B | 793.25A |
| 1850 | ---- | ---- | ---- | ---- | 861.10- | 2300 | .971 | ---- | ---- | 100 | UNCH | 974.75B | 755.25A |
| 1870 | ---- | ---- | ---- | ---- | 841.60- | 2290 | .969 | ---- | ---- | 3 | UNCH | 955.25B | 738.75A |

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# E-MINI S&P 500 CALL OPTIONS

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1880 | ---- | ---- | ---- | ---- | 831.80- | 2290 | .968 | ---- | ---- | 1 | UNCH | 945.50B | 730.25A |
| 1890 | ---- | ---- | ---- | ---- | 822.10- | 2280 | .967 | ---- | ---- | 2 | UNCH | 935.75B | 721.50A |
| 1900 | ---- | ---- | ---- | ---- | 812.40- | 2270 | .965 | ---- | ---- | 1 | UNCH | 926.25B | 713.00A |
| 1925 | ---- | ---- | ---- | ---- | 788.10- | 2270 | .962 | ---- | ---- | 2 | UNCH | 902.00B | 669.00A |
| 1930 | ---- | ---- | ---- | ---- | 783.20- | 2270 | .962 | ---- | ---- | 1 | UNCH | 897.25B | 664.75A |
| 1980 | ---- | ---- | ---- | ---- | 735.00- | 2230 | .954 | ---- | ---- | 1 | UNCH | 849.00B | 621.50A |
| 1990 | ---- | ---- | ---- | ---- | 725.40- | 2220 | .953 | ---- | ---- | 101 | UNCH | 839.50B | 613.00A |
| 2000 | ---- | ---- | ---- | ---- | 715.80- | 2210 | .951 | ---- | ---- | 8 | UNCH | 830.00B | 604.50A |
| 2010 | ---- | ---- | ---- | ---- | 706.20- | 2200 | .949 | ---- | ---- | 7 | UNCH | 820.25B | 596.00A |
| 2020 | ---- | ---- | ---- | ---- | 696.60- | 2190 | .947 | ---- | ---- | 6 | UNCH | 810.75B | 587.50A |
| 2050 | ---- | ---- | ---- | ---- | 667.90- | 2180 | .942 | ---- | ---- | 1 | UNCH | 782.25B | 562.25A |
| 2075 | ---- | ---- | ---- | ---- | 644.10- | 2170 | .937 | ---- | ---- | 1 | UNCH | 758.50B | 530.50A |
| 2125 | ---- | ---- | ---- | ---- | 597.00- | 2120 | .925 | ---- | ---- | 3 | UNCH | 711.50B | 487.75A |
| 2150 | ---- | ---- | ---- | ---- | 573.60- | 2090 | .919 | ---- | ---- | 11 | UNCH | 688.25B | 466.75A |
| 2160 | ---- | ---- | ---- | ---- | 564.30- | 2080 | .916 | ---- | ---- | 20 | UNCH | 678.75B | 458.75A |
| 2170 | ---- | ---- | ---- | ---- | 554.90- | 2080 | .913 | ---- | ---- | 9 | UNCH | 669.50B | 450.25A |
| 2175 | ---- | ---- | ---- | ---- | 550.30- | 2070 | .912 | ---- | ---- | 19 | UNCH | 665.00B | 446.25A |
| 2180 | ---- | ---- | ---- | ---- | 545.60- | 2070 | .910 | ---- | ---- | 19 | UNCH | 660.25B | 442.00A |
| 2190 | ---- | ---- | ---- | ---- | 536.30- | 2060 | .908 | ---- | ---- | 30 | UNCH | 651.00B | 434.00A |
| 2200 | ---- | ---- | ---- | ---- | 527.00- | 2060 | .904 | ---- | ---- | 2 | UNCH | 677.00B | 425.75A |
| 2210 | ---- | ---- | ---- | ---- | 517.70- | 2050 | .901 | ---- | ---- | 116 | UNCH | 667.75B | 417.75A |
| 2220 | ---- | ---- | ---- | ---- | 508.50- | 2040 | .898 | ---- | ---- | 29 | UNCH | 658.50B | 409.50A |
| 2225 | ---- | ---- | ---- | ---- | 503.90- | 2030 | .896 | ---- | ---- | 80 | UNCH | 654.00B | 405.50A |
| 2230 | ---- | ---- | ---- | ---- | 499.30- | 2030 | .895 | ---- | ---- | 4 | UNCH | 649.25B | 401.50A |
| 2240 | ---- | ---- | ---- | ---- | 490.10- | 2020 | .891 | ---- | ---- | 10 | UNCH | 643.75B | 393.50A |
| 2250 | ---- | ---- | ---- | ---- | 481.00- | 2010 | .888 | ---- | ---- | 15 | UNCH | 642.50B | 385.50A |
| 2260 | ---- | ---- | ---- | ---- | 471.90- | 1990 | .884 | ---- | ---- | 117 | UNCH | 645.00B | 377.50A |
| 2270 | ---- | ---- | ---- | ---- | 462.90- | 1970 | .880 | ---- | ---- | 191 | UNCH | 641.50B | 369.75A |
| 2275 | ---- | ---- | ---- | ---- | 458.30- | 1970 | .878 | ---- | ---- | 1 | UNCH | 637.00B | 366.00A |
| 2280 | ---- | ---- | ---- | ---- | 453.80- | 1970 | .876 | ---- | ---- | 15 | UNCH | 632.25B | 362.00A |
| 2290 | ---- | ---- | 447.75A | ---- | 444.90- | 1940 | .872 | ---- | ---- | 98 | UNCH | 623.25B | 354.00A |
| 2300 | ---- | ---- | 439.25A | ---- | 435.90- | 1930 | .867 | ---- | ---- | 31 | UNCH | 614.00B | 346.25A |
| 2310 | 444.00 | 444.00 | 427.75A | ---- | 427.00- | 1920 | .863 | ---- | 1 | 36 + | 1 | 605.00B | 338.75A |
| 2320 | ---- | 440.00B | 419.00A | ---- | 418.00- | 1910 | .859 | ---- | ---- | 13 | UNCH | 595.75B | 331.00A |
| 2325 | ---- | 437.00B | 414.50A | ---- | 413.60- | 1900 | .856 | ---- | ---- | 1 | UNCH | 591.25B | 327.25A |
| 2330 | ---- | 434.25B | 409.50A | ---- | 409.10- | 1910 | .854 | ---- | ---- | 42 | UNCH | 586.75B | 323.50A |
| 2340 | ---- | 428.25B | 400.75A | ---- | 400.20- | 1900 | .849 | ---- | ---- | 20 | UNCH | 577.75B | 316.00A |
| 2350 | ---- | 424.25B | 391.75A | ---- | 391.40- | 1890 | .844 | ---- | ---- | 332 | UNCH | 568.75B | 308.50A |
| 2360 | ---- | 403.50B | 383.00A | ---- | 382.60- | 1880 | .839 | ---- | ---- | 83 | UNCH | 559.75B | 301.25A |
| 2370 | ---- | 397.50B | 374.25A | ---- | 373.80- | 1870 | .834 | ---- | ---- | 31 | UNCH | 550.75B | 293.75A |
| 2375 | ---- | 395.50B | 370.00A | ---- | 369.50- | 1850 | .831 | ---- | ---- | 39 | UNCH | 546.25B | 290.00A |
| 2380 | ---- | 393.50B | 365.75A | ---- | 365.20- | 1840 | .829 | ---- | ---- | 8 | UNCH | 541.75B | 286.00A |
| 2390 | ---- | 389.25B | 357.00A | ---- | 356.50- | 1820 | .823 | ---- | ---- | 36 | UNCH | 533.00B | 278.25A |
| 2400 | ---- | 380.50B | 348.50A | ---- | 347.90- | 1800 | .817 | ---- | ---- | 258 | UNCH | 524.00B | 270.50A |
| 2410 | ---- | 371.50B | 339.75A | ---- | 339.40- | 1780 | .811 | ---- | ---- | 163 | UNCH | 515.25B | 262.75A |
| 2420 | ---- | 362.75B | 331.25A | ---- | 330.90- | 1760 | .805 | ---- | ---- | 61 | UNCH | 506.25B | 255.00A |
| 2425 | ---- | 358.25B | 327.00A | ---- | 326.60- | 1760 | .802 | ---- | ---- | 101 | UNCH | 502.00B | 251.25A |
| 2430 | ---- | 354.00B | 322.75A | ---- | 322.40- | 1740 | .799 | ---- | ---- | 35 | UNCH | 497.50B | 247.50A |
| 2440 | ---- | 345.25B | 314.50A | ---- | 313.90- | 1730 | .792 | ---- | ---- | 94 | UNCH | 488.75B | 240.00A |
| 2450 | ---- | 336.50B | 306.00A | ---- | 305.50- | 1720 | .785 | ---- | ---- | 749 | UNCH | 480.00B | 232.50A |
| 2460 | ---- | 328.00B | 297.75A | ---- | 297.20- | 1700 | .778 | ---- | ---- | 119 | UNCH | 471.25B | 225.25A |
| 2470 | ---- | 319.25B | 289.50A | ---- | 288.90- | 1680 | .771 | ---- | ---- | 61 | UNCH | 462.50B | 218.00A |
| 2475 | ---- | 315.00B | 285.25A | ---- | 284.80- | 1670 | .768 | ---- | ---- | 216 | UNCH | 458.25B | 214.25A |
| 2480 | ---- | 310.75B | 281.25A | ---- | 280.70- | 1670 | .764 | ---- | ---- | 65 | UNCH | 454.00B | 210.75A |
| 2490 | ---- | 302.25B | 273.00A | ---- | 272.50- | 1650 | .756 | ---- | ---- | 48 | UNCH | 445.25B | 203.75A |
| 2500 | ---- | 293.75B | 265.00A | ---- | 264.40- | 1630 | .748 | ---- | ---- | 342 | UNCH | 441.00B | 196.50A |
| 2510 | ---- | 285.50B | 256.75A | ---- | 256.40- | 1610 | .740 | ---- | ---- | 213 | UNCH | 432.50B | 189.75A |
| 2520 | ---- | 277.00B | 248.75A | ---- | 248.40- | 1590 | .732 | ---- | ---- | 39 | UNCH | 424.00B | 182.75A |
| 2525 | ---- | 273.00B | 244.75A | ---- | 244.40- | 1580 | .728 | ---- | ---- | 286 | UNCH | 419.75B | 179.50A |
| 2530 | ---- | 268.75B | 240.75A | ---- | 240.50- | 1570 | .723 | ---- | ---- | 112 | UNCH | 415.50B | 176.00A |
| 2540 | ---- | 260.50B | 233.00A | ---- | 232.60- | 1550 | .714 | ---- | ---- | 134 | UNCH | 407.00B | 169.25A |
| 2550 | ---- | 252.25B | 225.25A | ---- | 224.70- | 1540 | .705 | ---- | ---- | 424 | UNCH | 398.50B | 162.75A |
| 2560 | ---- | 244.25B | 217.50A | ---- | 217.00- | 1510 | .696 | ---- | ---- | 203 | UNCH | 390.50B | 156.25A |
| 2570 | ---- | 236.25B | 209.75A | ---- | 209.30- | 1490 | .686 | ---- | ---- | 85 | UNCH | 382.00B | 150.00A |
| 2575 | ---- | 232.25B | 206.00A | ---- | 205.50- | 1480 | .681 | ---- | ---- | 143 | UNCH | 378.00B | 146.75A |
| 2580 | ---- | 228.25B | 202.25A | ---- | 201.70- | 1470 | .676 | ---- | ---- | 102 | UNCH | 373.75B | 143.50A |
| 2590 | ---- | 220.25B | 194.75A | ---- | 194.20- | 1440 | .666 | ---- | ---- | 157 | UNCH | 365.50B | 137.50A |
| 2600 | 209.75 | 212.50B | 187.25A | ---- | 186.70- | 1420 | .656 | ---- | 3 | 3084 | UNCH | 357.25B | 131.25A |
| 2605 | ---- | 208.50B | *183.50A | ---- | 183.00- | 1410 | .650 | ---- | ---- | 10 | UNCH | 233.50B | 183.50A |
| 2610 | ---- | 204.50B | 179.75A | ---- | 179.40- | 1390 | .645 | ---- | 2 | 60 + | 2 | 349.25B | 125.50A |
| 2620 | 190.50 | 197.00B | 172.50A | ---- | 172.10- | 1370 | .634 | ---- | 5 | 704 + | 5 | 341.25B | 119.50A |
| 2625 | ---- | 193.00B | 169.00A | ---- | 168.50- | 1360 | .628 | ---- | ---- | 455 | UNCH | 337.00B | 116.75A |
| 2630 | ---- | 189.25B | 165.50A | ---- | 164.90- | 1350 | .622 | ---- | ---- | 932 | UNCH | 333.00B | 113.75A |
| 2640 | ---- | 181.75B | 158.25A | ---- | 157.80- | 1320 | .610 | ---- | ---- | 606 | UNCH | 325.00B | 108.25A |
| 2650 | ---- | 174.25B | 151.50A | ---- | 150.70- | 1310 | .598 | ---- | ---- | 4287 | UNCH | 317.00B | 102.75A |
| 2660 | ---- | 167.00B | 144.50A | ---- | 143.80- | 1280 | .586 | ---- | ---- | 632 | UNCH | 309.00B | 97.25A |
| 2665 | 143.25 | 163.25B | *141.00A | ---- | 140.40- | 1270 | .579 | ---- | 1 | 27 | UNCH | 186.25B | 141.00A |
| 2670 | ---- | 159.75B | 137.75A | ---- | 137.00- | 1250 | .573 | ---- | ---- | 286 | UNCH | 301.25B | 92.25A |
| 2675 | 136.50 | 156.00B | 134.25A | ---- | 133.70- | 1230 | .566 | ---- | 1 | 1112 | UNCH | 297.25B | 89.50A |
| 2680 | ---- | 152.50B | 131.00A | ---- | 130.30- | 1230 | .559 | ---- | ---- | 431 | UNCH | 293.25B | 87.00A |
| 2690 | 138.50 | 145.50B | 124.50A | ---- | 123.70- | 1200 | .546 | ---- | 12 | 335 + | 12 | 285.50B | 82.00A |
| 2695 | 135.00 | 142.00B | *121.25A | ---- | 120.50- | 1180 | .539 | ---- | 6 | 30 + | 6 | 163.75B | 121.25A |
| 2700 | 118.50 | 138.50B | 118.00A | ---- | 117.30- | 1160 | .532 | ---- | 650 | 3820 + | 128 | 278.00B | 77.25A |
| 2705 | 115.00 | 135.00B | *114.75A | ---- | 114.10- | 1140 | .525 | ---- | 6 | 11 + | 1 | 156.50B | 114.75A |
| 2710 | 120.25 | 131.50B | 111.75A | ---- | 111.00- | 1120 | .517 | ---- | 25 | 463 + | 25 | 270.25B | 72.75A |
| 2715 | ---- | 128.25B | 108.50A | ---- | 107.90- | 1100 | .510 | ---- | ---- | 47 | UNCH | 158.50B | 70.50A |
| 2720 | ---- | 125.00B | 105.50A | ---- | 104.80- | 1080 | .503 | ---- | ---- | 2440 | UNCH | 262.75B | 68.25A |
| 2725 | ---- | 121.75B | 102.50A | ---- | 101.80- | 1060 | .495 | ---- | ---- | 825 | UNCH | 259.00B | 66.00A |
| 2730 | 105.00 | 118.50B | 99.25 | ---- | 98.80- | 1040 | .488 | ---- | 25 | 353 + | 5 | 255.25B | 64.00A |
| 2735 | ---- | 115.25B | 96.50A | ---- | 95.80- | 1020 | .480 | ---- | ---- | 78 | UNCH | 144.25B | 61.75A |
| 2740 | 104.25 | 112.00B | 93.50A | ---- | 92.90- | 1000 | .472 | ---- | 2 | 892 + | 1 | 247.75B | 59.75A |
| 2745 | 99.25 | 108.75B | 90.75A | ---- | 90.00- | 970 | .464 | ---- | 16 | 175 - | 14 | 137.50B | 57.75A |
| 2750 | 97.50 | 105.50B | 87.75A | ---- | 87.20- | 950 | .457 | ---- | 103 | 2653 - | 102 | 240.25B | 55.75A |
| 2755 | 93.00 | 102.50B | *85.00A | ---- | 84.30+ | NEW | .449 | ---- | 1 | 1 + | 1 | 121.25B | 85.00A |
| 2760 | ---- | 99.25B | 82.00A | ---- | 81.60- | 910 | .441 | ---- | ---- | 692 | UNCH | 233.00B | 51.75A |
| 2765 | ---- | 96.25B | *79.25A | ---- | 78.80- | 900 | .432 | ---- | ---- | 12 | UNCH | 114.75B | 79.25A |
| 2770 | ---- | 93.25B | 76.75A | ---- | 76.10- | 880 | .424 | ---- | ---- | 493 | UNCH | 225.75B | 48.25A |
| 2775 | 86.00 | 90.25B | 74.00A | ---- | 73.40- | 870 | .416 | ---- | 12 | 1308 + | 12 | 222.25B | 46.50A |
| 2780 | ---- | 87.25B | 71.25A | ---- | 70.80- | 850 | .407 | ---- | ---- | 373 | UNCH | 218.50B | 44.75A |
| 2785 | ---- | 84.25B | 68.75A | ---- | 68.20- | 830 | .399 | ---- | ---- | 182 | UNCH | 110.75B | 60.50A |
| 2790 | 68.75 | 81.50B | 66.25A | ---- | 65.60- | 820 | .390 | ---- | 96 | 1088 + | 51 | 211.50B | 41.25A |
| 2795 | ---- | 78.75B | 63.75A | ---- | 63.10- | 810 | .382 | ---- | ---- | 237 | UNCH | 104.25B | 55.75A |
| 2800 | 63.25 | 76.00B | 61.25A | ---- | 60.70- | 780 | .373 | ---- | 14 | 4906 - | 2 | 204.50B | 38.25A |
| 2805 | ---- | 73.25B | *59.00A | ---- | 58.30- | 760 | .365 | ---- | ---- | 18 | UNCH | 89.50B | 59.00A |
| 2810 | ---- | 70.50B | 56.50A | ---- | 55.90- | 750 | .356 | ---- | ---- | 1034 | UNCH | 197.75B | 35.25A |
| 2815 | ---- | 67.75B | 54.25A | ---- | 53.60- | 730 | .347 | ---- | ---- | 308 | UNCH | 92.25B | 33.75A |
| 2820 | ---- | 65.25B | 52.00A | ---- | 51.40- | 700 | .338 | ---- | 45 | 1117 - | 45 | 190.75B | 32.50A |
| 2825 | 57.50 | 62.50B | 49.75A | ---- | 49.20- | 680 | .329 | ---- | 57 | 535 + | 32 | 187.50B | 31.00A |
| 2830 | 48.25 | 60.00B | 47.50A | ---- | 47.10- | 650 | .321 | ---- | 5 | 687 | UNCH | 184.00B | 29.75A |
| 2835 | ---- | 57.75B | *45.50A | ---- | 45.00- | 630 | .312 | ---- | ---- | 120 | UNCH | 72.25B | 45.50A |
| 2840 | 50.50 | 55.25B | 43.50A | ---- | 43.00- | 610 | .303 | ---- | 1 | 2025 | UNCH | 177.50B | 27.25A |
| 2845 | 52.00 | 53.00B | 41.50A | ---- | 41.00- | 590 | .294 | ---- | 103 | 286 - | 1 | 75.00B | 36.00A |
| 2850 | 40.25 | 50.75B | 39.50A | ---- | 39.10- | 570 | .285 | ---- | 62 | 2112 | UNCH | 171.00B | 25.00A |
| 2855 | 43.75 | 48.50B | *37.75A | ---- | 37.30- | 540 | .277 | ---- | 20 | 51 + | 12 | 61.75B | 37.75A |
| 2860 | 37.25 | 46.25B | 35.75A | ---- | 35.50- | 520 | .268 | ---- | 4 | 606 | UNCH | 164.50B | 23.00A |
| 2865 | ---- | 44.00B | *34.00A | ---- | 33.80- | 500 | .259 | ---- | ---- | 63 | UNCH | 57.00B | 34.00A |
| 2870 | 41.50 | 42.00B | 32.25A | ---- | 32.10- | 480 | .251 | ---- | 6 | 2294 | UNCH | 158.00B | 21.00A |
| 2875 | ---- | 40.00B | 30.75A | ---- | 30.50- | 460 | .242 | ---- | ---- | 1023 | UNCH | 155.00B | 20.00A |
| 2880 | ---- | 38.00B | 29.00A | ---- | 28.90- | 440 | .234 | ---- | 30 | 570 + | 30 | 151.75B | 19.00A |
| 2885 | 30.50 | 36.25B | *27.50A | ---- | 27.40- | 420 | .226 | ---- | 1 | 180 + | 1 | 47.75B | 27.50A |
| 2890 | 28.75 | 34.25B | 26.00A | ---- | 25.90- | 410 | .217 | ---- | 2 | 806 + | 2 | 146.75 | 17.50A |
| 2895 | ---- | 32.50B | *24.75A | ---- | 24.50- | 390 | .209 | ---- | ---- | 82 | UNCH | 43.50B | 24.75A |
| 2900 | 23.50 | 31.00B | 23.25A | ---- | 23.10- | 380 | .201 | ---- | 147 | 3144 + | 108 | 139.75B | 15.75 |
| 2905 | ---- | 29.25B | *22.00A | ---- | 21.80- | 360 | .193 | ---- | ---- | 96 | UNCH | 39.75B | 22.00A |
| 2910 | 23.00 | 27.75B | 20.75A | ---- | 20.60- | 340 | .185 | ---- | 1 | 3731 | UNCH | 133.75B | 14.50A |
| 2915 | 20.50 | 26.25B | 19.50A | ---- | 19.40- | 330 | .177 | ---- | 10 | 397 + | 10 | 42.50B | 13.75A |
| 2920 | 24.50 | 24.75B | 18.50A | ---- | 18.30- | 310 | .170 | ---- | 1 | 903 + | 1 | 128.00B | 13.25A |
| 2925 | 17.50 | 23.25 | 17.25A | ---- | 17.20- | 300 | .163 | ---- | 24 | 920 + | 24 | 125.25B | 12.50A |
| 2930 | 17.25 | 22.00B | 16.25A | ---- | 16.10- | 290 | .155 | ---- | 12 | 387 + | 11 | 122.25B | 12.00A |
| 2935 | 15.50 | 20.75B | *15.50 | ---- | 15.20- | 270 | .148 | ---- | 20 | 50 + | 20 | 29.00B | 15.50 |
| 2940 | 15.25 | 19.50B | 14.50 | ---- | 14.20- | 260 | .141 | ---- | 76 | 636 + | 25 | 116.75B | 11.00A |
| 2945 | 18.25 | 18.25 | *13.50A | ---- | 13.40- | 240 | .135 | ---- | 1 | 225 + | 1 | 26.50B | 13.50A |
| 2950 | 17.25 | 17.25 | 12.75A | ---- | 12.50- | 230 | .128 | ---- | 104 | 2629 + | 75 | 111.50B | 10.00A |
| 2955 | 12.25 | 16.25B | *12.00 | ---- | 11.70- | 220 | .122 | ---- | 5 | 20 + | 4 | 23.75B | 12.00 |
| 2960 | 11.50 | 15.25B | 11.25A | ---- | 11.00- | 200 | .116 | ---- | 1 | 914 - | 1 | 106.25B | 9.25A |
| 2965 | 10.75 | 14.25B | *10.75 | ---- | 10.30- | 190 | .111 | ---- | 1 | 11 | UNCH | 20.50B | 10.75 |
| 2970 | 11.50 | 13.50B | 10.00A | ---- | 9.70- | 180 | .106 | ---- | 53 | 1166 + | 1 | 101.00B | 8.25A |
| 2975 | ---- | 12.50B | 9.50A | ---- | 9.10- | 160 | .100 | ---- | 120 | 430 - | 120 | 98.50B | 8.00 |
| 2980 | ---- | 11.75B | 8.75A | ---- | 8.60- | 150 | .096 | ---- | ---- | 802 | UNCH | 95.75B | 7.75A |
| 2985 | ---- | 11.00B | *8.25A | ---- | 8.00- | 140 | .091 | ---- | ---- | 25 | UNCH | 16.25B | 8.25A |
| 2990 | ---- | 10.25B | 7.75A | ---- | 7.60- | 120 | .087 | ---- | ---- | 785 | UNCH | 91.00B | 7.00A |
| 2995 | ---- | 9.50B | *7.25A | ---- | 7.10- | 120 | .082 | ---- | ---- | 20 | UNCH | 14.25B | 7.25A |
| 3000 | 7.25 | 9.00 | 6.75 | ---- | 6.70- | 100 | .078 | ---- | 564 | 3257 - | 186 | 86.25B | 6.25A |
| 3005 | ---- | 8.50B | *6.50A | ---- | 6.30- | 90 | .074 | ---- | ---- | 52 | UNCH | 12.50B | 6.50A |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3010 | 6.50 | 7.75B | 6.00A | ---- | 5.90- | 90 | .070 | ---- | 90 | 381 | UNCH | 81.50B | 5.75A |
| 3015 | ---- | 7.25B | *5.75A | ---- | 5.50- | 80 | .067 | ---- | ---- | 1 | UNCH | 11.25B | 5.75A |
| 3020 | 5.25 | 6.75B | 5.25 | ---- | 5.20- | 80 | .063 | ---- | 2 | 555 - | 1 | 77.25B | 5.25A |
| 3025 | 4.90 | 6.50B | *4.90 | ---- | 4.90- | 70 | .060 | ---- | 1 | 1271 | UNCH | 75.00B | 4.90 |
| 3030 | 4.55 | 6.00B | *4.55 | ---- | 4.55- | 65 | .057 | ---- | 1 | 389 - | 1 | 72.75B | 4.55 |
| 3035 | ---- | 5.50B | *4.40A | ---- | 4.30- | 60 | .054 | ---- | ---- | 6 | UNCH | 8.75B | 4.40A |
| 3040 | ---- | 5.25B | *4.15A | ---- | 4.00- | 65 | .051 | ---- | ---- | 428 | UNCH | 68.75B | 4.15A |
| 3045 | ---- | 5.00B | *3.90A | ---- | 3.75- | 60 | .048 | ---- | ---- | 89 | UNCH | 7.75B | 3.90A |
| 3050 | ---- | 4.75B | *3.70A | ---- | 3.55- | 55 | .046 | ---- | 345 | 3430 | UNCH | 64.75B | 3.70A |
| 3055 | 3.65 | 4.45B | *3.50A | ---- | 3.30- | 55 | .043 | ---- | 121 | 123 | UNCH | 6.75B | 3.50A |
| 3060 | ---- | 4.20B | *3.30A | ---- | 3.10- | 55 | .041 | ---- | ---- | 329 | UNCH | 61.00B | 3.30A |
| 3065 | ---- | 3.95B | *3.10A | ---- | 2.90- | 55 | .039 | ---- | ---- | 14 | UNCH | 6.00B | 3.10A |
| 3070 | ---- | 3.70B | *2.95A | ---- | 2.75- | 50 | .037 | ---- | ---- | 760 | UNCH | 57.25B | 2.95A |
| 3075 | ---- | 3.50B | *2.80A | ---- | 2.60- | 45 | .035 | ---- | ---- | 878 | UNCH | 55.50B | 2.80A |
| 3080 | ---- | 3.30B | *2.65A | ---- | 2.45- | 45 | .033 | ---- | ---- | 746 | UNCH | 53.75B | 2.65A |
| 3090 | 2.75 | 2.90B | *2.35A | ---- | 2.15- | 45 | .029 | ---- | 120 | 730 - | 54 | 50.25B | 2.35A |
| 3100 | 2.50 | 2.60B | *2.00 | ---- | 1.95- | 40 | .027 | ---- | 154 | 3073 - | 145 | 47.00B | 2.00 |
| 3110 | 2.05 | 2.35B | *1.90A | ---- | 1.75- | 35 | .024 | ---- | 1 | 1135 + | 1 | 44.00B | 1.90A |
| 3120 | 1.85 | 2.10B | *1.75A | ---- | 1.60- | 30 | .022 | ---- | 1 | 351 + | 1 | 41.00B | 1.75A |
| 3125 | ---- | 2.00B | *1.65A | ---- | 1.50- | 30 | .021 | ---- | ---- | 320 | UNCH | 39.75B | 1.65A |
| 3130 | ---- | 1.85B | *1.60A | ---- | 1.45- | 30 | .020 | ---- | ---- | 303 | UNCH | 38.25B | 1.60A |
| 3140 | ---- | 1.70B | *1.45A | ---- | 1.30- | 25 | .018 | ---- | ---- | 320 | UNCH | 35.75B | 1.45A |
| 3150 | ---- | 1.50B | *1.30A | ---- | 1.20- | 25 | .017 | ---- | ---- | 3825 | UNCH | 33.25B | 1.30A |
| 3160 | ---- | 1.40B | *1.20A | ---- | 1.10- | 20 | .016 | ---- | ---- | 1143 | UNCH | 31.00B | 1.20A |
| 3170 | ---- | 1.25B | *1.10A | ---- | 1.00- | 20 | .014 | ---- | ---- | 243 | UNCH | 28.75B | 1.10A |
| 3175 | ---- | 1.20B | *1.05A | ---- | .95- | 20 | .014 | ---- | ---- | 477 | UNCH | 27.75B | 1.05A |
| 3180 | ---- | 1.15B | *1.05A | ---- | .90- | 20 | .013 | ---- | ---- | 900 | UNCH | 26.75B | 1.05A |
| 3190 | ---- | 1.05B | *.95A | ---- | .85- | 15 | .012 | ---- | ---- | 203 | UNCH | 24.75B | .95A |
| 3200 | 0.90 | .95B | *.90 | ---- | .80- | 10 | .011 | ---- | 1 | 2669 + | 1 | 23.00B | .90 |
| 3210 | ---- | .90B | ---- | ---- | .70- | 15 | .010 | ---- | ---- | 798 | UNCH | 21.25B | .95A |
| 3220 | ---- | ---- | ---- | ---- | .65- | 15 | .009 | ---- | ---- | 154 | UNCH | 19.75B | 1.05A |
| 3225 | ---- | .80B | ---- | ---- | .65- | 10 | .009 | ---- | ---- | 153 | UNCH | 19.00B | .85A |
| 3230 | ---- | .75B | ---- | ---- | .60- | 10 | .009 | ---- | ---- | 132 | UNCH | 18.25B | 1.00A |
| 3240 | ---- | .70B | ---- | ---- | .55- | 10 | .008 | ---- | ---- | 41 | UNCH | 17.00 | .95A |
| 3250 | 0.70 | .70 | *.65A | ---- | .55- | 5 | .008 | ---- | 1 | 1564 | UNCH | 16.00 | .65A |
| 3260 | ---- | ---- | ---- | ---- | .50- | 10 | .007 | ---- | ---- | 162 | UNCH | 14.75B | .85A |
| 3270 | ---- | ---- | ---- | ---- | .45- | 10 | .006 | ---- | ---- | 168 | UNCH | 13.75B | .80A |
| 3275 | ---- | ---- | ---- | ---- | .45- | 10 | .006 | ---- | ---- | 103 | UNCH | 13.25B | .80A |
| 3280 | ---- | .55B | ---- | ---- | .40- | 10 | .006 | ---- | ---- | 305 | UNCH | 12.75B | .80A |
| 3290 | 0.60 | .60 | *.55A | ---- | .40- | 10 | .006 | ---- | 2 | 120 | UNCH | 11.75B | .55A |
| 3300 | ---- | ---- | ---- | ---- | .35- | 10 | .005 | ---- | ---- | 745 | UNCH | 11.00B | .65 |
| 3310 | ---- | ---- | ---- | ---- | .35- | 10 | .005 | ---- | ---- | 50 | UNCH | 10.25B | .65A |
| 3320 | ---- | ---- | ---- | ---- | .30- | 10 | .004 | ---- | ---- | 50 | UNCH | 9.50B | .45 |
| 3325 | ---- | ---- | ---- | ---- | .30- | 10 | .004 | ---- | ---- | 96 | UNCH | 9.25 | .65A |
| 3330 | ---- | ---- | ---- | ---- | .30- | 10 | .004 | ---- | ---- | 54 | UNCH | 8.50B | .60A |
| 3340 | ---- | ---- | ---- | ---- | .30- | 10 | .004 | ---- | ---- | 44 | UNCH | 8.25B | .60A |
| 3350 | ---- | ---- | ---- | ---- | .30- | 5 | .004 | ---- | ---- | 153 | UNCH | 7.75B | .55A |
| 3370 | ---- | ---- | ---- | ---- | .25- | 5 | .003 | ---- | ---- | 1 | UNCH | 6.50B | .50A |
| 3375 | ---- | ---- | ---- | ---- | .25- | 5 | .003 | ---- | ---- | 129 | UNCH | 6.25B | .50 |
| 3380 | ---- | ---- | ---- | ---- | .25- | 5 | .003 | ---- | ---- | 2 | UNCH | 6.00B | .50A |
| 3390 | ---- | ---- | ---- | ---- | .20- | 5 | .003 | ---- | ---- | 159 | UNCH | 5.75B | .45 |
| 3400 | ---- | ---- | ---- | ---- | .20- | 5 | .002 | ---- | ---- | 1424 | UNCH | 6.00 | .45 |
| 3420 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 1 | UNCH | 4.00B | .50 |
| 3425 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 3 | UNCH | 4.85B | .20 |
| 3450 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 1 | UNCH | 4.00B | .45A |
| 3475 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 28 | UNCH | 3.65B | .50 |
| 3500 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 8 | UNCH | 3.15B | .20 |
| 3525 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 165 | UNCH | 2.65B | .40 |
| 3550 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 190 | UNCH | 2.35B | .25 |
| 3575 | ---- | ---- | ---- | ---- | .15- | 5 | .001 | ---- | ---- | 46 | UNCH | 3.95 | .35A |
| 3600 | ---- | ---- | ---- | ---- | .15- | 5 | .001 | ---- | ---- | 164 | UNCH | 1.80B | .35A |
| 3650 | ---- | ---- | ---- | ---- | .10- | 10 | .001 | ---- | ---- | 55 | UNCH | 1.35B | .15 |
| 3700 | ---- | ---- | ---- | ---- | .10- | 5 | .001 | ---- | ---- | 14 | UNCH | 1.25 | .20 |
| 3750 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 1 | UNCH | .75B | .20 |
| 3825 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 10 | UNCH | .95 | .15A |
| TOTAL | | | | | | | | | 3297 | 106948 - | 62 | | |
| MAR19 | EMINI S&P CALL | | | | | | | | | | | | |
| 1600 | ---- | ---- | ---- | ---- | 1114.50- | 2360 | .980 | ---- | ---- | 186 | UNCH | ---- | ---- |
| 1625 | ---- | ---- | ---- | ---- | 1089.80- | 2350 | .978 | ---- | ---- | 116 | UNCH | ---- | ---- |
| 1675 | ---- | ---- | ---- | ---- | 1040.60- | 2330 | .974 | ---- | ---- | 4854 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | 918.90- | 2270 | .961 | ---- | ---- | 747 | UNCH | 982.00B | 926.25A |
| 1825 | ---- | ---- | ---- | ---- | 894.80- | 2270 | .958 | ---- | ---- | 5013 | UNCH | 957.25B | 800.00 |
| 1850 | ---- | ---- | ---- | ---- | 870.80- | 2240 | .955 | ---- | ---- | 10 | UNCH | 933.00B | ---- |
| 1900 | ---- | ---- | ---- | ---- | 822.90- | 2210 | .948 | ---- | ---- | 1420 | UNCH | 884.50B | ---- |
| 1975 | ---- | ---- | ---- | ---- | 751.90- | 2170 | .935 | ---- | ---- | 4854 | UNCH | 812.00B | ---- |
| 2040 | ---- | ---- | ---- | ---- | 691.10- | 2110 | .921 | ---- | ---- | 1000 | UNCH | 752.25B | 577.75A |
| 2080 | ---- | ---- | ---- | ---- | 654.00- | 2090 | .912 | ---- | ---- | 4000 | UNCH | 714.50B | 544.00A |
| 2110 | ---- | ---- | ---- | ---- | 626.30- | 2080 | .904 | ---- | ---- | 4 | UNCH | 686.25B | 519.50A |
| 2130 | ---- | ---- | ---- | ---- | 608.00- | 2070 | .898 | ---- | ---- | 4 | UNCH | 667.50B | 502.50A |
| 2180 | ---- | ---- | ---- | ---- | 562.70- | 2000 | .883 | ---- | ---- | 5 | UNCH | 621.00B | 462.00A |
| 2200 | ---- | 579.25B | 545.00A | ---- | 544.80- | 1970 | .876 | ---- | ---- | 1369 | UNCH | 615.75B | 446.50A |
| 2210 | ---- | 570.25B | 536.00A | ---- | 535.90- | 1960 | .873 | ---- | ---- | 1178 | UNCH | 606.50B | 438.75A |
| 2220 | ---- | 561.00B | 527.25A | ---- | 526.90- | 1960 | .869 | ---- | ---- | 3 | UNCH | 597.25B | 430.75A |
| 2225 | ---- | 556.75B | 522.75A | ---- | 522.50- | 1950 | .868 | ---- | ---- | 3 | UNCH | 592.50B | 426.50A |
| 2230 | ---- | 552.00B | 518.25A | ---- | 518.00+ | NEW | .866 | ---- | 1000 | 1000 + | 1000 | 587.50B | 422.75A |
| 2240 | ---- | 543.00B | 509.50A | ---- | 509.10- | 1940 | .862 | ---- | ---- | 1 | UNCH | 579.00B | 415.00A |
| 2250 | ---- | 534.00B | 500.50A | ---- | 500.20- | 1940 | .858 | ---- | ---- | 416 | UNCH | 569.50B | 407.25A |
| 2260 | ---- | 525.00B | 491.75A | ---- | 491.40- | 1920 | .855 | ---- | ---- | 1556 | UNCH | 560.50B | 399.25A |
| 2280 | ---- | 507.25B | 474.25A | ---- | 473.80- | 1900 | .846 | ---- | ---- | 1 | UNCH | 541.75B | 384.00A |
| 2300 | ---- | 489.50B | 456.75A | ---- | 456.40- | 1880 | .838 | ---- | ---- | 1101 | UNCH | 524.00B | 369.00A |
| 2325 | ---- | 467.25B | 435.25A | ---- | 434.90- | 1840 | .827 | ---- | ---- | 1 | UNCH | 505.50B | 350.50A |
| 2330 | ---- | 463.00B | 431.00A | ---- | 430.70- | 1830 | .824 | ---- | ---- | 450 | UNCH | 503.50B | 346.75A |
| 2350 | ---- | 445.50B | 414.00A | ---- | 413.70- | 1800 | .814 | ---- | ---- | 1 | UNCH | 486.25B | 332.25A |
| 2370 | ---- | 428.00B | 397.00A | ---- | 396.80- | 1780 | .804 | ---- | ---- | 210 | UNCH | 468.50B | 317.25A |
| 2390 | ---- | 410.75B | 380.25A | ---- | 380.10- | 1750 | .794 | ---- | ---- | 14 | UNCH | 451.50B | 301.75A |
| 2400 | ---- | 402.25B | 372.00A | ---- | 371.80- | 1740 | .788 | ---- | ---- | 35 | UNCH | 442.75B | 294.50A |
| 2410 | ---- | 393.75B | 363.75A | ---- | 363.50- | 1730 | .782 | ---- | ---- | 130 | UNCH | 434.00B | 287.25A |
| 2420 | ---- | 385.25B | 355.50A | ---- | 355.30- | 1710 | .776 | ---- | ---- | 36 | UNCH | 425.25B | 279.50A |
| 2425 | ---- | 381.00B | 351.50A | ---- | 351.20- | 1710 | .773 | ---- | ---- | 9 | UNCH | 421.00B | 276.00A |
| 2430 | ---- | 377.00B | 347.50A | ---- | 347.10- | 1700 | .771 | ---- | ---- | 82 | UNCH | 416.75B | 272.50A |
| 2440 | ---- | 368.50B | 339.25A | ---- | 338.90- | 1690 | .764 | ---- | ---- | 312 | UNCH | 408.00B | 265.00A |
| 2450 | ---- | 360.00B | 331.25A | ---- | 330.80- | 1680 | .758 | ---- | ---- | 142 | UNCH | 399.25B | 258.00A |
| 2460 | ---- | 351.75B | 323.25A | ---- | 322.80- | 1660 | .752 | ---- | ---- | 238 | UNCH | 390.75B | 250.75A |
| 2470 | ---- | 343.50B | 315.25A | ---- | 314.80- | 1650 | .745 | ---- | ---- | 108 | UNCH | 382.25B | 243.50A |
| 2475 | ---- | 339.50B | 311.25A | ---- | 310.80- | 1640 | .742 | ---- | ---- | 91 | UNCH | 378.00B | 240.00A |
| 2480 | ---- | 335.50B | 307.25A | ---- | 306.90- | 1620 | .738 | ---- | ---- | 28 | UNCH | 373.75B | 236.50A |
| 2490 | ---- | 327.50B | 299.50A | ---- | 299.00- | 1610 | .731 | ---- | ---- | 286 | UNCH | 365.25B | 229.75A |
| 2500 | ---- | 319.25B | 291.50A | ---- | 291.20- | 1580 | .724 | ---- | ---- | 90 | UNCH | 356.75B | 222.75A |
| 2510 | ---- | 311.25B | 283.75A | ---- | 283.40- | 1570 | .717 | ---- | ---- | 9 | UNCH | 348.50B | 216.00A |
| 2520 | ---- | 303.00B | 276.00A | ---- | 275.70- | 1540 | .710 | ---- | ---- | 17 | UNCH | 340.00B | 209.25A |
| 2525 | ---- | 299.00B | 272.25A | ---- | 271.80- | 1540 | .706 | ---- | ---- | 99 | UNCH | 336.00B | 206.00A |
| 2530 | ---- | 295.25B | 268.50A | ---- | 268.00- | 1520 | .702 | ---- | ---- | 167 | UNCH | 331.75B | 202.50A |
| 2540 | ---- | 287.25B | 260.75A | ---- | 260.40- | 1500 | .694 | ---- | ---- | 135 | UNCH | 323.50B | 196.00A |
| 2550 | ---- | 279.25B | 253.25A | ---- | 252.80- | 1490 | .686 | ---- | ---- | 127 | UNCH | 315.25B | 189.50A |
| 2560 | ---- | 271.50B | 245.75A | ---- | 245.30- | 1470 | .678 | ---- | ---- | 112 | UNCH | 308.25 | 183.00A |
| 2570 | ---- | 263.75B | 238.25A | ---- | 237.80- | 1460 | .670 | ---- | ---- | 77 | UNCH | 299.00B | 176.75A |
| 2575 | ---- | 260.00B | 234.75A | ---- | 234.10- | 1450 | .665 | ---- | ---- | 2309 | UNCH | 297.75 | 173.75A |
| 2580 | ---- | 256.25B | 231.00A | ---- | 230.40- | 1440 | .661 | ---- | ---- | 9 | UNCH | 294.25 | 170.25A |
| 2590 | ---- | 248.75B | 223.75A | ---- | 223.10- | 1420 | .652 | ---- | ---- | 91 | UNCH | 283.50B | 164.00A |
| 2600 | ---- | 241.00B | 216.25A | ---- | 215.80- | 1410 | .643 | ---- | ---- | 951 | UNCH | 276.25B | 158.00A |
| 2610 | ---- | 233.50B | 209.25A | ---- | 208.60- | 1390 | .634 | ---- | ---- | 207 | UNCH | 271.75 | 152.00A |
| 2620 | ---- | 226.25B | 202.25A | ---- | 201.50- | 1380 | .625 | ---- | ---- | 187 | UNCH | 259.50B | 146.25A |
| 2625 | ---- | 222.50B | 198.75A | ---- | 198.00- | 1360 | .620 | ---- | ---- | 53 | UNCH | 255.50B | 143.25A |
| 2630 | ---- | 218.75B | 195.25A | ---- | 194.50- | 1350 | .615 | ---- | ---- | 55 | UNCH | 257.50 | 140.25A |
| 2640 | ---- | 211.50B | 188.25A | ---- | 187.50- | 1340 | .605 | ---- | ---- | 714 | UNCH | 250.50 | 134.75A |
| 2650 | ---- | 204.25B | 181.50A | ---- | 180.70- | 1310 | .595 | ---- | ---- | 726 | UNCH | 236.50B | 129.00A |
| 2660 | ---- | 197.00B | 174.75A | ---- | 173.90- | 1290 | .585 | ---- | ---- | 20 | UNCH | 228.75B | 123.50A |
| 2670 | ---- | 190.00B | 168.00A | ---- | 167.30- | 1260 | .574 | ---- | ---- | 409 | UNCH | 230.50 | 118.25A |
| 2675 | ---- | 186.50B | 164.75A | ---- | 164.00- | 1250 | .569 | ---- | ---- | 2535 | UNCH | 217.50B | 115.50A |
| 2680 | ---- | 183.00B | 161.50A | ---- | 160.70- | 1240 | .563 | ---- | ---- | 1902 | UNCH | 223.75 | 112.75A |
| 2690 | ---- | 176.00B | 155.00A | ---- | 154.20- | 1210 | .552 | ---- | ---- | 162 | UNCH | 207.00B | 107.50A |
| 2700 | ---- | 169.25B | 148.50A | ---- | 147.90- | 1180 | .541 | ---- | ---- | 1774 | UNCH | 200.75B | 102.50A |
| 2710 | ---- | 162.50B | 142.25A | ---- | 141.60- | 1150 | .530 | ---- | ---- | 33 | UNCH | 194.25B | 97.50A |
| 2720 | ---- | 155.75B | 136.00A | ---- | 135.50- | 1110 | .518 | ---- | ---- | 299 | UNCH | 188.00B | 92.75A |
| 2725 | ---- | 152.50B | 132.75A | ---- | 132.40- | 1100 | .512 | ---- | ---- | 314 | UNCH | 185.00B | 90.50A |
| 2730 | ---- | 149.25B | 129.75A | ---- | 129.40- | 1080 | .506 | ---- | 2 | 332 + | 2 | 181.75B | 88.00A |
| 2740 | 141.00 | 142.75B | 123.75A | ---- | 123.40- | 1040 | .494 | ---- | 2 | 523 | UNCH | 175.75B | 83.50A |
| 2750 | ---- | 136.25B | 117.75A | ---- | 117.50- | 1000 | .481 | ---- | ---- | 319 | UNCH | 169.75B | 79.00A |
| 2760 | ---- | 130.00B | 112.00A | ---- | 111.70- | 970 | .469 | ---- | ---- | 122 | UNCH | 163.75B | 74.75A |
| 2770 | ---- | 124.00B | 106.50A | ---- | 106.00- | 940 | .456 | ---- | ---- | 105 | UNCH | 157.75B | 70.50A |
| 2775 | ---- | 121.00B | 103.50A | ---- | 103.20- | 920 | .450 | ---- | ---- | 364 | UNCH | 154.75B | 68.50A |
| 2780 | ---- | 118.00B | 100.75A | ---- | 100.40- | 910 | .443 | ---- | ---- | 400 | UNCH | 152.00B | 66.50A |
| 2790 | ---- | 112.00B | 95.50A | ---- | 94.90- | 890 | .430 | ---- | ---- | 116 | UNCH | 146.25B | 62.50A |
| 2800 | ---- | 106.25B | 90.25A | ---- | 89.50- | 880 | .416 | ---- | 10 | 363 | UNCH | 140.50B | 58.75A |

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# E-MINI S&P 500 CALL OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2810 | ---- | 100.50B | 85.00A | ---- | 84.40- | 850 | .403 | ---- | ---- | 1249 | UNCH | 135.00B | 55.25A |
| 2820 | ---- | 95.00B | 80.00A | ---- | 79.40- | 820 | .389 | ---- | ---- | 67 | UNCH | 129.50B | 51.75A |
| 2825 | ---- | 92.25B | 77.50A | ---- | 77.00- | 800 | .382 | ---- | ---- | 686 | UNCH | 127.00B | 50.00A |
| 2830 | ---- | 89.50B | 75.25A | ---- | 74.60- | 780 | .375 | ---- | ---- | 226 | UNCH | 124.25B | 48.50A |
| 2840 | ---- | 84.25B | 70.50A | ---- | 69.90- | 750 | .361 | ---- | ---- | 290 | UNCH | 119.00B | 45.25A |
| 2850 | 74.75 | 79.25B | 66.00A | ---- | 65.50- | 700 | .347 | ---- | 107 | 1178 - | 6 | 114.00B | 42.25A |
| 2860 | 70.00 | 74.25B | 61.50A | ---- | 61.10- | 670 | .333 | ---- | 108 | 1232 | UNCH | 108.75B | 39.50A |
| 2870 | ---- | 69.50B | 57.25A | ---- | 57.00- | 630 | .319 | ---- | ---- | 229 | UNCH | 104.00B | 36.75A |
| 2875 | ---- | 67.00B | 55.25A | ---- | 54.90- | 620 | .311 | ---- | ---- | 117 | UNCH | 101.50B | 35.50A |
| 2880 | 62.25 | 64.75B | 53.25A | ---- | 52.90- | 600 | .304 | ---- | 1 | 20 + | 1 | 99.25B | 34.25A |
| 2890 | ---- | 60.25B | 49.25A | ---- | 49.10- | 560 | .290 | ---- | ---- | 224 | UNCH | 94.50B | 31.75A |
| 2900 | ---- | 56.00B | 45.50A | ---- | 45.40- | 530 | .276 | ---- | 200 | 1569 - | 55 | 90.00B | 29.50A |
| 2910 | ---- | 52.00B | 42.00A | ---- | 41.90- | 500 | .262 | ---- | ---- | 261 | UNCH | 85.75B | 27.25A |
| 2920 | ---- | 48.00B | 38.75A | ---- | 38.50- | 470 | .248 | ---- | ---- | 220 | UNCH | 81.25B | 25.25A |
| 2925 | ---- | 46.25B | 37.00A | ---- | 36.90- | 460 | .241 | ---- | ---- | 574 | UNCH | 79.25B | 24.25A |
| 2930 | ---- | 44.25B | 35.50A | ---- | 35.30- | 450 | .234 | ---- | ---- | 177 | UNCH | 77.25B | 23.50A |
| 2940 | ---- | 40.75B | 32.50A | ---- | 32.30- | 420 | .220 | ---- | ---- | 39 | UNCH | 73.25B | 21.50A |
| 2950 | ---- | 37.50B | 29.75A | ---- | 29.50- | 390 | .207 | ---- | ---- | 2259 | UNCH | 69.25B | 20.00A |
| 2960 | ---- | 34.25B | 27.00A | ---- | 26.90- | 360 | .194 | ---- | ---- | 559 | UNCH | 65.50B | 18.50A |
| 2970 | ---- | 31.25B | 24.75A | ---- | 24.50- | 330 | .182 | ---- | ---- | 518 | UNCH | 62.00B | 17.00A |
| 2975 | 27.50 | 29.75B | 23.50A | ---- | 23.30- | 320 | .175 | ---- | 1 | 535 - | 1 | 60.25B | 16.50A |
| 2980 | 28.50 | 28.50 | 22.50A | ---- | 22.20- | 310 | .169 | ---- | 200 | 412 + | 200 | 58.50B | 15.75A |
| 2990 | ---- | 25.75B | 20.25A | ---- | 20.10- | 280 | .158 | ---- | ---- | 326 | UNCH | 55.25B | 14.50A |
| 3000 | 21.25 | 23.25B | 18.50A | ---- | 18.20- | 260 | .147 | ---- | 1 | 859 + | 1 | 52.00B | 13.50A |
| 3010 | ---- | 21.25B | 16.75A | ---- | 16.40- | 240 | .136 | ---- | ---- | 22 | UNCH | 48.75B | 12.50A |
| 3020 | ---- | 19.00B | 15.00A | ---- | 14.80- | 210 | .126 | ---- | ---- | 68 | UNCH | 46.00B | 11.50A |
| 3025 | 15.25 | 18.00B | 14.25A | ---- | 14.00- | 210 | .120 | ---- | 3 | 459 + | 1 | 41.00B | 11.00A |
| 3030 | ---- | 17.25B | 13.50A | ---- | 13.30- | 190 | .116 | ---- | ---- | 17 | UNCH | 43.25B | 10.50A |
| 3040 | 12.50 | 15.50B | 12.25A | ---- | 12.00- | 170 | .107 | ---- | 1 | 146 | UNCH | 40.00B | 9.75A |
| 3050 | 11.50 | 14.00B | 11.00A | ---- | 10.70- | 160 | .098 | ---- | 3 | 439 | UNCH | 37.50B | 9.00A |
| 3060 | ---- | 12.50B | 10.00A | ---- | 9.70- | 140 | .090 | ---- | ---- | 86 | UNCH | 33.50B | 8.50A |
| 3070 | ---- | 11.25B | 9.00A | ---- | 8.70- | 120 | .083 | ---- | ---- | 223 | UNCH | 33.25B | 7.75A |
| 3075 | 8.50 | 10.50B | 8.50 | ---- | 8.20- | 120 | .079 | ---- | 1 | 43 - | 1 | 29.00B | 7.50A |
| 3080 | ---- | 10.00B | 8.00A | ---- | 7.80- | 110 | .076 | ---- | ---- | 88 | UNCH | 29.25B | 7.25A |
| 3090 | ---- | 9.00B | 7.25A | ---- | 7.00- | 100 | .069 | ---- | ---- | 122 | UNCH | 26.00 | 6.75A |
| 3100 | 6.50 | 8.00B | 6.50 | ---- | 6.30- | 90 | .064 | ---- | 101 | 769 + | 1 | 24.25 | 6.25A |
| 3110 | ---- | 7.25B | 6.00A | ---- | 5.70- | 80 | .058 | ---- | ---- | 193 | UNCH | 25.25 | 5.75A |
| 3120 | ---- | 6.50B | 5.50A | ---- | 5.10- | 70 | .053 | ---- | ---- | 134 | UNCH | 17.25B | 5.50A |
| 3125 | ---- | 6.25B | 5.25A | ---- | 4.85- | 65 | .051 | ---- | ---- | 304 | UNCH | 20.25 | 5.25A |
| 3130 | 4.65 | 5.75B | *4.65 | ---- | 4.65- | 65 | .049 | ---- | 38 | 203 | UNCH | 22.00B | 4.65 |
| 3140 | 4.20 | 5.25B | *4.20 | ---- | 4.20- | 55 | .045 | ---- | 68 | 504 | UNCH | 15.00B | 4.20 |
| 3150 | ---- | 4.85B | *4.05A | ---- | 3.80- | 50 | .041 | ---- | ---- | 395 | UNCH | 14.00B | 4.05A |
| 3160 | ---- | 4.35B | *3.70A | ---- | 3.45- | 45 | .038 | ---- | ---- | 480 | UNCH | 17.75B | 3.70A |
| 3170 | ---- | 3.95B | *3.40A | ---- | 3.15- | 40 | .035 | ---- | ---- | 194 | UNCH | 16.50B | 3.40A |
| 3175 | ---- | 3.80B | *3.25A | ---- | 3.00- | 40 | .033 | ---- | ---- | 690 | UNCH | 16.00B | 3.25A |
| 3180 | ---- | 3.60B | *3.15A | ---- | 2.90- | 35 | .032 | ---- | ---- | 7 | UNCH | 11.25B | 3.15A |
| 3190 | ---- | 3.30B | *2.75A | ---- | 2.65- | 30 | .030 | ---- | ---- | 401 | UNCH | 10.50B | 2.75A |
| 3200 | ---- | 3.00B | *2.55A | ---- | 2.40- | 30 | .027 | ---- | ---- | 624 | UNCH | 9.75B | 2.55A |
| 3210 | ---- | 2.75B | *2.35A | ---- | 2.25- | 25 | .026 | ---- | ---- | 261 | UNCH | 9.00B | 2.35A |
| 3220 | ---- | 2.50B | *2.20A | ---- | 2.05- | 25 | .024 | ---- | ---- | 428 | UNCH | 8.25B | 2.20A |
| 3225 | ---- | 2.40B | *2.10A | ---- | 1.95- | 25 | .023 | ---- | ---- | 317 | UNCH | 8.00B | 2.10A |
| 3230 | ---- | 2.30B | *2.00A | ---- | 1.90- | 20 | .022 | ---- | ---- | 4 | UNCH | 7.75B | 2.00A |
| 3250 | ---- | 1.95B | *1.75A | ---- | 1.60- | 20 | .019 | ---- | ---- | 179 | UNCH | 6.75B | 1.75A |
| 3270 | ---- | 1.65B | *1.50A | ---- | 1.35- | 20 | .016 | ---- | ---- | 95 | UNCH | 5.75B | 1.50A |
| 3275 | ---- | 1.60B | *1.45A | ---- | 1.30- | 20 | .015 | ---- | ---- | 8 | UNCH | 5.50B | 1.45A |
| 3280 | ---- | 1.55B | *1.40A | ---- | 1.25- | 20 | .015 | ---- | ---- | 3 | UNCH | 5.25B | 1.40A |
| 3300 | ---- | 1.35B | *1.20A | ---- | 1.05- | 25 | .013 | ---- | ---- | 397 | UNCH | 4.70B | 1.20A |
| 3310 | ---- | 1.25B | *1.15A | ---- | 1.00- | 20 | .012 | ---- | ---- | 166 | UNCH | 4.35B | 1.15A |
| 3320 | ---- | ---- | *1.05A | ---- | .90- | 25 | .011 | ---- | ---- | 160 | UNCH | 4.05B | 1.05A |
| 3325 | ---- | ---- | *1.05A | ---- | .90- | 20 | .011 | ---- | ---- | 160 | UNCH | 3.90B | 1.05A |
| 3330 | ---- | 1.10B | *1.00A | ---- | .85- | 20 | .010 | ---- | ---- | 376 | UNCH | 3.75B | 1.00A |
| 3350 | ---- | ---- | *.90A | ---- | .75- | 20 | .009 | ---- | ---- | 175 | UNCH | 3.25B | .90A |
| 3370 | 1.00 | 1.00 | *.80A | ---- | .70- | 15 | .008 | ---- | 1 | 99 | UNCH | 2.80B | .80A |
| 3390 | ---- | ---- | ---- | ---- | .65- | 10 | .008 | ---- | ---- | 148 | UNCH | 2.40B | 1.05A |
| 3400 | ---- | ---- | *.70A | ---- | .60- | 15 | .007 | ---- | ---- | 301 | UNCH | 2.20B | .70A |
| 3425 | ---- | ---- | ---- | ---- | .55- | 10 | .006 | ---- | ---- | 6 | UNCH | 1.85B | 1.00A |
| 3500 | ---- | ---- | ---- | ---- | .40- | 5 | .004 | ---- | ---- | 1 | UNCH | 1.10B | .85A |
| 3550 | ---- | ---- | ---- | ---- | .30- | 10 | .003 | ---- | ---- | 50 | UNCH | 1.00 | .45 |
| 3600 | ---- | ---- | ---- | ---- | .20- | 10 | .002 | ---- | ---- | 91 | UNCH | .75 | .50 |
| 3700 | ---- | ---- | ---- | ---- | .15- | 10 | .001 | ---- | ---- | 6 | UNCH | .50 | .50 |
| 3725 | ---- | ---- | ---- | ---- | .10- | 10 | .001 | ---- | ---- | 3 | UNCH | .50 | .20 |
| 3900 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 25 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 1848 | 71137 + | 1143 | | |
| JUN19 | EMINI S&P CALL | | | | | | | | | | | | |
| 2150 | ---- | ---- | *611.50A | ---- | 607.40- | 1960 | .871 | ---- | ---- | 1 | UNCH | 666.50B | 611.50A |
| 2225 | ---- | 575.00B | *542.25A | ---- | 542.00- | 1880 | .846 | ---- | ---- | 1 | UNCH | 607.00B | 542.25A |
| 2270 | ---- | 536.25B | *504.00A | ---- | 503.50- | 1840 | .828 | ---- | ---- | 79 | UNCH | 567.00B | 504.00A |
| 2275 | ---- | 531.75B | *499.75A | ---- | 499.30- | 1830 | .826 | ---- | ---- | 81 | UNCH | 562.50B | 499.75A |
| 2280 | ---- | 527.25B | *495.50A | ---- | 495.00- | 1830 | .824 | ---- | ---- | 82 | UNCH | 558.25B | 495.50A |
| 2325 | ---- | 489.00B | *458.00A | ---- | 457.40- | 1780 | .804 | ---- | ---- | 1 | UNCH | 520.50B | 458.00A |
| 2390 | ---- | 434.50B | *405.00A | ---- | 404.40- | 1690 | .773 | ---- | ---- | 1 | UNCH | 465.25B | 405.00A |
| 2440 | ---- | 393.75B | *365.25A | ---- | 364.80- | 1620 | .745 | ---- | ---- | 5 | UNCH | 423.25B | 365.25A |
| 2460 | ---- | 377.75B | *349.75A | ---- | 349.30- | 1590 | .733 | ---- | ---- | 5 | UNCH | 406.75B | 349.75A |
| 2475 | ---- | 366.00B | *338.25A | ---- | 337.70- | 1570 | .724 | ---- | ---- | 10 | UNCH | 394.75B | 338.25A |
| 2480 | ---- | 362.00B | *334.50A | ---- | 333.90- | 1560 | .721 | ---- | ---- | 5 | UNCH | 390.50B | 334.50A |
| 2500 | ---- | 346.25B | *319.25A | ---- | 318.70- | 1540 | .708 | ---- | ---- | 5 | UNCH | 374.50B | 319.25A |
| 2530 | ---- | 323.00B | *297.00A | ---- | 296.30- | 1490 | .688 | ---- | ---- | 13 | UNCH | 350.50B | 297.00A |
| 2600 | ---- | 270.50B | *246.50A | ---- | 245.70- | 1400 | .636 | ---- | ---- | 89 | UNCH | 296.75B | 246.50A |
| 2675 | ---- | 217.75B | *195.75A | ---- | 194.70- | 1260 | .573 | ---- | ---- | 30 | UNCH | 241.75B | 195.75A |
| 2700 | ---- | 200.75B | *179.75A | ---- | 178.70- | 1190 | .550 | ---- | ---- | 38 | UNCH | 224.25B | 179.75A |
| 2720 | ---- | 187.50B | *167.25A | ---- | 166.50- | 1120 | .530 | ---- | 150 | 152 + | 150 | 210.25B | 167.25A |
| 2725 | ---- | 184.25B | *164.00A | ---- | 163.50- | 1100 | .525 | ---- | ---- | 100 | UNCH | 207.00B | 164.00A |
| 2740 | ---- | 174.50B | *155.00A | ---- | 154.70+ | NEW | .510 | ---- | 278 | 278 + | 278 | 197.00B | 155.00A |
| 2750 | ---- | 168.25B | *149.00A | ---- | 148.80- | 1030 | .500 | ---- | 20 | 778 + | 20 | 190.25B | 149.00A |
| 2770 | ---- | 155.75B | *137.50A | ---- | 137.40- | 980 | .480 | ---- | 1 | 112 + | 1 | 177.25B | 137.50A |
| 2775 | ---- | 152.75B | *134.50A | ---- | 134.50- | 980 | .474 | ---- | ---- | 50 | UNCH | 174.00B | 134.50A |
| 2780 | ---- | 149.75B | *131.75A | ---- | 131.70- | 970 | .469 | ---- | 47 | 122 + | 47 | 170.75B | 131.75A |
| 2790 | ---- | 143.75B | *126.25A | ---- | 126.10- | 950 | .458 | ---- | ---- | 1 | UNCH | 164.50B | 126.25A |
| 2800 | 127.75 | 138.00B | *120.75A | ---- | 120.70- | 930 | .447 | ---- | 1 | 620 | UNCH | 158.25B | 120.75A |
| 2810 | ---- | 132.25B | *115.25A | ---- | 115.30- | 910 | .436 | ---- | ---- | 1 | UNCH | 152.00B | 115.25A |
| 2820 | ---- | 126.50B | *110.00A | ---- | 110.10- | 880 | .425 | ---- | ---- | 100 | UNCH | 146.00B | 110.00A |
| 2825 | ---- | 123.75B | *107.50A | ---- | 107.50- | 870 | .420 | ---- | ---- | 2 | UNCH | 143.00B | 107.50A |
| 2830 | ---- | 121.00B | *105.00A | ---- | 104.90- | 860 | .414 | ---- | ---- | 1 | UNCH | 140.25B | 105.00A |
| 2850 | ---- | 110.25B | *95.00A | ---- | 95.00- | 800 | .391 | ---- | ---- | 401 | UNCH | 128.50B | 95.00A |
| 2870 | ---- | 99.75B | *85.75A | ---- | 85.60- | 750 | .368 | ---- | ---- | 2 | UNCH | 117.50B | 85.75A |
| 2890 | ---- | 90.00B | *76.75A | ---- | 76.70- | 700 | .345 | ---- | ---- | 55 | UNCH | 106.75B | 76.75A |
| 2900 | ---- | 85.25B | *72.50A | ---- | 72.50- | 670 | .333 | ---- | ---- | 226 | UNCH | 101.25B | 72.50A |
| 2910 | ---- | 80.75B | *68.50A | ---- | 68.40- | 640 | .321 | ---- | ---- | 8 | UNCH | 96.50B | 68.50A |
| 2920 | ---- | 76.25B | *64.50A | ---- | 64.40- | 620 | .309 | ---- | ---- | 6 | UNCH | 91.50B | 64.50A |
| 2925 | 62.75 | 74.00B | *62.50A | ---- | 62.40- | 610 | .303 | ---- | 3 | 7 + | 3 | 89.25B | 62.50A |
| 2930 | ---- | 72.00B | *60.75A | ---- | 60.50- | 600 | .298 | ---- | ---- | 18 | UNCH | 86.75B | 60.75A |
| 2940 | 57.00 | 67.75B | *57.00 | ---- | 56.80- | 570 | .286 | ---- | 1 | 7 + | 1 | 82.25B | 57.00 |
| 2950 | 53.50 | 63.75B | *53.50 | ---- | 53.20- | 550 | .274 | ---- | 1 | 27 + | 1 | 78.00B | 53.50 |
| 2960 | ---- | 59.75B | *50.00A | ---- | 49.80- | 520 | .262 | ---- | ---- | 14 | UNCH | 73.50B | 50.00A |
| 2970 | ---- | 56.00B | *46.75A | ---- | 46.50- | 500 | .251 | ---- | ---- | 2 | UNCH | 69.25B | 46.75A |
| 2975 | ---- | 54.25B | *45.25A | ---- | 44.90- | 490 | .245 | ---- | ---- | 4 | UNCH | 67.25B | 45.25A |
| 2990 | ---- | 49.00B | *40.75A | ---- | 40.40- | 450 | .228 | ---- | ---- | 3 | UNCH | 61.25B | 40.75A |
| 3000 | 43.25 | 45.75B | *38.00A | ---- | 37.60- | 420 | .217 | ---- | 6 | 35 + | 6 | 57.50B | 38.00A |
| 3020 | ---- | 39.50B | *32.75A | ---- | 32.30- | 380 | .196 | ---- | ---- | 1 | UNCH | 50.50B | 32.75A |
| 3025 | ---- | 38.25B | *31.50A | ---- | 31.10- | 370 | .190 | ---- | 1 | 30 - | 1 | 48.75B | 31.50A |
| 3030 | 30.50 | 36.75B | *30.25A | ---- | 29.90- | 360 | .185 | ---- | 1 | 4 + | 1 | 47.25B | 30.25A |
| 3040 | ---- | 34.00B | *28.00A | ---- | 27.60- | 340 | .175 | ---- | ---- | 1 | UNCH | 44.00B | 28.00A |
| 3050 | 30.00 | 31.50B | *26.00A | ---- | 25.40- | 330 | .165 | ---- | 4 | 304 + | 4 | 41.00B | 26.00A |
| 3060 | ---- | 29.00B | *24.00A | ---- | 23.40- | 310 | .155 | ---- | ---- | 34 | UNCH | 38.00B | 24.00A |
| 3070 | ---- | 26.75B | *22.00A | ---- | 21.60- | 290 | .146 | ---- | ---- | 17 | UNCH | 35.50B | 22.00A |
| 3140 | ---- | 14.75B | *12.25A | ---- | 11.90- | 160 | .093 | ---- | ---- | 2 | UNCH | 20.50 | 12.25A |
| 3150 | ---- | 13.50B | *11.25A | ---- | 10.90- | 140 | .086 | ---- | ---- | 22 | UNCH | 19.50B | 11.25A |
| 3160 | ---- | 12.50B | *10.25A | ---- | 10.00- | 130 | .081 | ---- | ---- | 80 | UNCH | 17.75 | 10.25A |
| 3170 | ---- | 11.25B | *9.50A | ---- | 9.20- | 110 | .075 | ---- | ---- | 4 | UNCH | 15.75B | 9.50A |
| 3180 | ---- | 10.50B | *8.75A | ---- | 8.40- | 100 | .070 | ---- | ---- | 67 | UNCH | 14.25B | 8.75A |
| 3200 | 7.75 | 8.75B | *7.25 | ---- | 7.00- | 90 | .060 | ---- | 2 | 188 + | 1 | 12.25B | 7.25 |
| 3220 | ---- | 7.25B | *6.25A | ---- | 5.90- | 70 | .052 | ---- | ---- | 2 | UNCH | 10.25B | 6.25A |
| 3250 | ---- | 5.75B | *4.85A | ---- | 4.65- | 55 | .042 | ---- | ---- | 7 | UNCH | 7.75B | 4.85A |
| 3275 | ---- | 4.70B | *4.00A | ---- | 3.85- | 45 | .036 | ---- | ---- | 13 | UNCH | 6.50 | 4.00A |
| 3290 | ---- | 4.20B | *3.60A | ---- | 3.45- | 40 | .032 | ---- | ---- | 5 | UNCH | 5.00 | 3.60A |
| 3300 | ---- | 3.85B | *3.35A | ---- | 3.20- | 35 | .030 | ---- | ---- | 7 | UNCH | 5.25B | 3.35A |
| 3310 | ---- | 3.60B | *3.25A | ---- | 3.00- | 30 | .029 | ---- | ---- | 5 | UNCH | 4.85B | 3.25A |
| TOTAL | | | | | | | | | 516 | 4371 + | 512 | | |
| JUN18 | | | | | | | | | | | | | |
| 100 | ---- | ---- | ---- | ---- | 2604.60- | 2335 | 1.000 | ---- | ---- | 21 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | 1704.75- | 2340 | 1.000 | ---- | ---- | 663 | UNCH | ---- | ---- |
| 1790 | ---- | ---- | ---- | ---- | 914.85- | 2345 | 1.000 | ---- | ---- | 1 | UNCH | 1020.25 | 802.50A |

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# E-MINI S&P 500 CALL OPTIONS

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | ---- | ---- | ---- | ---- | 704.90- | 2345 | 1.000 | ---- | ---- | 1 | UNCH | 814.50B | 603.75A |
| 2150 | ---- | ---- | ---- | ---- | 554.90- | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 668.75B | 443.50A |
| 2300 | ---- | ---- | ---- | ---- | 404.90- | 2360 | .999 | ---- | ---- | 43 | UNCH | 593.00B | 295.00A |
| 2330 | ---- | ---- | ---- | ---- | 374.90- | 2360 | .999 | ---- | ---- | 1 | UNCH | 564.25B | 269.50A |
| 2360 | ---- | ---- | ---- | ---- | 344.90- | 2360 | .999 | ---- | ---- | 1 | UNCH | 535.50B | 245.00A |
| 2390 | ---- | ---- | ---- | ---- | 315.00- | 2360 | .999 | ---- | ---- | 1 | UNCH | 507.00B | 220.75A |
| 2400 | ---- | ---- | ---- | ---- | 305.10- | 2350 | .999 | ---- | ---- | 12 | UNCH | 497.50B | 212.75A |
| 2410 | ---- | ---- | ---- | ---- | 295.10- | 2350 | .999 | ---- | ---- | 6 | UNCH | 488.25B | 205.00A |
| 2420 | ---- | ---- | 292.25A | ---- | 285.10- | 2350 | .999 | ---- | ---- | 7 | UNCH | 478.75B | 197.50A |
| 2425 | ---- | ---- | 285.75A | ---- | 280.10- | 2350 | .999 | ---- | ---- | 7 | UNCH | 474.00B | 193.75A |
| 2430 | ---- | ---- | 281.00A | ---- | 275.10- | 2350 | .999 | ---- | ---- | 6 | UNCH | 469.25B | 189.75A |
| 2435 | ---- | ---- | 276.00A | ---- | 270.10- | 2350 | .999 | ---- | ---- | 6 | UNCH | 358.00B | 185.50A |
| 2440 | ---- | ---- | 271.00A | ---- | 265.10- | 2350 | .999 | ---- | ---- | 2 | UNCH | 459.75B | 181.25A |
| 2450 | ---- | ---- | 260.75A | ---- | 255.10- | 2350 | .998 | ---- | ---- | 30 | UNCH | 450.50B | 172.75A |
| 2460 | ---- | ---- | 251.50A | ---- | 245.10- | 2350 | .998 | ---- | ---- | 127 | UNCH | 441.00B | 164.25A |
| 2465 | ---- | ---- | 245.50A | ---- | 240.10- | 2350 | .998 | ---- | ---- | 1 | UNCH | 328.00B | 160.25A |
| 2470 | ---- | ---- | 240.50A | ---- | 235.10- | 2350 | .998 | ---- | ---- | 7 | UNCH | 431.75B | 156.00A |
| 2475 | ---- | ---- | 235.50A | ---- | 230.10- | 2350 | .998 | ---- | ---- | 12 | UNCH | 427.00B | 152.00A |
| 2480 | ---- | ---- | 230.50A | ---- | 225.10- | 2350 | .998 | ---- | ---- | 7 | UNCH | 422.25B | 148.00A |
| 2485 | ---- | ---- | 225.75A | ---- | 220.10- | 2350 | .998 | ---- | ---- | 1 | UNCH | 308.25B | 144.00A |
| 2490 | ---- | ---- | 221.00A | ---- | 215.10- | 2350 | .998 | ---- | ---- | 9 | UNCH | 413.00B | 140.00A |
| 2495 | ---- | ---- | 216.00A | ---- | 210.10- | 2360 | .998 | ---- | ---- | 59 | UNCH | 298.25B | 136.00A |
| 2500 | ---- | ---- | 208.75A | ---- | 205.10- | 2360 | .998 | ---- | ---- | 208 | UNCH | 403.75B | 132.00A |
| 2505 | ---- | ---- | 203.75A | ---- | 200.10- | 2360 | .998 | ---- | ---- | 44 | UNCH | 288.25B | 128.00A |
| 2510 | ---- | ---- | 198.75A | ---- | 195.10- | 2360 | .998 | ---- | ---- | 1 | UNCH | 394.50B | 124.25A |
| 2520 | ---- | ---- | 188.75A | ---- | 185.20- | 2350 | .997 | ---- | ---- | 129 | UNCH | 385.25B | 116.50A |
| 2525 | ---- | ---- | 183.75A | ---- | 180.20- | 2350 | .997 | ---- | ---- | 7 | UNCH | 380.75B | 112.75A |
| 2530 | ---- | ---- | 178.75A | ---- | 175.20- | 2350 | .997 | ---- | ---- | 2 | UNCH | 376.00B | 109.25A |
| 2535 | ---- | ---- | 173.75A | ---- | 170.20- | 2350 | .996 | ---- | ---- | 1 | UNCH | 258.50B | 105.50A |
| 2540 | ---- | ---- | 168.75A | ---- | 165.20- | 2350 | .996 | ---- | ---- | 1 | UNCH | 367.00B | 101.75A |
| 2545 | ---- | ---- | 163.75A | ---- | 160.20- | 2350 | .996 | ---- | ---- | 29 | UNCH | 248.75B | 98.25A |
| 2550 | ---- | ---- | 158.75A | ---- | 155.30- | 2350 | .995 | ---- | ---- | 108 | UNCH | 357.75B | 94.75A |
| 2555 | ---- | ---- | 153.75A | ---- | 150.30- | 2350 | .995 | ---- | ---- | 20 | UNCH | 238.75B | 91.25A |
| 2560 | ---- | ---- | 148.75A | ---- | 145.30- | 2350 | .995 | ---- | ---- | 41 | UNCH | 348.50B | 87.75A |
| 2565 | ---- | ---- | 141.50A | ---- | 140.30- | 2350 | .994 | ---- | ---- | 19 | UNCH | 229.00B | 84.25A |
| 2570 | ---- | ---- | 136.50A | ---- | 135.30- | 2350 | .994 | ---- | ---- | 89 | UNCH | 339.50B | 81.00A |
| 2575 | ---- | ---- | 131.75A | ---- | 130.40- | 2340 | .993 | ---- | ---- | 32 | UNCH | 335.00B | 77.75A |
| 2580 | ---- | ---- | 126.75A | ---- | 125.40- | 2340 | .993 | ---- | ---- | 66 | UNCH | 330.50B | 74.50A |
| 2585 | ---- | 145.75B | 121.75A | ---- | 120.40- | 2350 | .992 | ---- | ---- | 32 | UNCH | 209.25B | 71.50A |
| 2590 | ---- | 147.00B | 116.75A | ---- | 115.50- | 2340 | .991 | ---- | ---- | 102 | UNCH | 321.50B | 68.25A |
| 2595 | ---- | 137.25B | 111.75A | ---- | 110.50- | 2340 | .990 | ---- | ---- | 154 | UNCH | 199.25B | 65.25A |
| 2600 | ---- | 134.50B | 106.75A | ---- | 105.60- | 2340 | .988 | ---- | ---- | 360 | UNCH | 312.50B | 62.25A |
| 2605 | ---- | 131.00B | 102.00A | ---- | 100.60- | 2340 | .987 | ---- | ---- | 18 | UNCH | 189.50B | 59.25A |
| 2610 | ---- | 128.00B | 97.00A | ---- | 95.70- | 2340 | .984 | ---- | ---- | 154 | UNCH | 303.50B | 56.50A |
| 2615 | ---- | 124.50B | 92.25A | ---- | 90.80- | 2330 | .982 | ---- | ---- | 31 | UNCH | 180.00B | 53.75A |
| 2620 | ---- | 120.75B | 87.25A | ---- | 86.00- | 2320 | .978 | ---- | ---- | 188 | UNCH | 294.75B | 50.75A |
| 2625 | 82.75 | 120.50 | 82.50A | ---- | 81.20- | 2310 | .972 | ---- | 5 | 562 - | 2 | 290.25B | 48.00A |
| 2630 | ---- | 114.00B | 77.50A | ---- | 76.40- | 2300 | .966 | ---- | ---- | 254 | UNCH | 285.75B | 45.75A |
| 2635 | ---- | 109.00B | 72.75A | ---- | 71.60- | 2290 | .959 | ---- | ---- | 421 | UNCH | 161.00B | 43.25A |
| 2640 | ---- | 104.00B | 68.00A | ---- | 66.90- | 2270 | .949 | ---- | ---- | 302 | UNCH | 277.00B | 40.50A |
| 2645 | ---- | 99.00B | 63.50A | ---- | 62.30- | 2240 | .938 | ---- | 5 | 817 | UNCH | 152.50B | 38.50A |
| 2650 | 56.25 | 94.00B | 56.25 | ---- | 57.70- | 2220 | .923 | ---- | 1 | 485 + | 1 | 268.25B | 36.00A |
| 2655 | ---- | 89.00B | 54.25A | ---- | 53.20- | 2200 | .907 | ---- | 7 | 335 - | 6 | 142.75B | 33.75A |
| 2660 | ---- | 84.25B | 49.00A | ---- | 48.80- | 2160 | .886 | ---- | 2 | 326 - | 2 | 259.75B | 32.00A |
| 2665 | ---- | 79.25B | 44.75A | ---- | 44.50- | 2120 | .863 | ---- | ---- | 193 | UNCH | 133.25B | 30.00A |
| 2670 | ---- | 74.25B | 40.50A | ---- | 40.30- | 2080 | .835 | ---- | ---- | 403 | UNCH | 251.00B | 28.00A |
| 2675 | 40.50 | 70.75B | 36.50A | ---- | 36.30- | 2020 | .801 | ---- | 302 | 798 + | 221 | 246.75B | 26.00 |
| 2680 | 42.00 | 67.00B | 32.50A | ---- | 32.30- | 1970 | .764 | ---- | 205 | 592 - | 55 | 242.50B | 24.25A |
| 2685 | 49.50 | 62.50B | 28.75A | ---- | 28.60- | 1900 | .720 | ---- | 5 | 541 + | 2 | 119.00B | 22.50A |
| 2690 | 32.00 | 57.75B | 25.00 | ---- | 24.90- | 1830 | .673 | ---- | 16 | 231 - | 1 | 234.00B | 20.75 |
| 2695 | 34.75 | 52.75B | 21.75A | ---- | 21.50- | 1740 | .620 | ---- | 6 | 474 + | 1 | 112.00B | 19.50A |
| 2700 | 36.00 | 48.25B | 18.00 | ---- | 18.20- | 1650 | .563 | ---- | 209 | 2026 + | 59 | 225.50B | 18.00 |
| 2705 | 18.00 | 43.75B | *14.50 | ---- | 15.20- | 1550 | .501 | ---- | 2234 | 2016 + | 1242 | 105.25B | 14.50 |
| 2710 | 19.50 | 40.25B | *12.25 | ---- | 12.50- | 1430 | .435 | ---- | 1401 | 986 - | 75 | 217.25B | 12.25 |
| 2715 | 17.50 | 35.75 | *9.75 | ---- | 10.00- | 1310 | .368 | ---- | 1061 | 1130 + | 280 | 98.50B | 9.75 |
| 2720 | 18.75 | 31.50B | *7.50 | ---- | 7.80- | 1170 | .302 | ---- | 2724 | 7894 + | 951 | 208.75B | 7.50 |
| 2725 | 17.50 | 27.25B | *5.75 | ---- | 5.90- | 1030 | .237 | ---- | 2078 | 2672 + | 263 | 204.75B | 5.75 |
| 2730 | 13.00 | 23.25B | *3.85 | ---- | 4.30- | 890 | .178 | ---- | 2157 | 1594 + | 564 | 200.50B | 3.85 |
| 2735 | 9.25 | 19.25B | *3.00 | ---- | 3.05- | 735 | .127 | ---- | 3986 | 1910 + | 784 | 85.75B | 3.00 |
| 2740 | 8.50 | 16.00 | *2.00 | ---- | 2.05- | 595 | .085 | ---- | 4227 | 2709 - | 173 | 192.50B | 2.00 |
| 2745 | 6.00 | 12.50B | *1.35A | ---- | 1.35- | 455 | .054 | ---- | 1564 | 2315 + | 410 | 79.50B | 1.35A |
| 2750 | 4.00 | 10.00 | *.85 | ---- | .85- | 335 | .032 | ---- | 4378 | 3245 + | 175 | 184.50B | .85 |
| 2755 | 1.80 | 7.00B | *.55 | ---- | .55- | 230 | .019 | ---- | 3535 | 3367 + | 1208 | 73.50B | .55 |
| 2760 | 1.00 | 5.00 | *.35 | ---- | .35- | 155 | .011 | ---- | 3780 | 4474 + | 159 | 176.50B | .35 |
| 2765 | 1.40 | 3.40 | *.20 | ---- | .20- | 105 | .005 | ---- | 2047 | 1592 + | 704 | 84.50 | .20 |
| 2770 | 0.80 | 2.25 | *.10 | ---- | .10- | 70 | .002 | ---- | 1648 | 2790 - | 376 | 168.50B | .10 |
| 2775 | 0.40 | 1.40B | *.10 | ---- | .05- | 50 | .000 | ---- | 1229 | 2951 - | 140 | 164.75B | .10 |
| 2780 | 0.25 | .85 | *.10 | ---- | .05- | 30 | .000 | ---- | 2235 | 8404 + | 617 | 160.75B | .10 |
| 2785 | 0.30 | .50 | *.10 | ---- | .05- | 20 | .000 | ---- | 756 | 1819 - | 105 | 56.75B | .10 |
| 2790 | 0.15 | .35B | *.05 | ---- | .05- | 15 | .000 | ---- | 514 | 3216 + | 124 | 153.00B | .05 |
| 2795 | 0.10 | .20 | *.05 | ---- | CAB | ---- | .000 | ---- | 1862 | 2250 + | 1135 | 51.75B | .05 |
| 2800 | 0.10 | .20 | *.05 | ---- | CAB | ---- | .000 | ---- | 1074 | 8439 + | 83 | 145.50B | .05 |
| 2805 | 0.05 | .10 | *.05 | ---- | CAB | ---- | .000 | ---- | 34 | 2035 - | 28 | 59.00 | .05 |
| 2810 | 0.10 | .10 | *.05 | ---- | CAB | ---- | ---- | ---- | 92 | 3433 - | 1 | 138.25B | .05 |
| 2815 | 0.05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 3 | 1517 + | 1 | 42.25B | .05 |
| 2820 | 0.10 | .10 | .05 | ---- | CAB | ---- | ---- | ---- | 61 | 7589 + | 4 | 131.00B | .05 |
| 2825 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6463 | UNCH | 127.25B | .05 |
| 2830 | 0.05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 2 | 3543 + | 2 | 123.75B | .05 |
| 2835 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 3 | 2160 - | 3 | 46.25 | .05A |
| 2840 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 54 | 19195 | UNCH | 116.75B | .05 |
| 2845 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 1 | 1297 | UNCH | 30.50B | .05A |
| 2850 | 0.05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 7 | 5478 - | 7 | 110.00B | .05 |
| 2855 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1547 | UNCH | 38.00 | .05A |
| 2860 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 7 | 1991 - | 1 | 103.25B | .05 |
| 2865 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2914 | UNCH | 33.25 | .10A |
| 2870 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1356 | UNCH | 96.75B | .10 |
| 2875 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 10 | 3042 - | 10 | 93.50B | .05 |
| 2880 | 0.05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 1 | 1514 | UNCH | 90.50B | .05 |
| 2885 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3280 | UNCH | 27.00 | .30A |
| 2890 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1918 | UNCH | 84.25B | .10 |
| 2895 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3294 | UNCH | 16.25B | .10 |
| 2900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3777 | UNCH | 78.50B | .05 |
| 2905 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1164 | UNCH | 20.00 | .05 |
| 2910 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 978 | UNCH | 72.75B | .05A |
| 2915 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 431 | UNCH | 10.25B | .20A |
| 2920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 805 | UNCH | 67.25B | .15 |
| 2925 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 702 | UNCH | 64.75B | .15A |
| 2930 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 743 | UNCH | 62.25B | .15A |
| 2935 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 122 | UNCH | 7.75B | .15A |
| 2940 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 81 | UNCH | 57.25B | .05 |
| 2945 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 379 | UNCH | 4.35B | .15A |
| 2950 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1309 | UNCH | 52.50B | .15 |
| 2955 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 188 | UNCH | 3.90B | .10A |
| 2960 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1093 | UNCH | 48.00B | .05 |
| 2965 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 883 | UNCH | 3.45B | .10A |
| 2970 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 387 | UNCH | 43.75B | .10A |
| 2975 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 809 | UNCH | 41.75B | .10A |
| 2980 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 624 | UNCH | 39.75B | .10A |
| 2985 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 302 | UNCH | 2.80B | .10A |
| 2990 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 326 | UNCH | 36.00B | .15A |
| 2995 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 513 | UNCH | 6.50 | .15 |
| 3000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1892 | UNCH | 32.50B | .10 |
| 3005 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 71 | UNCH | 5.25 | .10 |
| 3010 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 125 | UNCH | 29.25B | .10A |
| 3015 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | 4.65 | .10A |
| 3020 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 301 | UNCH | 26.25B | .05A |
| 3025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1968 | UNCH | 25.00B | .10 |
| 3030 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 296 | UNCH | 23.50B | .10 |
| 3035 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 522 | UNCH | 3.85 | .10A |
| 3040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 326 | UNCH | 21.00B | .10 |
| 3050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 157 | UNCH | 18.75B | .05A |
| 3060 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 86 | UNCH | 16.75B | .05A |
| 3070 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 41 | UNCH | 15.00B | .05A |
| 3075 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 392 | UNCH | 13.75B | .10A |
| 3080 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 691 | UNCH | 13.25B | .10 |
| 3090 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 82 | UNCH | 12.00B | .10A |
| 3100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 371 | UNCH | 10.50 | .05A |
| 3110 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 207 | UNCH | 9.25B | .05A |
| 3120 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 161 | UNCH | 8.25B | .05A |
| 3125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 22 | UNCH | 7.75B | .05A |
| 3130 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 415 | UNCH | 7.25B | .05A |
| 3140 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 296 | UNCH | 6.50B | .15A |
| 3150 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 300 | UNCH | 6.00B | .05 |
| 3160 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 36 | UNCH | 5.25B | .10A |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# E-MINI S&P 500 CALL OPTIONS

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47 Side 10

## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3170 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 150 | UNCH | 4.95B | .10A |
| 3175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 4.70B | .05 |
| 3180 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 160 | UNCH | 4.70B | .30 |
| 3190 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 172 | UNCH | 4.30B | .30 |
| 3200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 212 | UNCH | 3.90B | .05 |
| 3210 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 54 | UNCH | 3.60B | .15 |
| 3225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 11 | UNCH | 3.15 | .30A |
| 3240 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | 2.95 | .35A |
| 3250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 250 | UNCH | 2.55B | .35A |
| 3260 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 69 | UNCH | 2.35B | .35A |
| 3270 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 382 | UNCH | 2.20B | .20 |
| 3330 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 160 | UNCH | 1.35B | .40 |
| 4000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | UNCH | ---- | .25A |
| TOTAL | | | | | | | | | 45528 | 177036 + | 8005 | | |
| JUL18 | | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | 1701.90- | 2350 | .999 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | 928.80- | 2330 | .996 | ---- | ---- | 1027 | UNCH | 960.50B | 820.00A |
| 2275 | ---- | 468.00B | 436.75A | ---- | 432.30- | 2280 | .971 | ---- | ---- | 1 | UNCH | 517.75B | 325.25A |
| 2290 | ---- | 453.25B | 422.00A | ---- | 417.50- | 2280 | .968 | ---- | ---- | 1 | UNCH | 509.50B | 312.75A |
| 2330 | ---- | 413.75B | 379.50A | ---- | 378.30- | 2250 | .960 | ---- | ---- | 2 | UNCH | 475.75B | 279.75A |
| 2350 | ---- | 394.00B | 360.00A | ---- | 358.80- | 2230 | .956 | ---- | ---- | 1 | UNCH | 457.25B | 263.75A |
| 2370 | ---- | 374.25B | 340.50A | ---- | 339.40- | 2210 | .950 | ---- | ---- | 1 | UNCH | 448.00B | 248.00A |
| 2400 | ---- | 345.50B | 311.25A | ---- | 310.30- | 2180 | .941 | ---- | ---- | 251 | UNCH | 429.75B | 224.75A |
| 2410 | ---- | 337.50B | 301.75A | ---- | 300.60- | 2180 | .937 | ---- | ---- | 1 | UNCH | 421.00B | 217.00A |
| 2420 | ---- | 328.50B | 292.00A | ---- | 290.90- | 2180 | .933 | ---- | ---- | 1 | UNCH | 411.75B | 209.75A |
| 2425 | ---- | 324.00B | 287.25A | ---- | 286.10- | 2180 | .931 | ---- | ---- | 1 | UNCH | 407.25B | 205.75A |
| 2440 | ---- | 309.25B | 272.75A | ---- | 271.70- | 2160 | .924 | ---- | ---- | 2 | UNCH | 393.50B | 193.50A |
| 2450 | ---- | 299.50B | 263.25A | ---- | 262.20- | 2140 | .920 | ---- | ---- | 100 | UNCH | 384.50B | 185.25A |
| 2460 | ---- | 289.75B | 253.75A | ---- | 252.70- | 2130 | .914 | ---- | ---- | 2 | UNCH | 375.50B | 177.25A |
| 2470 | ---- | 279.75B | 244.25A | ---- | 243.30- | 2100 | .908 | ---- | ---- | 17 | UNCH | 366.50B | 169.25A |
| 2475 | ---- | 275.25B | 239.50A | ---- | 238.50- | 2100 | .905 | ---- | ---- | 1 | UNCH | 362.00B | 165.25A |
| 2490 | ---- | 261.00B | 225.50A | ---- | 224.30- | 2080 | .896 | ---- | ---- | 21 | UNCH | 348.75B | 153.75A |
| 2500 | ---- | 251.50B | 215.75A | ---- | 215.00- | 2060 | .889 | ---- | ---- | 28 | UNCH | 339.75B | 146.25A |
| 2510 | ---- | 241.75B | 206.50A | ---- | 205.70- | 2050 | .880 | ---- | ---- | 3 | UNCH | 331.00B | 138.75A |
| 2520 | ---- | 232.00B | 197.25A | ---- | 196.50- | 2020 | .872 | ---- | ---- | 113 | UNCH | 322.25B | 131.25A |
| 2525 | ---- | 227.25B | 192.75A | ---- | 191.90- | 2000 | .867 | ---- | ---- | 12 | UNCH | 338.25B | 127.50A |
| 2530 | ---- | 222.75B | 188.00A | ---- | 187.30- | 1990 | .863 | ---- | ---- | 1 | UNCH | 313.25B | 124.00A |
| 2535 | ---- | 218.00B | 183.50A | ---- | 182.70- | 1980 | .858 | ---- | ---- | 12 | UNCH | 264.75B | 120.50A |
| 2540 | ---- | 213.00B | 178.50A | ---- | 178.20- | 1960 | .852 | ---- | ---- | 13 | UNCH | 306.25B | 117.00A |
| 2545 | ---- | 208.25B | 174.00A | ---- | 173.70- | 1950 | .847 | ---- | ---- | 13 | UNCH | 255.00B | 113.50A |
| 2550 | ---- | 203.50B | 169.50A | ---- | 169.10- | 1940 | .842 | ---- | ---- | 48 | UNCH | 298.25B | 110.00A |
| 2555 | ---- | 198.75B | 165.00A | ---- | 164.60- | 1930 | .836 | ---- | ---- | 65 | UNCH | 245.50B | 106.50A |
| 2560 | ---- | 194.25B | 160.50A | ---- | 160.10- | 1910 | .830 | ---- | ---- | 38 | UNCH | 289.75B | 103.25A |
| 2565 | ---- | 189.50B | 156.00A | ---- | 155.60- | 1900 | .824 | ---- | ---- | 51 | UNCH | 235.75B | 99.75A |
| 2570 | ---- | 185.00B | 151.50A | ---- | 151.20- | 1880 | .818 | ---- | ---- | 49 | UNCH | 281.00B | 96.50A |
| 2575 | ---- | 180.25B | 147.25A | ---- | 146.70- | 1860 | .811 | ---- | ---- | 39 | UNCH | 276.75B | 93.25A |
| 2580 | ---- | 175.50B | 142.75A | ---- | 142.30- | 1850 | .805 | ---- | ---- | 31 | UNCH | 272.50B | 90.00A |
| 2585 | 159.00 | 170.75B | 138.50A | ---- | 138.00- | 1820 | .797 | ---- | 1 | 64 | UNCH | 216.75B | 86.75A |
| 2590 | 158.25 | 166.25B | 134.00A | ---- | 133.70- | 1800 | .790 | ---- | 1 | 51 - | 1 | 264.00B | 83.75A |
| 2595 | ---- | 161.75B | 129.75A | ---- | 129.40- | 1790 | .782 | ---- | ---- | 202 | UNCH | 207.25B | 80.50A |
| 2600 | ---- | 157.00B | 125.50A | ---- | 125.20- | 1770 | .773 | ---- | ---- | 73 | UNCH | 255.75B | 77.50A |
| 2605 | ---- | 153.25B | 121.25A | ---- | 121.00- | 1740 | .765 | ---- | ---- | 7 | UNCH | 197.75B | 74.50A |
| 2610 | ---- | 148.75B | 117.00A | ---- | 116.70- | 1730 | .756 | ---- | ---- | 140 | UNCH | 247.25B | 71.50A |
| 2615 | ---- | 144.25B | 113.00A | ---- | 112.50- | 1710 | .747 | ---- | ---- | 121 | UNCH | 188.25B | 68.75A |
| 2620 | ---- | 139.75B | 108.75A | ---- | 108.40- | 1670 | .738 | ---- | ---- | 10 | UNCH | 239.25B | 65.75A |
| 2625 | ---- | 135.25B | 104.75A | ---- | 104.20- | 1660 | .728 | ---- | ---- | 433 | UNCH | 235.25B | 63.00A |
| 2630 | 122.00 | 130.75B | 100.50A | ---- | 100.20- | 1620 | .718 | ---- | 1 | 152 + | 1 | 231.00B | 60.25A |
| 2635 | ---- | 126.25B | 96.50A | ---- | 96.10- | 1600 | .707 | ---- | ---- | 316 | UNCH | 169.50B | 57.50A |
| 2640 | ---- | 121.75B | 92.75A | ---- | 92.20- | 1560 | .696 | ---- | ---- | 75 | UNCH | 222.75B | 55.00A |
| 2645 | ---- | 117.50B | 88.75A | ---- | 88.30- | 1530 | .684 | ---- | ---- | 103 | UNCH | 160.50B | 52.50A |
| 2650 | ---- | 113.00B | 84.75A | ---- | 84.40- | 1500 | .672 | ---- | ---- | 616 | UNCH | 214.50B | 50.00A |
| 2655 | ---- | 108.75B | 81.00A | ---- | 80.60- | 1470 | .660 | ---- | ---- | 437 | UNCH | 153.25B | 47.50A |
| 2660 | ---- | 104.50B | 77.25A | ---- | 76.90- | 1430 | .646 | ---- | ---- | 229 | UNCH | 206.50B | 45.25A |
| 2665 | ---- | 100.00B | 73.50A | ---- | 73.20- | 1400 | .633 | ---- | ---- | 395 | UNCH | 146.00B | 43.00A |
| 2670 | ---- | 96.00B | 69.75A | ---- | 69.60- | 1360 | .619 | ---- | ---- | 153 | UNCH | 198.50B | 40.75A |
| 2675 | ---- | 91.75B | 66.25A | ---- | 66.10- | 1320 | .604 | ---- | ---- | 325 | UNCH | 194.50B | 38.50A |
| 2680 | ---- | 87.50B | 62.75A | ---- | 62.60- | 1280 | .590 | ---- | ---- | 177 | UNCH | 190.50B | 36.50A |
| 2685 | ---- | 83.50B | 59.25A | ---- | 59.10- | 1250 | .574 | ---- | ---- | 187 | UNCH | 131.75B | 34.50A |
| 2690 | ---- | 79.25B | 55.75A | ---- | 55.60- | 1220 | .558 | ---- | ---- | 106 | UNCH | 182.50B | 32.75A |
| 2695 | ---- | 75.25B | 52.50A | ---- | 52.20- | 1190 | .542 | ---- | ---- | 232 | UNCH | 125.00B | 30.75A |
| 2700 | ---- | 71.50B | 49.00A | ---- | 48.90- | 1150 | .525 | ---- | 103 | 704 | UNCH | 174.75B | 29.00A |
| 2705 | ---- | 67.50B | 46.00A | ---- | 45.70- | 1120 | .507 | ---- | ---- | 339 | UNCH | 118.25B | 27.25A |
| 2710 | 50.25 | 63.50B | 42.75A | ---- | 42.60- | 1070 | .489 | ---- | 86 | 327 + | 11 | 167.00B | 25.75A |
| 2715 | 47.25 | 59.75B | 39.75A | ---- | 39.60- | 1020 | .471 | ---- | 20 | 418 + | 20 | 111.50B | 24.00A |
| 2720 | 52.75 | 56.25B | 36.75A | ---- | 36.70- | 970 | .452 | ---- | 64 | 6617 - | 1 | 159.50B | 22.50A |
| 2725 | 52.50 | 52.50 | 34.00A | ---- | 33.80- | 920 | .432 | ---- | 23 | 485 | UNCH | 155.75B | 21.25A |
| 2730 | 41.25 | 49.00B | 31.25A | ---- | 31.10- | 860 | .412 | ---- | 11 | 388 + | 3 | 152.00B | 19.75A |
| 2735 | 42.00 | 45.50B | 28.50 | ---- | 28.50- | 810 | .392 | ---- | 77 | 333 - | 10 | 98.75B | 18.50A |
| 2740 | 38.25 | 42.25B | 26.25A | ---- | 26.10- | 760 | .372 | ---- | 29 | 706 + | 28 | 144.50B | 17.25A |
| 2745 | 30.00 | 39.00B | 23.75A | ---- | 23.70- | 720 | .351 | ---- | 20 | 324 + | 20 | 92.50B | 16.25A |
| 2750 | 24.50 | 35.75B | 20.50 | ---- | 21.40- | 670 | .330 | ---- | 146 | 1046 + | 113 | 137.25B | 15.25A |
| 2755 | 21.75 | 33.00 | 19.50A | ---- | 19.20- | 630 | .309 | ---- | 74 | 433 + | 43 | 86.50B | 14.00A |
| 2760 | 18.25 | 29.75B | 17.50 | ---- | 17.20- | 580 | .287 | ---- | 253 | 581 + | 32 | 130.00B | 13.00A |
| 2765 | 18.75 | 27.00B | 15.50A | ---- | 15.30- | 530 | .266 | ---- | 302 | 774 + | 177 | 80.75B | 12.25A |
| 2770 | 18.75 | 24.25B | 14.00A | ---- | 13.60- | 480 | .246 | ---- | 27 | 771 - | 8 | 123.00B | 11.25A |
| 2775 | 14.50 | 21.75B | 12.25A | ---- | 12.00- | 440 | .226 | ---- | 331 | 1230 + | 102 | 119.75B | 10.25 |
| 2780 | 14.25 | 19.50B | 10.75A | ---- | 10.60- | 390 | .207 | ---- | 431 | 1685 - | 29 | 134.00B | 9.75A |
| 2785 | 9.50 | 17.25B | 9.50 | ---- | 9.30- | 340 | .188 | ---- | 112 | 510 - | 3 | 69.50B | 9.00A |
| 2790 | 8.25 | 15.25B | *8.25 | ---- | 8.10- | 300 | .170 | ---- | 720 | 1591 + | 33 | 109.50B | 8.25 |
| 2795 | 7.75 | 13.25B | *7.00A | ---- | 7.00- | 260 | .153 | ---- | 146 | 752 + | 124 | 64.25B | 7.00A |
| 2800 | 8.00 | 11.50B | *6.25A | ---- | 6.10- | 220 | .137 | ---- | 950 | 13024 + | 71 | 103.00B | 6.25A |
| 2805 | 7.50 | 10.00B | *5.25A | ---- | 5.20- | 190 | .122 | ---- | 119 | 682 + | 55 | 71.75 | 5.25A |
| 2810 | 7.50 | 8.50B | *4.60A | ---- | 4.45- | 165 | .108 | ---- | 50 | 1221 + | 44 | 96.50B | 4.60A |
| 2815 | 6.75 | 7.25B | *3.95A | ---- | 3.80- | 140 | .095 | ---- | 22 | 737 + | 21 | 54.50B | 3.95A |
| 2820 | 5.25 | 6.00B | *3.35A | ---- | 3.25- | 115 | .083 | ---- | 66 | 1428 - | 64 | 90.25B | 3.35A |
| 2825 | 4.80 | 5.25B | *2.90A | ---- | 2.75- | 100 | .073 | ---- | 144 | 892 + | 118 | 87.25B | 2.90A |
| 2830 | 2.95 | 4.45B | *2.40 | ---- | 2.35- | 80 | .064 | ---- | 12 | 658 - | 6 | 84.25B | 2.40 |
| 2835 | 2.55 | 3.75B | *2.10A | ---- | 2.00- | 70 | .055 | ---- | 4 | 659 - | 3 | 45.50B | 2.10A |
| 2840 | 2.60 | 3.15B | *1.80A | ---- | 1.70- | 60 | .048 | ---- | 303 | 1088 + | 91 | 78.50B | 1.80A |
| 2845 | 2.20 | 2.65 | *1.55A | ---- | 1.45- | 50 | .042 | ---- | 392 | 1386 + | 76 | 41.25B | 1.55A |
| 2850 | 1.45 | 2.25B | *1.30 | ---- | 1.25- | 45 | .037 | ---- | 330 | 13616 + | 326 | 73.00B | 1.30 |
| 2855 | 1.60 | 1.90B | *1.15A | ---- | 1.05- | 40 | .031 | ---- | 171 | 1284 + | 96 | 37.50B | 1.15A |
| 2860 | 1.40 | 1.65 | *1.00A | ---- | .90- | 35 | .027 | ---- | 70 | 909 | UNCH | 67.50B | 1.00A |
| 2865 | 1.25 | 1.45 | *.90A | ---- | .80- | 30 | .024 | ---- | 130 | 780 + | 78 | 33.75B | .90A |
| 2870 | 1.15 | 1.20B | *.75 | ---- | .70- | 25 | .021 | ---- | 304 | 1172 + | 277 | 62.25B | .75 |
| 2875 | 1.05 | 1.05 | *.70A | ---- | .60- | 25 | .019 | ---- | 33 | 948 - | 26 | 59.75B | .70A |
| 2880 | ---- | .90B | *.60A | ---- | .55- | 20 | .017 | ---- | ---- | 1205 | UNCH | 57.25B | .60A |
| 2885 | 0.65 | .80B | *.55A | ---- | .50- | 20 | .015 | ---- | 1 | 762 | UNCH | 27.25B | .55A |
| 2890 | 0.70 | .80 | *.50A | ---- | .45- | 20 | .014 | ---- | 9 | 1133 - | 4 | 52.50B | .50A |
| 2895 | ---- | .65B | *.50A | ---- | .40- | 20 | .012 | ---- | ---- | 579 | UNCH | 21.25B | .50A |
| 2900 | 0.45 | .55 | .45 | ---- | .35- | 20 | .011 | ---- | 151 | 1104 + | 60 | 48.00B | .45 |
| 2905 | ---- | ---- | *.40A | ---- | .35- | 15 | .011 | ---- | 22 | 2186 - | 6 | 18.75B | .40A |
| 2910 | ---- | ---- | .40A | ---- | .30- | 15 | .009 | ---- | ---- | 387 | UNCH | 43.75B | .40 |
| 2915 | ---- | ---- | *.35A | ---- | .25- | 15 | .008 | ---- | ---- | 87 | UNCH | 16.50B | .35A |
| 2920 | ---- | ---- | *.35A | ---- | .25- | 15 | .007 | ---- | 127 | 324 | UNCH | 39.75B | .35A |
| 2925 | ---- | ---- | *.30A | ---- | .25- | 10 | .007 | ---- | ---- | 180 | UNCH | 37.75B | .30A |
| 2930 | ---- | ---- | *.30A | ---- | .20- | 15 | .006 | ---- | 97 | 250 | UNCH | 36.00B | .30A |
| 2935 | ---- | ---- | ---- | ---- | .20- | 10 | .006 | ---- | ---- | 563 | UNCH | 12.75B | .30A |
| 2940 | ---- | ---- | *.25A | ---- | .20- | 10 | .006 | ---- | ---- | 361 | UNCH | 32.25B | .25A |
| 2945 | ---- | ---- | ---- | ---- | .15- | 10 | .004 | ---- | ---- | 294 | UNCH | 11.25B | .30A |
| 2950 | ---- | ---- | ---- | ---- | .15- | 10 | .004 | ---- | ---- | 262 | UNCH | 29.00B | .30A |
| 2955 | ---- | ---- | ---- | ---- | .15- | 10 | .004 | ---- | ---- | 166 | UNCH | 10.00B | .25 |
| 2960 | 0.25 | .25 | *.20A | ---- | .15- | 5 | .004 | ---- | 57 | 352 - | 56 | 26.00B | .20A |
| 2965 | ---- | ---- | ---- | ---- | .15- | 5 | .004 | ---- | ---- | 221 | UNCH | 11.00 | .25 |
| 2970 | ---- | ---- | ---- | ---- | .10- | 10 | .003 | ---- | ---- | 376 | UNCH | 23.25B | .25A |
| 2975 | ---- | ---- | ---- | ---- | .10- | 10 | .003 | ---- | 16 | 1858 - | 16 | 22.00B | .25 |
| 2980 | ---- | ---- | ---- | ---- | .10- | 5 | .003 | ---- | ---- | 223 | UNCH | 32.50 | .25A |
| 2985 | ---- | ---- | ---- | ---- | .10- | 5 | .003 | ---- | ---- | 215 | UNCH | 8.50B | .25A |
| 2990 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 666 | UNCH | 29.50 | .20A |
| 2995 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 6 | UNCH | 4.15B | .20A |
| 3000 | ---- | ---- | ---- | ---- | .10 | UNCH | .002 | ---- | 127 | 518 - | 11 | 26.25 | .15 |
| 3005 | ---- | ---- | ---- | ---- | .10 | UNCH | .002 | ---- | ---- | 192 | UNCH | 3.75B | .15 |
| 3010 | ---- | ---- | ---- | ---- | .05- | 5 | .001 | ---- | 97 | 740 - | 2 | 15.25B | .40A |
| 3015 | ---- | ---- | ---- | ---- | .05- | 5 | .001 | ---- | ---- | 10 | UNCH | 3.40B | .25A |
| 3020 | ---- | ---- | ---- | ---- | .05- | 5 | .001 | ---- | ---- | 147 | UNCH | 14.00B | .15 |
| 3025 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 60 | UNCH | 13.50B | .35A |
| 3030 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 129 | UNCH | 13.00B | .35A |
| 3035 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 5 | UNCH | 2.75B | .20A |
| 3040 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 105 | UNCH | 12.25B | .20A |
| 3045 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 4 | UNCH | .40 | .40 |
| 3050 | 0.10 | .10 | *.10 | ---- | .05 | UNCH | .000 | ---- | 132 | 110 - | 132 | 11.25B | .10 |
| 3060 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 134 | UNCH | 10.50B | .30A |
| 3070 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 20 | UNCH | 9.75B | .15 |
| 3075 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 1073 | UNCH | 9.25B | .15 |

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# E-MINI S&P 500 CALL OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*



## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3080 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 256 | UNCH | 9.00B | .15 |
| 3090 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 100 | UNCH | 8.25B | .25A |
| 3100 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 20 | UNCH | 7.75B | .20 |
| 3125 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 3 | UNCH | 6.50B | .20 |
| 3130 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 67 | UNCH | 6.25B | .20A |
| 3140 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 307 | UNCH | 5.75B | .15A |
| 3150 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 120 | UNCH | 5.25B | .20A |
| 3175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 172 | UNCH | 4.50B | .15A |
| 3180 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | 4.30B | .15A |
| 3190 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 122 | UNCH | 4.05B | .15A |
| 3200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 2.40B | .10 |
| 3210 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | 2.25B | .10A |
| 3220 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 2.15B | .10A |
| 3230 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 2.00B | .10A |
| 3240 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | 1.90B | .10A |
| 3250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | 1.80B | .10A |
| 3260 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 1.70B | .10A |
| 3350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 261 | UNCH | 1.00B | .30 |
| 3360 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .65B | .20 |
| TOTAL | | | | | | | | | 6914 | 85688 + | 1642 | | |
| AUG18 | | | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | 2197.30- | 2340 | .999 | ---- | ---- | 34 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | 1699.20- | 2340 | .999 | ---- | ---- | 202 | UNCH | ---- | ---- |
| 1200 | ---- | ---- | ---- | ---- | 1500.00- | 2340 | .998 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | 1201.50- | 2330 | .996 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | 928.20- | 2320 | .991 | ---- | ---- | 273 | UNCH | 990.75B | 835.75A |
| 2060 | ---- | ---- | ---- | ---- | 646.30- | 2280 | .977 | ---- | ---- | 257 | UNCH | 717.25B | 569.00A |
| 2150 | ---- | ---- | ---- | ---- | 557.90- | 2260 | .967 | ---- | ---- | 20 | UNCH | 632.25B | 440.50A |
| 2200 | ---- | 532.50B | 511.50A | ---- | 509.20- | 2230 | .959 | ---- | ---- | 140 | UNCH | 620.50B | 397.00A |
| 2240 | ---- | 493.75B | 472.75A | ---- | 470.30- | 2210 | .951 | ---- | ---- | 2 | UNCH | 583.00B | 363.25A |
| 2250 | ---- | 484.00B | 463.00A | ---- | 460.60- | 2200 | .949 | ---- | ---- | 81 | UNCH | 573.75B | 355.00A |
| 2260 | ---- | 474.25B | 453.50A | ---- | 450.90- | 2200 | .947 | ---- | ---- | 1 | UNCH | 564.25B | 346.50A |
| 2270 | ---- | 464.50B | 443.75A | ---- | 441.20- | 2190 | .944 | ---- | ---- | 1 | UNCH | 555.00B | 338.25A |
| 2280 | ---- | 456.50B | 434.25A | ---- | 431.50- | 2190 | .942 | ---- | ---- | 96 | UNCH | 545.75B | 330.25A |
| 2350 | ---- | 396.75B | 367.25A | ---- | 364.60- | 2130 | .919 | ---- | ---- | 85 | UNCH | 481.25B | 274.25A |
| 2365 | ---- | 382.25B | 353.00A | ---- | 350.50- | 2100 | .914 | ---- | ---- | 5 | UNCH | 433.50B | 266.75A |
| 2370 | ---- | 377.50B | 348.25A | ---- | 345.70- | 2100 | .911 | ---- | ---- | 5 | UNCH | 463.25B | 258.75A |
| 2380 | ---- | 368.00B | 338.75A | ---- | 336.30- | 2090 | .907 | ---- | ---- | 60 | UNCH | 454.25B | 251.25A |
| 2420 | ---- | 334.00B | 299.75A | ---- | 298.70- | 2050 | .888 | ---- | ---- | 10 | UNCH | 418.25B | 221.25A |
| 2430 | ---- | 324.50B | 290.50A | ---- | 289.50- | 2040 | .883 | ---- | ---- | 12 | UNCH | 409.25B | 213.25A |
| 2440 | ---- | 315.00B | 281.00A | ---- | 280.30- | 2020 | .876 | ---- | ---- | 9 | UNCH | 400.25B | 205.25A |
| 2450 | ---- | 305.50B | 271.75A | ---- | 271.10- | 2010 | .870 | ---- | ---- | 9 | UNCH | 391.50B | 197.25A |
| 2460 | ---- | 296.00B | 262.75A | ---- | 262.00- | 1990 | .863 | ---- | ---- | 13 | UNCH | 382.75B | 189.50A |
| 2465 | ---- | 291.50B | 258.00A | ---- | 257.40- | 1980 | .860 | ---- | ---- | 75 | UNCH | 337.00B | 185.50A |
| 2475 | ---- | 282.00B | 248.50A | ---- | 248.30- | 1960 | .853 | ---- | ---- | 10 | UNCH | 369.50B | 178.00A |
| 2480 | ---- | 277.25B | 244.00A | ---- | 243.80- | 1950 | .849 | ---- | ---- | 10 | UNCH | 365.00B | 174.25A |
| 2485 | ---- | 272.75B | 239.50A | ---- | 239.30- | 1940 | .845 | ---- | ---- | 1 | UNCH | 318.00B | 170.50A |
| 2490 | ---- | 268.25B | 235.00A | ---- | 234.80- | 1930 | .841 | ---- | ---- | 11 | UNCH | 356.25B | 166.75A |
| 2500 | ---- | 258.75B | 226.00A | ---- | 225.80- | 1910 | .833 | ---- | ---- | 342 | UNCH | 350.00B | 159.25A |
| 2505 | ---- | 254.50B | 221.75A | ---- | 221.40- | 1890 | .829 | ---- | ---- | 3 | UNCH | 299.00B | 155.50A |
| 2510 | ---- | 249.50B | 217.25A | ---- | 217.00- | 1880 | .824 | ---- | ---- | 17 | UNCH | 341.50B | 152.00A |
| 2520 | ---- | 240.25B | 208.50A | ---- | 208.10- | 1860 | .815 | ---- | ---- | 10 | UNCH | 332.75B | 144.75A |
| 2525 | ---- | 235.75B | 204.00A | ---- | 203.70- | 1850 | .810 | ---- | ---- | 16 | UNCH | 328.50B | 141.25A |
| 2530 | ---- | 231.50B | 199.75A | ---- | 199.30- | 1840 | .806 | ---- | ---- | 1 | UNCH | 324.25B | 137.75A |
| 2535 | ---- | 226.75B | 195.25A | ---- | 194.90- | 1830 | .801 | ---- | ---- | 1 | UNCH | 270.75B | 134.25A |
| 2540 | ---- | 223.25B | 191.00A | ---- | 190.60- | 1810 | .795 | ---- | ---- | 13 | UNCH | 315.75B | 130.75A |
| 2545 | 194.00 | 218.75B | 186.75A | ---- | 186.30+ | NEW | .790 | ---- | 1 | 1 + | 1 | 261.50B | 127.25A |
| 2550 | ---- | 214.25B | 182.25A | ---- | 182.00- | 1780 | .784 | ---- | ---- | 13 | UNCH | 307.25B | 123.75A |
| 2560 | ---- | 205.00B | 173.75A | ---- | 173.50- | 1750 | .773 | ---- | ---- | 14 | UNCH | 298.75B | 117.25A |
| 2565 | ---- | 200.75B | 169.50A | ---- | 169.30- | 1730 | .766 | ---- | ---- | 26 | UNCH | 243.00B | 113.75A |
| 2570 | ---- | 196.25B | 165.50A | ---- | 165.10- | 1720 | .760 | ---- | ---- | 3 | UNCH | 290.25B | 110.50A |
| 2575 | ---- | 191.75B | 161.25A | ---- | 161.00- | 1690 | .754 | ---- | ---- | 13 | UNCH | 286.00B | 107.25A |
| 2580 | ---- | 187.25B | 157.00A | ---- | 156.80- | 1680 | .747 | ---- | ---- | 2 | UNCH | 281.75B | 104.00A |
| 2585 | 160.00 | 182.75B | 153.00A | ---- | 152.70- | 1660 | .740 | ---- | 3 | 110 | UNCH | 224.50B | 101.00A |
| 2590 | ---- | 178.50B | 148.75A | ---- | 148.60- | 1640 | .733 | ---- | ---- | 16 | UNCH | 273.50B | 97.75A |
| 2595 | ---- | 174.00B | 144.75A | ---- | 144.50- | 1630 | .727 | ---- | ---- | 24 | UNCH | 215.50B | 94.50A |
| 2600 | ---- | 169.75B | 140.75A | ---- | 140.40- | 1610 | .719 | ---- | ---- | 184 | UNCH | 265.75B | 91.50A |
| 2605 | ---- | 165.25B | 136.75A | ---- | 136.30- | 1600 | .712 | ---- | ---- | 17 | UNCH | 206.50B | 88.50A |
| 2615 | ---- | 156.75B | 128.75A | ---- | 128.30- | 1560 | .696 | ---- | ---- | 63 | UNCH | 197.50B | 82.75A |
| 2620 | ---- | 152.50B | 124.75A | ---- | 124.40- | 1540 | .688 | ---- | ---- | 2 | UNCH | 249.50B | 79.75A |
| 2625 | ---- | 148.25B | 120.75A | ---- | 120.40- | 1520 | .680 | ---- | ---- | 188 | UNCH | 245.25B | 77.00A |
| 2630 | ---- | 144.00B | 116.75A | ---- | 116.50- | 1500 | .671 | ---- | ---- | 68 | UNCH | 241.25B | 74.25A |
| 2635 | ---- | 139.75B | 113.00A | ---- | 112.70- | 1480 | .662 | ---- | ---- | 7 | UNCH | 179.75B | 71.50A |
| 2640 | ---- | 135.50B | 109.25A | ---- | 108.90- | 1450 | .653 | ---- | ---- | 6 | UNCH | 233.25B | 68.75A |
| 2645 | 122.25 | 131.25B | 105.50A | ---- | 105.10- | 1430 | .644 | ---- | 1 | 7 + | 1 | 172.50B | 66.00A |
| 2650 | 118.25 | 127.25B | 101.75A | ---- | 101.30- | 1410 | .634 | ---- | 1 | 102 | UNCH | 225.25B | 63.50A |
| 2655 | ---- | 123.25B | 98.00A | ---- | 97.60- | 1390 | .625 | ---- | ---- | 23 | UNCH | 165.25B | 60.75A |
| 2660 | ---- | 119.00B | 94.50A | ---- | 94.00- | 1360 | .615 | ---- | ---- | 49 | UNCH | 217.25B | 58.50A |
| 2665 | ---- | 115.00B | 90.75A | ---- | 90.30- | 1350 | .604 | ---- | ---- | 40 | UNCH | 158.00B | 56.00A |
| 2670 | ---- | 111.00B | 87.25A | ---- | 86.80- | 1320 | .593 | ---- | ---- | 48 | UNCH | 209.50B | 53.50A |
| 2675 | ---- | 107.25B | 83.50A | ---- | 83.30- | 1290 | .582 | ---- | ---- | 120 | UNCH | 205.50B | 51.25A |
| 2680 | ---- | 103.25B | 80.25A | ---- | 79.80- | 1270 | .571 | ---- | ---- | 33 | UNCH | 201.50B | 49.00A |
| 2685 | ---- | 99.25B | 76.75A | ---- | 76.50- | 1230 | .560 | ---- | ---- | 231 | UNCH | 144.25B | 46.75A |
| 2690 | ---- | 95.50B | 73.25A | ---- | 73.10- | 1210 | .548 | ---- | ---- | 123 | UNCH | 193.75B | 44.75A |
| 2695 | 74.75 | 91.75B | 70.00A | ---- | 69.80- | 1180 | .536 | ---- | 35 | 203 + | 24 | 137.25B | 42.50A |
| 2700 | ---- | 88.00B | 66.75A | ---- | 66.60- | 1150 | .524 | ---- | 9 | 469 | UNCH | 186.25B | 40.50A |
| 2705 | ---- | 84.25B | 63.50A | ---- | 63.40- | 1120 | .511 | ---- | 24 | 24 + | 19 | 130.75B | 38.50A |
| 2710 | 64.75 | 80.50B | 60.25A | ---- | 60.20- | 1100 | .498 | ---- | 78 | 149 + | 78 | 178.75B | 36.75A |
| 2715 | ---- | 77.00B | 57.25A | ---- | 57.10- | 1080 | .485 | ---- | 55 | 206 + | 50 | 124.00B | 35.00A |
| 2720 | ---- | 73.50B | 54.25A | ---- | 54.10- | 1050 | .471 | ---- | 19 | 199 | UNCH | 171.25B | 33.25A |
| 2725 | 57.25 | 70.00B | 51.25A | ---- | 51.10- | 1020 | .457 | ---- | 20 | 197 + | 19 | 167.50B | 31.25A |
| 2730 | ---- | 66.50B | 48.50A | ---- | 48.20- | 980 | .443 | ---- | 12 | 159 + | 12 | 163.75B | 29.75A |
| 2735 | 56.00 | 63.25B | 45.75A | ---- | 45.40- | 940 | .429 | ---- | 175 | 241 + | 49 | 111.25B | 28.25A |
| 2740 | 56.50 | 59.75B | 42.75 | ---- | 42.70- | 900 | .415 | ---- | 79 | 83 + | 11 | 156.50B | 26.75A |
| 2745 | 50.00 | 56.50B | 40.25A | ---- | 40.10- | 860 | .400 | ---- | 85 | 670 + | 85 | 105.25B | 25.25A |
| 2750 | 46.75 | 53.50B | 37.75A | ---- | 37.60- | 820 | .385 | ---- | 88 | 632 + | 44 | 149.50B | 23.75A |
| 2755 | 49.50 | 50.50B | 35.25A | ---- | 35.10- | 790 | .370 | ---- | 172 | 387 + | 51 | 99.00B | 22.50A |
| 2760 | 41.00 | 47.50B | 33.00A | ---- | 32.70- | 750 | .355 | ---- | 144 | 605 + | 68 | 142.25B | 21.00A |
| 2765 | 43.00 | 44.50B | 30.50 | ---- | 30.40- | 720 | .340 | ---- | 145 | 313 + | 54 | 93.25B | 19.75A |
| 2770 | 40.00 | 41.50B | 28.50A | ---- | 28.20- | 680 | .325 | ---- | 70 | 164 + | 56 | 135.50B | 18.75A |
| 2775 | 37.50 | 38.75B | 26.25A | ---- | 26.00- | 650 | .309 | ---- | 55 | 387 + | 17 | 132.00B | 17.50A |
| 2780 | 35.25 | 36.25B | 24.25A | ---- | 23.90- | 630 | .293 | ---- | 26 | 300 + | 6 | 128.75B | 16.50A |
| 2785 | 29.75 | 33.50B | 22.00 | ---- | 22.00- | 590 | .278 | ---- | 53 | 544 + | 42 | 82.00B | 15.50A |
| 2790 | 28.25 | 31.00B | 20.50A | ---- | 20.10- | 560 | .262 | ---- | 57 | 173 + | 41 | 122.00B | 14.50A |
| 2795 | 27.75 | 28.75B | 18.75A | ---- | 18.40- | 520 | .247 | ---- | 45 | 160 + | 5 | 76.50B | 13.50A |
| 2800 | 18.75 | 26.25B | 17.00A | ---- | 16.80- | 480 | .232 | ---- | 109 | 658 - | 84 | 115.50B | 12.75A |
| 2805 | 23.75 | 24.25B | 15.50A | ---- | 15.20- | 450 | .217 | ---- | 140 | 179 + | 77 | 71.25B | 11.75A |
| 2810 | 21.00 | 22.00B | 14.00A | ---- | 13.80- | 410 | .203 | ---- | 121 | 379 + | 108 | 109.00B | 11.00A |
| 2815 | 13.50 | 20.25B | 12.75A | ---- | 12.50- | 370 | .189 | ---- | 113 | 315 + | 36 | 66.25B | 10.50A |
| 2820 | 12.00 | 18.25B | 11.50A | ---- | 11.30- | 340 | .176 | ---- | 263 | 12563 + | 1 | 102.75B | 9.75A |
| 2825 | 11.00 | 16.50B | 10.25A | ---- | 10.20- | 310 | .163 | ---- | 306 | 694 - | 292 | 99.75B | 9.00A |
| 2830 | 10.00 | 15.00B | 9.25A | ---- | 9.20- | 270 | .151 | ---- | 34 | 696 + | 2 | 97.00B | 8.50A |
| 2835 | 11.75 | 13.50B | 8.25A | ---- | 8.20- | 250 | .139 | ---- | 8 | 500 - | 4 | 62.75 | 8.00A |
| 2840 | 8.00 | 12.00B | 7.50A | ---- | 7.40- | 220 | .128 | ---- | 17 | 279 - | 17 | 91.00B | 7.50A |
| 2845 | 10.50 | 10.75B | *6.75A | ---- | 6.60- | 200 | .117 | ---- | 21 | 508 - | 1 | 52.25B | 6.75A |
| 2850 | 6.75 | 9.50 | *6.00A | ---- | 5.90- | 180 | .108 | ---- | 613 | 760 - | 9 | 85.25B | 6.00A |
| 2855 | 7.25 | 8.50B | *5.50A | ---- | 5.20- | 170 | .097 | ---- | 77 | 405 - | 65 | 48.00B | 5.50A |
| 2860 | 5.50 | 7.75B | *4.75A | ---- | 4.65- | 155 | .089 | ---- | 68 | 324 - | 58 | 79.75B | 4.75A |
| 2865 | 6.00 | 6.75B | *4.25A | ---- | 4.15- | 135 | .081 | ---- | 14 | 682 + | 14 | 44.00B | 4.25A |
| 2870 | 4.45 | 6.00B | *3.65A | ---- | 3.65- | 130 | .073 | ---- | 50 | 12554 | UNCH | 74.50B | 3.65A |
| 2875 | 3.95 | 5.25B | *3.40A | ---- | 3.25- | 120 | .066 | ---- | 60 | 714 - | 60 | 71.75B | 3.40A |
| 2880 | 3.75 | 4.85B | *3.05A | ---- | 2.90- | 105 | .060 | ---- | 3 | 605 | UNCH | 69.25B | 3.05A |
| 2885 | 3.40 | 4.35B | *2.70A | ---- | 2.60- | 95 | .055 | ---- | 4 | 757 - | 2 | 36.75B | 2.70A |
| 2890 | 2.95 | 3.85B | *2.45A | ---- | 2.35- | 85 | .050 | ---- | 26 | 379 + | 24 | 64.25B | 2.45A |
| 2895 | 3.05 | 3.45B | *2.20A | ---- | 2.10- | 75 | .046 | ---- | 10 | 382 + | 10 | 33.50B | 2.20A |
| 2900 | 2.35 | 3.05B | *2.00A | ---- | 1.90- | 65 | .042 | ---- | 201 | 695 - | 160 | 59.50B | 2.00A |
| 2905 | ---- | 2.75B | *1.80A | ---- | 1.70- | 60 | .038 | ---- | ---- | 757 | UNCH | 30.25B | 1.80A |
| 2910 | 2.00 | 2.45B | *1.65A | ---- | 1.55- | 55 | .035 | ---- | 5 | 296 + | 3 | 55.00B | 1.65A |
| 2915 | ---- | 2.20B | *1.50A | ---- | 1.40- | 50 | .032 | ---- | ---- | 344 | UNCH | 24.25B | 1.50A |
| 2920 | 2.00 | 2.00 | *1.35A | ---- | 1.25- | 45 | .029 | ---- | 8 | 344 - | 2 | 50.50B | 1.35A |
| 2925 | ---- | 1.80B | *1.25A | ---- | 1.15- | 40 | .026 | ---- | ---- | 1095 | UNCH | 48.50B | 1.25A |
| 2930 | ---- | 1.65B | *1.15A | ---- | 1.05- | 40 | .024 | ---- | 3 | 813 + | 3 | 46.50B | 1.15A |
| 2935 | ---- | 1.50B | *1.05A | ---- | .95- | 35 | .022 | ---- | ---- | 300 | UNCH | 19.25B | 1.05A |
| 2940 | ---- | 1.35B | *.95A | ---- | .85- | 35 | .020 | ---- | ---- | 145 | UNCH | 42.50B | .95A |
| 2945 | 1.00 | 1.25B | *.90A | ---- | .75- | 35 | .018 | ---- | 133 | 533 + | 131 | 18.75 | .90A |
| 2950 | ---- | 1.15B | *.80A | ---- | .70- | 30 | .017 | ---- | 2 | 787 | UNCH | 38.75B | .80A |
| 2955 | 0.85 | 1.05B | *.75A | ---- | .65- | 30 | .015 | ---- | 1 | 467 - | 1 | 15.50B | .75A |
| 2960 | 0.95 | .95 | *.70A | ---- | .60- | 25 | .014 | ---- | 100 | 139 | UNCH | 35.25B | .70A |
| 2965 | ---- | .85B | *.65A | ---- | .55- | 25 | .013 | ---- | ---- | 261 | UNCH | 13.75B | .65A |
| 2970 | ---- | .80B | *.65A | ---- | .50- | 25 | .012 | ---- | ---- | 210 | UNCH | 32.00B | .65A |
| 2975 | ---- | .75B | *.60A | ---- | .45- | 25 | .011 | ---- | ---- | 551 | UNCH | 30.50B | .60A |
| 2980 | ---- | .70B | *.55A | ---- | .40- | 25 | .010 | ---- | ---- | 351 | UNCH | 29.00B | .55A |
| 2985 | ---- | .65B | *.50A | ---- | .40- | 20 | .009 | ---- | ---- | 336 | UNCH | 7.25B | .50A |
| 2990 | ---- | .60B | *.50A | ---- | .35- | 20 | .008 | ---- | ---- | 440 | UNCH | 26.25B | .50A |

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47 Side 12

## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2995 | ---- | .55B | *.45A | ---- | .35- | 15 | .008 | ---- | ---- | 5 | UNCH | 6.50B | .45A |
| 3000 | ---- | ---- | *.45A | ---- | .30- | 20 | .007 | ---- | ---- | 597 | UNCH | 23.50 | .45A |
| 3005 | ---- | ---- | *.40A | ---- | .30- | 15 | .007 | ---- | ---- | 52 | UNCH | 5.75B | .40A |
| 3010 | ---- | .45B | ---- | ---- | .30- | 10 | .007 | ---- | ---- | 455 | UNCH | 21.25B | .55A |
| 3015 | ---- | ---- | ---- | ---- | .25- | 15 | .006 | ---- | ---- | 512 | UNCH | 5.25B | .45A |
| 3020 | ---- | ---- | *.35A | ---- | .25- | 15 | .006 | ---- | ---- | 190 | UNCH | 19.00B | .35A |
| 3025 | ---- | ---- | ---- | ---- | .25- | 10 | .006 | ---- | ---- | 537 | UNCH | 18.00B | .40A |
| 3030 | ---- | ---- | ---- | ---- | .25- | 10 | .006 | ---- | ---- | 2 | UNCH | 17.00B | .45A |
| 3035 | ---- | ---- | ---- | ---- | .25- | 10 | .005 | ---- | ---- | 157 | UNCH | 4.30B | .45A |
| 3040 | ---- | ---- | ---- | ---- | .20- | 10 | .004 | ---- | ---- | 542 | UNCH | 15.25B | .35A |
| 3045 | ---- | ---- | ---- | ---- | .20- | 10 | .004 | ---- | ---- | 100 | UNCH | 1.30B | .40A |
| 3050 | 0.30 | .30 | *.30 | ---- | .20- | 10 | .004 | ---- | 100 | 142 + | 24 | 13.50B | .30 |
| 3060 | ---- | ---- | ---- | ---- | .20- | 5 | .004 | ---- | ---- | 100 | UNCH | 12.25B | .35A |
| 3070 | ---- | ---- | ---- | ---- | .15- | 10 | .003 | ---- | ---- | 184 | UNCH | 10.75B | .35A |
| 3075 | ---- | ---- | ---- | ---- | .15- | 10 | .003 | ---- | ---- | 62 | UNCH | 10.25B | .25A |
| 3080 | ---- | ---- | ---- | ---- | .15- | 5 | .003 | ---- | ---- | 460 | UNCH | 9.75B | .30 |
| 3090 | ---- | ---- | ---- | ---- | .15- | 5 | .003 | ---- | ---- | 130 | UNCH | 8.75B | .30A |
| 3100 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | 2 | 360 | UNCH | 7.75B | .30A |
| 3120 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 7 | UNCH | 6.25B | .25A |
| 3125 | ---- | ---- | ---- | ---- | .10 | UNCH | .002 | ---- | ---- | 212 | UNCH | 6.00B | .25A |
| 3130 | ---- | ---- | ---- | ---- | .10 | UNCH | .002 | ---- | ---- | 1050 | UNCH | 5.75B | .25A |
| 3140 | ---- | ---- | ---- | ---- | .10 | UNCH | .002 | ---- | ---- | 75 | UNCH | 5.00B | .20A |
| 3150 | ---- | ---- | ---- | ---- | .05 | UNCH | .001 | ---- | ---- | 551 | UNCH | 4.70B | .20A |
| 3160 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 50 | UNCH | 4.30B | .25A |
| 3170 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 10 | UNCH | 3.90B | .25A |
| 3175 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 117 | UNCH | 3.75B | .25A |
| 3200 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 5 | UNCH | 3.00B | .20A |
| 3210 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 229 | UNCH | 2.80B | .20 |
| 3250 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 2 | UNCH | 2.00B | 1.15A |
| 3270 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 160 | UNCH | 1.75B | .20A |
| 3275 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 156 | UNCH | 1.70B | .15A |
| 3280 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 60 | UNCH | 1.65B | .20A |
| 3290 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 200 | UNCH | 1.55B | .20 |
| 3325 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | 1.25B | .55 |
| 4000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 4064 | 60295 + | 411 | | |
| SEP18 | | | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | 2197.20- | 2360 | .999 | ---- | ---- | 560 | UNCH | ---- | ---- |
| 1300 | ---- | ---- | ---- | ---- | 1401.60- | 2370 | .997 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | ---- | 906.00- | 2330 | .987 | ---- | ---- | 50 | UNCH | 968.50B | ---- |
| 1900 | ---- | ---- | ---- | ---- | 807.40- | 2310 | .982 | ---- | ---- | 25 | UNCH | 869.75B | ---- |
| 1925 | ---- | ---- | ---- | ---- | 782.80- | 2310 | .980 | ---- | 350 | 605 + | 350 | 845.25B | 748.25A |
| 1950 | ---- | ---- | ---- | ---- | 758.30- | 2300 | .978 | ---- | ---- | 10 | UNCH | 820.50B | ---- |
| 1975 | ---- | ---- | ---- | ---- | 733.80- | 2300 | .976 | ---- | ---- | 42 | UNCH | 795.75B | 700.75A |
| 1980 | ---- | ---- | ---- | ---- | 728.90- | 2300 | .976 | ---- | ---- | 25 | UNCH | 791.00B | 696.00A |
| 1990 | ---- | ---- | ---- | ---- | 719.10- | 2290 | .975 | ---- | ---- | 1 | UNCH | 781.00B | 686.50A |
| 2000 | ---- | ---- | ---- | ---- | 709.30- | 2290 | .974 | ---- | ---- | 149 | UNCH | 781.00B | 677.00A |
| 2050 | ---- | ---- | ---- | ---- | 660.40- | 2280 | .968 | ---- | ---- | 4010 | UNCH | 722.25B | 630.00A |
| 2130 | ---- | ---- | ---- | ---- | 582.70- | 2240 | .957 | ---- | ---- | 5 | UNCH | 646.00 | 555.50A |
| 2170 | ---- | ---- | ---- | ---- | 544.10- | 2220 | .950 | ---- | ---- | 4 | UNCH | 604.75B | 432.75A |
| 2200 | ---- | 542.25B | 520.50A | ---- | 515.20- | 2210 | .943 | ---- | ---- | 2 | UNCH | 575.50B | 421.25A |
| 2320 | ---- | 433.00B | 403.50A | ---- | 401.40- | 2090 | .907 | ---- | ---- | 5 | UNCH | 483.75B | 315.50A |
| 2340 | ---- | 413.75B | 385.00A | ---- | 382.80- | 2070 | .899 | ---- | ---- | 5 | UNCH | 464.75B | 298.75A |
| 2350 | ---- | 404.75B | 375.75A | ---- | 373.50- | 2060 | .895 | ---- | ---- | 5 | UNCH | 455.00B | 290.25A |
| 2370 | ---- | 385.25B | 357.00A | ---- | 355.00- | 2040 | .886 | ---- | ---- | 5 | UNCH | 436.00B | 273.50A |
| 2375 | ---- | 380.50B | 352.50A | ---- | 350.40- | 2030 | .883 | ---- | ---- | 5 | UNCH | 431.25B | 269.50A |
| 2380 | ---- | 376.00B | 348.00A | ---- | 345.80- | 2030 | .881 | ---- | ---- | 5 | UNCH | 426.50B | 265.25A |
| 2500 | ---- | 271.00B | 239.00A | ---- | 238.70- | 1780 | .802 | ---- | ---- | 560 | UNCH | 314.00B | 171.75A |
| 2540 | ---- | 235.25B | 205.00A | ---- | 204.60- | 1710 | .765 | ---- | ---- | 1 | UNCH | 277.25B | 143.50A |
| 2570 | ---- | 209.25B | 180.50A | ---- | 179.80- | 1630 | .732 | ---- | ---- | 1 | UNCH | 250.25B | 123.50A |
| 2575 | ---- | 205.00B | 176.25A | ---- | 175.80- | 1610 | .727 | ---- | ---- | 25 | UNCH | 245.75B | 120.25A |
| 2580 | ---- | 200.75B | 172.25A | ---- | 171.70- | 1600 | .721 | ---- | ---- | 32 | UNCH | 241.25B | 117.00A |
| 2600 | ---- | 183.75B | 156.50A | ---- | 155.80- | 1540 | .695 | ---- | ---- | 54 | UNCH | 223.50B | 104.50A |
| 2620 | 153.75 | 167.25B | 140.75A | ---- | 140.30- | 1470 | .668 | ---- | 15 | 14 + | 13 | 206.00B | 92.75A |
| 2625 | ---- | 163.00B | 137.25A | ---- | 136.50- | 1450 | .660 | ---- | 350 | 1183 + | 350 | 201.75B | 89.75A |
| 2630 | ---- | 159.00B | 133.25A | ---- | 132.80- | 1430 | .653 | ---- | ---- | 107 | UNCH | 197.25B | 87.00A |
| 2650 | ---- | 143.00B | 118.50A | ---- | 118.00- | 1360 | .621 | ---- | ---- | 5 | UNCH | 180.50B | 75.75A |
| 2660 | ---- | 135.00B | 111.25A | ---- | 110.80- | 1320 | .605 | ---- | ---- | 190 | UNCH | 172.00B | 70.75A |
| 2670 | ---- | 127.25B | 104.25A | ---- | 103.70- | 1290 | .587 | ---- | ---- | 59 | UNCH | 163.75B | 65.50A |
| 2675 | 103.50 | 123.50B | 100.75A | ---- | 100.30- | 1260 | .578 | ---- | 23 | 230 + | 23 | 159.50B | 63.25A |
| 2680 | ---- | 119.75B | 97.50A | ---- | 96.80- | 1250 | .569 | ---- | ---- | 22 | UNCH | 155.50B | 60.50A |
| 2690 | ---- | 112.25B | 90.75A | ---- | 90.10- | 1200 | .550 | ---- | ---- | 205 | UNCH | 147.25B | 56.00A |
| 2700 | ---- | 104.75B | 84.00A | ---- | 83.50- | 1160 | .530 | ---- | ---- | 61 | UNCH | 139.50B | 51.75A |
| 2710 | ---- | 97.75B | 77.50A | ---- | 77.20- | 1100 | .510 | ---- | ---- | 31 | UNCH | 131.50B | 47.50A |
| 2715 | 74.75 | 94.25B | 74.50A | ---- | 74.10- | 1070 | .499 | ---- | 20 | 30 + | 20 | 127.50B | 45.50A |
| 2720 | ---- | 90.75B | 71.50A | ---- | 71.00- | 1040 | .489 | ---- | ---- | 10 | UNCH | 123.75B | 43.50A |
| 2725 | ---- | 87.25B | 68.25A | ---- | 68.10- | 1000 | .478 | ---- | ---- | 105 | UNCH | 120.00B | 41.50 |
| 2730 | ---- | 84.00B | 65.50A | ---- | 65.10- | 970 | .467 | ---- | ---- | 162 | UNCH | 116.00B | 39.75A |
| 2735 | ---- | 80.50B | 62.50A | ---- | 62.20- | 940 | .456 | ---- | ---- | 30 | UNCH | 112.50B | 38.00A |
| 2740 | ---- | 77.25B | 59.50A | ---- | 59.30- | 920 | .444 | ---- | ---- | 79 | UNCH | 108.75B | 36.25A |
| 2745 | ---- | 74.00B | 56.75A | ---- | 56.40- | 900 | .433 | ---- | ---- | 28 | UNCH | 105.00B | 34.50A |
| 2750 | ---- | 70.75B | 54.00A | ---- | 53.70- | 870 | .421 | ---- | ---- | 4188 | UNCH | 101.25B | 32.75A |
| 2755 | 61.75 | 67.75B | *51.50A | ---- | 51.00+ | NEW | .409 | ---- | 50 | 50 + | 50 | 86.75B | 51.50A |
| 2760 | ---- | 64.50B | 48.75A | ---- | 48.40- | 820 | .397 | ---- | ---- | 77 | UNCH | 94.25B | 29.75A |
| 2770 | ---- | 58.50B | 43.75A | ---- | 43.40- | 760 | .373 | ---- | ---- | 180 | UNCH | 87.50B | 26.75A |
| 2775 | 41.25 | 55.50B | 41.25 | ---- | 41.00- | 730 | .361 | ---- | 3 | 82 - | 3 | 84.00B | 25.50A |
| 2780 | 39.00 | 52.75B | 39.00 | ---- | 38.60- | 720 | .348 | ---- | 3 | 59 | UNCH | 80.75B | 24.00A |
| 2785 | 44.75 | 50.00B | 36.75A | ---- | 36.30- | 700 | .336 | ---- | 3 | 24 + | 3 | 77.50B | 32.75A |
| 2790 | 44.50 | 47.25B | 34.50A | ---- | 34.10- | 680 | .323 | ---- | 20 | 254 + | 20 | 74.25B | 21.50A |
| 2795 | ---- | 44.50B | 32.50A | ---- | 31.90- | 660 | .310 | ---- | ---- | 334 | UNCH | 71.00B | 28.75A |
| 2800 | 37.00 | 42.00B | 30.25A | ---- | 29.90- | 620 | .298 | ---- | 32 | 229 + | 30 | 68.00B | 19.25A |
| 2810 | ---- | 37.00B | 26.50A | ---- | 26.10- | 550 | .273 | ---- | ---- | 170 | UNCH | 62.00B | 17.25A |
| 2815 | ---- | 34.75B | 24.75A | ---- | 24.30- | 520 | .260 | ---- | ---- | 193 | UNCH | 59.00B | 16.25A |
| 2820 | 28.50 | 32.50B | 23.00A | ---- | 22.60- | 480 | .248 | ---- | 1 | 489 + | 1 | 56.25B | 15.25A |
| 2825 | 24.00 | 30.25B | 21.25A | ---- | 21.00- | 450 | .236 | ---- | 20 | 553 | UNCH | 53.50B | 14.50A |
| 2830 | ---- | 28.25B | 19.75A | ---- | 19.50- | 420 | .225 | ---- | ---- | 149 | UNCH | 50.75B | 13.50A |
| 2835 | 24.50 | 26.25B | *18.25A | ---- | 18.00+ | NEW | .213 | ---- | 1 | 1 + | 1 | 41.75B | 18.25A |
| 2840 | ---- | 24.25B | 16.75A | ---- | 16.60- | 360 | .201 | ---- | ---- | 211 | UNCH | 45.50B | 12.00A |
| 2845 | 19.50 | 22.50B | 15.50A | ---- | 15.30- | 340 | .190 | ---- | 1 | 104 + | 1 | 43.00B | 14.50A |
| 2850 | 18.25 | 20.75B | 14.25A | ---- | 14.10- | 310 | .179 | ---- | 1 | 227 | UNCH | 40.75B | 10.75A |
| 2855 | 16.75 | 19.25B | *13.25A | ---- | 12.90- | 290 | .168 | ---- | 2 | 36 + | 2 | 32.75B | 13.25A |
| 2860 | ---- | 17.50B | 12.00A | ---- | 11.90- | 260 | .158 | ---- | ---- | 155 | UNCH | 36.75B | 9.50A |
| 2865 | 12.25 | 16.25B | *11.00A | ---- | 10.80- | 250 | .147 | ---- | 6 | 100 | UNCH | 28.75B | 11.00A |
| 2870 | 10.25 | 14.75B | 10.25 | ---- | 9.90- | 230 | .138 | ---- | 10 | 72 - | 3 | 33.75B | 8.50A |
| 2875 | 10.00 | 13.75 | 9.25A | ---- | 9.00- | 210 | .129 | ---- | 11 | 172 + | 1 | 32.25B | 8.00A |
| 2880 | 11.50 | 12.25B | 8.50A | ---- | 8.20- | 200 | .120 | ---- | 2 | 140 + | 2 | 31.00B | 7.50A |
| 2885 | 9.00 | 11.25B | *7.75A | ---- | 7.40- | 190 | .111 | ---- | 1 | 62 + | 1 | 18.50B | 7.75A |
| 2890 | ---- | 10.25B | 7.00A | ---- | 6.80- | 160 | .104 | ---- | ---- | 134 | UNCH | 28.25B | 6.50A |
| 2895 | ---- | 9.25B | *6.50A | ---- | 6.10- | 160 | .095 | ---- | ---- | 45 | UNCH | 15.75B | 6.50A |
| 2900 | 7.00 | 8.50B | 6.00A | ---- | 5.60- | 140 | .089 | ---- | 1 | 275 | UNCH | 25.75B | 5.75A |
| 2905 | 7.00 | 7.75B | *5.50A | ---- | 5.10- | 130 | .082 | ---- | 28 | 101 | UNCH | 16.50 | 5.50A |
| 2910 | ---- | 7.00B | *4.85A | ---- | 4.65- | 125 | .076 | ---- | ---- | 223 | UNCH | 23.50B | 4.85A |
| 2915 | ---- | 6.25B | *4.40A | ---- | 4.25- | 115 | .071 | ---- | 1 | 110 - | 1 | 17.25B | 4.40A |
| 2920 | ---- | 5.75B | *4.00A | ---- | 3.85- | 105 | .065 | ---- | ---- | 212 | UNCH | 21.25B | 4.00A |
| 2925 | 5.25 | 5.25 | *3.70A | ---- | 3.55- | 90 | .061 | ---- | 3 | 200 | UNCH | 20.25B | 3.70A |
| 2930 | ---- | 4.75B | *3.35A | ---- | 3.25- | 80 | .056 | ---- | ---- | 57 | UNCH | 19.25B | 3.35A |
| 2935 | ---- | 4.35B | *3.10A | ---- | 2.95- | 75 | .052 | ---- | ---- | 21 | UNCH | 7.75 | 3.10A |
| 2940 | ---- | 3.95B | *2.85A | ---- | 2.70- | 65 | .048 | ---- | ---- | 228 | UNCH | 17.50B | 2.85A |
| 2950 | ---- | 3.30B | *2.45A | ---- | 2.30- | 50 | .042 | ---- | ---- | 51 | UNCH | 15.75B | 2.45A |
| 2960 | ---- | 2.75B | *2.05A | ---- | 1.95- | 45 | .036 | ---- | ---- | 673 | UNCH | 14.25B | 2.05A |
| 2970 | ---- | 2.30B | *1.80A | ---- | 1.65- | 40 | .031 | ---- | ---- | 713 | UNCH | 12.75B | 1.80A |
| 2975 | ---- | 2.15B | *1.60A | ---- | 1.50- | 40 | .028 | ---- | ---- | 138 | UNCH | 12.25B | 1.60A |
| 2980 | ---- | 1.95B | *1.50A | ---- | 1.40- | 35 | .027 | ---- | ---- | 164 | UNCH | 11.50B | 1.50A |
| 2990 | ---- | 1.70B | *1.30A | ---- | 1.20- | 30 | .023 | ---- | ---- | 70 | UNCH | 10.50B | 1.30A |
| 2995 | ---- | 1.55B | *1.25A | ---- | 1.10- | 30 | .021 | ---- | ---- | 37 | UNCH | 3.10B | 1.25A |
| 3000 | 1.45 | 1.45 | *1.15A | ---- | 1.05- | 25 | .020 | ---- | 1 | 271 + | 1 | 9.25B | 1.15A |
| 3010 | ---- | 1.25B | *1.05A | ---- | .90- | 25 | .018 | ---- | ---- | 53 | UNCH | 8.50B | 1.05A |
| 3020 | 1.05 | 1.10B | *.90A | ---- | .80- | 20 | .016 | ---- | 39 | 172 | UNCH | 7.50B | .90A |
| 3025 | ---- | 1.00B | *.85A | ---- | .75- | 20 | .015 | ---- | ---- | 120 | UNCH | 7.00B | .85A |
| 3030 | ---- | .95B | *.80A | ---- | .70- | 20 | .014 | ---- | ---- | 78 | UNCH | 6.75B | .80A |
| 3035 | ---- | .90B | *.75A | ---- | .65- | 20 | .013 | ---- | ---- | 100 | UNCH | 2.15B | .75A |
| 3050 | ---- | .75B | *.65A | ---- | .55- | 15 | .011 | ---- | ---- | 11 | UNCH | 5.50B | .65A |
| 3060 | ---- | ---- | *.60A | ---- | .50- | 15 | .010 | ---- | ---- | 247 | UNCH | 4.90B | .60A |
| 3070 | ---- | ---- | *.55A | ---- | .45- | 15 | .009 | ---- | ---- | 76 | UNCH | 4.40B | .55A |
| 3075 | ---- | ---- | *.50A | ---- | .45- | 10 | .009 | ---- | ---- | 123 | UNCH | 4.15B | .50A |
| 3080 | ---- | ---- | ---- | ---- | .45- | 5 | .008 | ---- | ---- | 122 | UNCH | 3.95B | .55A |
| 3090 | ---- | ---- | *.45A | ---- | .40- | 10 | .008 | ---- | ---- | 44 | UNCH | 3.50B | .45A |
| 3100 | ---- | ---- | *.40A | ---- | .35- | 10 | .007 | ---- | ---- | 23 | UNCH | 3.15B | .40A |
| 3110 | ---- | ---- | ---- | ---- | .35- | 5 | .006 | ---- | ---- | 156 | UNCH | 2.80B | .40A |
| 3120 | ---- | ---- | ---- | ---- | .30- | 5 | .005 | ---- | ---- | 59 | UNCH | 2.55B | .50A |
| 3125 | ---- | ---- | ---- | ---- | .30- | 5 | .005 | ---- | ---- | 152 | UNCH | 2.40B | .45A |
| 3130 | ---- | ---- | ---- | ---- | .25- | 10 | .005 | ---- | ---- | 177 | UNCH | 2.25B | .45A |
| 3140 | ---- | ---- | ---- | ---- | .25- | 5 | .004 | ---- | ---- | 375 | UNCH | 2.05B | .40A |
| 3150 | ---- | ---- | ---- | ---- | .20- | 10 | .004 | ---- | ---- | 107 | UNCH | 1.80B | .40A |

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# E-MINI S&P 500 CALL OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3175 | ---- | ---- | ---- | ---- | .15- | 5 | .003 | ---- | ---- | 5 | UNCH | 1.40B | .35A |
| 3210 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 12 | UNCH | .95B | .25A |
| 3230 | ---- | ---- | ---- | ---- | .05- | 5 | .001 | ---- | ---- | 5 | UNCH | .75B | .25A |
| 3400 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 4000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 998 | 23095 + | 862 | | |
| OCT18 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | 1201.30- | 2350 | .994 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1775 | ---- | ---- | ---- | ---- | 930.20- | 2310 | .984 | ---- | ---- | 32 | UNCH | 991.75B | ---- |
| 2475 | ---- | 302.00B | 271.00A | ---- | 270.80- | 1730 | .794 | ---- | ---- | 1 | UNCH | 343.25B | 200.25A |
| 2525 | ---- | 258.50B | 229.25A | ---- | 229.00- | 1620 | .753 | ---- | ---- | 3 | UNCH | 298.75B | 164.50A |
| 2600 | 177.00 | 195.75B | 169.75A | ---- | 169.40- | 1430 | .674 | ---- | 4 | 4 + | 4 | 233.50B | 115.75A |
| 2650 | ---- | 156.25B | 132.75A | ---- | 132.20- | 1310 | .609 | ---- | ---- | 448 | UNCH | 191.75B | 87.00A |
| 2660 | ---- | 148.50B | 125.75A | ---- | 125.10- | 1280 | .594 | ---- | ---- | 3 | UNCH | 183.50B | 81.75A |
| 2670 | 132.00 | 141.00B | 118.75A | ---- | 118.10- | 1250 | .579 | ---- | 20 | 21 + | 20 | 175.75B | 76.50A |
| 2680 | 131.25 | 133.50B | 112.00A | ---- | 111.30- | 1220 | .563 | ---- | 20 | 23 + | 20 | 167.75B | 71.50A |
| 2690 | 124.00 | 126.25B | 105.25A | ---- | 104.70- | 1180 | .547 | ---- | 20 | 92 + | 20 | 160.00B | 66.75A |
| 2700 | 111.00 | 119.25B | 98.75A | ---- | 98.30- | 1130 | .531 | ---- | 40 | 93 + | 40 | 152.25B | 62.00A |
| 2710 | ---- | 112.25B | 92.50A | ---- | 92.00- | 1080 | .513 | ---- | ---- | 221 | UNCH | 144.50B | 57.75A |
| 2715 | ---- | 108.75B | 89.25A | ---- | 88.90- | 1060 | .505 | ---- | ---- | 6 | UNCH | 140.75B | 55.50A |
| 2720 | ---- | 105.25B | 86.25A | ---- | 85.90- | 1030 | .496 | ---- | ---- | 10 | UNCH | 137.00B | 53.50A |
| 2725 | ---- | 102.00B | 83.25A | ---- | 82.80- | 1020 | .487 | ---- | ---- | 49 | UNCH | 133.25B | 51.50A |
| 2730 | ---- | 98.50B | 80.25A | ---- | 79.80- | 990 | .477 | ---- | ---- | 279 | UNCH | 129.75B | 49.50A |
| 2735 | ---- | 95.50B | 77.25A | ---- | 76.80- | 970 | .468 | ---- | ---- | 12 | UNCH | 126.00B | 47.50A |
| 2740 | ---- | 92.25B | 74.25A | ---- | 73.90- | 950 | .459 | ---- | ---- | 29 | UNCH | 122.50B | 45.75A |
| 2745 | ---- | 89.00B | 71.50A | ---- | 71.10- | 920 | .449 | ---- | ---- | 6 | UNCH | 119.00B | 43.75A |
| 2750 | ---- | 85.75B | 68.75A | ---- | 68.20- | 900 | .439 | ---- | ---- | 123 | UNCH | 115.25B | 42.00A |
| 2755 | 73.00 | 82.50B | *66.00A | ---- | 65.50- | 870 | .430 | ---- | 2 | 100 | UNCH | 101.50B | 66.00A |
| 2760 | ---- | 79.50B | 63.25A | ---- | 62.80- | 840 | .420 | ---- | ---- | 29 | UNCH | 108.25B | 38.50A |
| 2770 | ---- | 73.50B | 58.00A | ---- | 57.60- | 790 | .400 | ---- | ---- | 143 | UNCH | 101.75B | 35.25A |
| 2775 | ---- | 70.50B | 55.50A | ---- | 55.10- | 760 | .390 | ---- | ---- | 154 | UNCH | 98.25B | 33.75A |
| 2780 | ---- | 67.50B | 53.00A | ---- | 52.60- | 740 | .379 | ---- | ---- | 184 | UNCH | 95.00B | 32.25A |
| 2785 | ---- | 64.75B | 50.50A | ---- | 50.20- | 720 | .369 | ---- | ---- | 43 | UNCH | 91.75B | 43.75A |
| 2790 | ---- | 62.00B | 48.00A | ---- | 47.80- | 700 | .359 | ---- | ---- | 97 | UNCH | 88.50B | 29.50A |
| 2795 | ---- | 59.25B | 45.75A | ---- | 45.50- | 680 | .348 | ---- | ---- | 46 | UNCH | 85.50B | 39.75A |
| 2800 | ---- | 56.50B | 43.50A | ---- | 43.20- | 660 | .338 | ---- | ---- | 1458 | UNCH | 82.25B | 26.75A |
| 2810 | ---- | 51.25B | 39.25A | ---- | 38.90- | 610 | .317 | ---- | ---- | 82 | UNCH | 76.25B | 24.25A |
| 2815 | ---- | 48.75B | 37.25A | ---- | 36.80- | 600 | .306 | ---- | ---- | 284 | UNCH | 73.25B | 23.00A |
| 2820 | ---- | 46.50B | 35.00A | ---- | 34.80- | 570 | .295 | ---- | ---- | 49 | UNCH | 70.50B | 22.00A |
| 2825 | ---- | 44.00B | 33.25A | ---- | 32.90- | 550 | .285 | ---- | ---- | 81 | UNCH | 67.50B | 20.75A |
| 2830 | ---- | 41.75B | 31.25A | ---- | 31.00- | 530 | .274 | ---- | ---- | 28 | UNCH | 64.75B | 19.75A |
| 2850 | ---- | 33.25B | 24.50A | ---- | 24.30- | 420 | .233 | ---- | ---- | 34 | UNCH | 54.25B | 16.00A |
| 2855 | 28.00 | 31.25B | *23.00A | ---- | 22.80+ | NEW | .223 | ---- | 2 | 2 + | 2 | 43.00B | 23.00A |
| 2860 | ---- | 29.25B | 21.50A | ---- | 21.30- | 380 | .213 | ---- | ---- | 6 | UNCH | 49.25B | 14.50A |
| 2870 | ---- | 25.75B | 18.75A | ---- | 18.50- | 350 | .194 | ---- | ---- | 13 | UNCH | 44.75B | 13.00A |
| 2875 | ---- | 24.25B | 17.50A | ---- | 17.20- | 340 | .184 | ---- | ---- | 252 | UNCH | 42.50B | 12.25A |
| 2880 | ---- | 22.50B | 16.50A | ---- | 16.00- | 320 | .175 | ---- | ---- | 278 | UNCH | 40.25B | 11.75A |
| 2885 | ---- | 21.00B | *15.25A | ---- | 14.90- | 300 | .166 | ---- | ---- | 1 | UNCH | 30.25B | 15.25A |
| 2890 | ---- | 19.50B | 14.25A | ---- | 13.80- | 280 | .157 | ---- | ---- | 51 | UNCH | 36.25B | 10.50A |
| 2900 | ---- | 17.00B | 12.25A | ---- | 12.00- | 230 | .141 | ---- | ---- | 109 | UNCH | 32.50B | 9.50A |
| 2905 | ---- | 15.75B | *11.50A | ---- | 11.10- | 220 | .133 | ---- | ---- | 1 | UNCH | 23.50B | 11.50A |
| 2910 | ---- | 14.50B | 10.50A | ---- | 10.30- | 200 | .126 | ---- | ---- | 11 | UNCH | 29.00B | 8.50A |
| 2915 | ---- | 13.50B | 9.75A | ---- | 9.50- | 190 | .118 | ---- | ---- | 1 | UNCH | 27.25B | 8.00A |
| 2920 | ---- | 12.50B | 9.00A | ---- | 8.80- | 180 | .112 | ---- | ---- | 15 | UNCH | 25.75B | 7.50A |
| 2925 | 9.50 | 11.50B | 8.50A | ---- | 8.10- | 170 | .105 | ---- | 3 | 26 + | 3 | 24.25B | 7.25A |
| 2930 | ---- | 10.75B | 7.75A | ---- | 7.50- | 160 | .098 | ---- | ---- | 264 | UNCH | 22.75B | 6.75A |
| 2935 | ---- | 9.75B | *7.25A | ---- | 6.90- | 150 | .092 | ---- | ---- | 2 | UNCH | 15.50B | 7.25A |
| 2940 | ---- | 9.00B | 6.75A | ---- | 6.40- | 140 | .087 | ---- | ---- | 17 | UNCH | 20.00B | 6.00A |
| 2950 | ---- | 7.75B | 5.75A | ---- | 5.50- | 120 | .077 | ---- | ---- | 11 | UNCH | 17.50B | 5.50A |
| 2960 | ---- | 6.50B | 4.90A | ---- | 4.70- | 100 | .067 | ---- | ---- | 1 | UNCH | 15.50B | 4.90A |
| 2965 | ---- | 6.00B | *4.55A | ---- | 4.35- | 85 | .063 | ---- | ---- | 143 | UNCH | 10.00B | 4.55A |
| 2975 | ---- | 5.00B | *3.95A | ---- | 3.75- | 70 | .056 | ---- | ---- | 5 | UNCH | 12.75B | 3.95A |
| 2980 | ---- | 4.80B | *3.70A | ---- | 3.50- | 60 | .052 | ---- | ---- | 2 | UNCH | 11.75B | 3.70A |
| 2990 | 3.30 | 4.10B | *3.25A | ---- | 3.05- | 50 | .046 | ---- | 1 | ---- | 1 | 10.25B | 3.25A |
| 2995 | ---- | 3.80B | *3.05A | ---- | 2.85- | 45 | .044 | ---- | ---- | 250 | UNCH | 6.50B | 3.05A |
| 3000 | ---- | 3.50B | *2.85A | ---- | 2.65- | 45 | .041 | ---- | ---- | 104 | UNCH | 9.00B | 2.85A |
| 3010 | ---- | 3.05B | *2.55A | ---- | 2.35- | 35 | .037 | ---- | ---- | 312 | UNCH | 8.00B | 2.55A |
| 3030 | ---- | 2.30B | *1.95A | ---- | 1.85- | 25 | .029 | ---- | ---- | 142 | UNCH | 6.25B | 1.95A |
| 3040 | ---- | 2.00B | *1.70A | ---- | 1.65- | 20 | .026 | ---- | ---- | 246 | UNCH | 5.50B | 1.70A |
| 3050 | ---- | 1.75B | *1.55A | ---- | 1.50- | 15 | .024 | ---- | ---- | 317 | UNCH | 4.95 | 1.55A |
| 3060 | ---- | 1.55B | *1.40A | ---- | 1.30- | 20 | .021 | ---- | ---- | 80 | UNCH | 4.30B | 1.40A |
| 3070 | ---- | 1.45B | *1.25A | ---- | 1.20- | 15 | .019 | ---- | ---- | 181 | UNCH | 3.85B | 1.25A |
| 3075 | ---- | 1.35B | *1.20A | ---- | 1.15- | 10 | .019 | ---- | ---- | 450 | UNCH | 3.65B | 1.20A |
| 3100 | ---- | ---- | *.95A | ---- | .90- | 10 | .015 | ---- | ---- | 1 | UNCH | 2.85B | .95A |
| 3130 | ---- | ---- | ---- | ---- | .65- | 10 | .011 | ---- | ---- | 156 | UNCH | 2.15B | 1.00A |
| 3150 | ---- | ---- | ---- | ---- | .55- | 5 | .009 | ---- | ---- | 494 | UNCH | 1.85B | .65 |
| 3160 | ---- | ---- | ---- | ---- | .50- | 5 | .008 | ---- | ---- | 2 | UNCH | 1.75B | .80A |
| 3170 | ---- | ---- | ---- | ---- | .45- | 5 | .007 | ---- | ---- | 2 | UNCH | 1.60B | .80A |
| 3175 | ---- | ---- | ---- | ---- | .45- | 5 | .007 | ---- | ---- | 80 | UNCH | 1.55 | .75A |
| 3260 | ---- | ---- | ---- | ---- | .25 | UNCH | .004 | ---- | ---- | 8 | UNCH | .85B | ---- |
| 3500 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 112 | 8305 + | 108 | | |
| NOV18 | | | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | 2189.20- | 2360 | .999 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2280 | ---- | 483.75B | *449.50A | ---- | 449.40- | 1980 | .885 | ---- | ---- | 60 | UNCH | 528.25B | 449.50A |
| 2490 | 292.50 | 296.00B | *266.75A | ---- | 266.40+ | NEW | .766 | ---- | 20 | 20 + | 20 | 336.25B | 266.75A |
| 2495 | 288.25 | 291.75B | *262.50A | ---- | 262.30+ | NEW | .762 | ---- | 20 | 20 + | 20 | 320.25B | 262.50A |
| 2500 | ---- | 287.50B | *258.50A | ---- | 258.20- | 1640 | .758 | ---- | ---- | 5 | UNCH | 327.50B | 258.50A |
| 2550 | ---- | 245.50B | *218.50A | ---- | 218.00- | 1550 | .714 | ---- | ---- | 2 | UNCH | 284.00B | 218.50A |
| 2705 | ---- | 127.50B | *107.50A | ---- | 107.00- | 1110 | .524 | ---- | ---- | 96 | UNCH | 148.75B | 107.50A |
| 2720 | ---- | 117.25B | *98.00A | ---- | 97.70- | 1050 | .500 | ---- | ---- | 1 | UNCH | 147.75B | 98.00A |
| 2725 | 106.00 | 114.00B | *95.00A | ---- | 94.70+ | NEW | .492 | ---- | 1 | 1 + | 1 | 144.25B | 95.00A |
| 2745 | ---- | 101.00B | *83.25A | ---- | 82.90- | 930 | .459 | ---- | ---- | 1 | UNCH | 130.00B | 83.25A |
| 2755 | ---- | 94.50B | *77.50A | ---- | 77.20- | 890 | .442 | ---- | ---- | 1 | UNCH | 113.50B | 77.50A |
| 2765 | ---- | 88.50B | *72.00A | ---- | 71.80- | 850 | .425 | ---- | ---- | 2 | UNCH | 106.75B | 72.00A |
| 2770 | ---- | 85.50B | *69.50A | ---- | 69.10- | 830 | .416 | ---- | ---- | 4 | UNCH | 113.00B | 69.50A |
| 2775 | ---- | 82.50B | *66.75A | ---- | 66.50- | 810 | .407 | ---- | ---- | 3 | UNCH | 109.75B | 66.75A |
| 2780 | ---- | 79.50B | *64.25A | ---- | 63.90- | 800 | .398 | ---- | ---- | 51 | UNCH | 106.50B | 64.25A |
| 2785 | ---- | 76.75B | *61.75A | ---- | 61.40- | 770 | .389 | ---- | ---- | 1 | UNCH | 103.25B | 61.75A |
| 2790 | ---- | 73.75B | *59.25A | ---- | 58.90- | 750 | .380 | ---- | ---- | 2 | UNCH | 100.00B | 59.25A |
| 2800 | ---- | 68.25B | *54.50A | ---- | 54.00+ | NEW | .361 | ---- | 1 | 1 + | 1 | 93.75B | 54.50A |
| 2810 | ---- | 63.00B | *49.75A | ---- | 49.40- | 670 | .342 | ---- | ---- | 6 | UNCH | 87.75B | 49.75A |
| 2815 | 48.25 | 60.25B | *47.50A | ---- | 47.20+ | NEW | .333 | ---- | 1 | 1 + | 1 | 84.75B | 47.50A |
| 2820 | 46.00 | 57.75B | *45.50A | ---- | 45.10- | 630 | .324 | ---- | 1 | 200 | UNCH | 81.75B | 45.50A |
| 2825 | 43.75 | 55.25B | *43.25A | ---- | 43.00+ | NEW | .315 | ---- | 2 | 2 + | 2 | 79.00B | 43.25A |
| 2830 | 50.75 | 53.00B | *41.25A | ---- | 40.90+ | NEW | .305 | ---- | 1 | 1 + | 1 | 76.00B | 41.25A |
| 2835 | 48.50 | 50.50B | *39.25A | ---- | 38.90- | 580 | .296 | ---- | 1 | 2 + | 1 | 67.25B | 39.25A |
| 2840 | 46.25 | 48.25B | *37.25A | ---- | 37.00+ | NEW | .286 | ---- | 1 | 1 + | 1 | 70.50B | 37.25A |
| 2845 | 44.00 | 46.00B | *35.25A | ---- | 35.10+ | NEW | .277 | ---- | 1 | 1 + | 1 | 67.75B | 35.25A |
| 2850 | ---- | 43.75B | *33.50A | ---- | 33.30- | 520 | .268 | ---- | ---- | 3 | UNCH | 65.25B | 33.50A |
| 2855 | ---- | 41.50B | *31.75A | ---- | 31.60- | 490 | .258 | ---- | ---- | 2 | UNCH | 54.50B | 31.75A |
| 2860 | ---- | 39.50B | *30.00A | ---- | 29.90- | 480 | .249 | ---- | ---- | 20 | UNCH | 60.25B | 30.00A |
| 2865 | ---- | 37.50B | *28.50A | ---- | 28.30- | 460 | .240 | ---- | ---- | 20 | UNCH | 49.75B | 28.50A |
| 2870 | ---- | 35.50B | *27.00A | ---- | 26.70- | 440 | .231 | ---- | ---- | 50 | UNCH | 55.50B | 27.00A |
| 2875 | ---- | 33.50B | *25.50A | ---- | 25.20- | 420 | .222 | ---- | ---- | 7 | UNCH | 53.00B | 25.50A |
| 2890 | ---- | 28.25B | *21.25A | ---- | 21.00- | 370 | .196 | ---- | ---- | 200 | UNCH | 46.25B | 21.25A |
| 2895 | ---- | 26.75B | *20.00A | ---- | 19.70- | 350 | .187 | ---- | ---- | 11 | UNCH | 36.75B | 20.00A |
| 2900 | ---- | 25.25B | *18.75A | ---- | 18.50- | 330 | .179 | ---- | 1 | 327 + | 1 | 42.25B | 18.75A |
| 2905 | ---- | 23.50B | *17.75A | ---- | 17.40- | 310 | .171 | ---- | ---- | 1 | UNCH | 33.00B | 17.75A |
| 2910 | ---- | 22.25B | *16.50A | ---- | 16.30- | 290 | .163 | ---- | ---- | 210 | UNCH | 38.25B | 16.50A |
| 2915 | ---- | 20.75B | *15.50A | ---- | 15.30- | 260 | .156 | ---- | ---- | 1 | UNCH | 36.50B | 15.50A |
| 2920 | ---- | 19.50B | *14.75A | ---- | 14.30- | 250 | .148 | ---- | ---- | 331 | UNCH | 34.75B | 14.75A |
| 2925 | ---- | 18.25B | *13.75A | ---- | 13.40- | 230 | .141 | ---- | ---- | 1 | UNCH | 33.00B | 13.75A |
| 2930 | ---- | 17.25B | *12.75A | ---- | 12.50- | 220 | .134 | ---- | ---- | 63 | UNCH | 31.25B | 12.75A |
| 2935 | ---- | 16.00B | *12.00A | ---- | 11.70- | 200 | .128 | ---- | ---- | 98 | UNCH | 23.25B | 12.00A |
| 2940 | ---- | 15.00B | *11.25A | ---- | 10.90- | 190 | .121 | ---- | ---- | 117 | UNCH | 28.00B | 11.25A |
| 2945 | ---- | 14.00B | *10.50A | ---- | 10.10- | 190 | .114 | ---- | ---- | 70 | UNCH | 23.00B | 10.50A |
| 2950 | 11.50 | 13.00B | *9.75A | ---- | 9.40- | 180 | .108 | ---- | 12 | 60 + | 11 | 25.25B | 9.75A |
| 2960 | ---- | 11.25B | *8.50A | ---- | 8.20- | 150 | .097 | ---- | ---- | 117 | UNCH | 22.50B | 8.50A |
| 2965 | ---- | 10.50B | *8.00A | ---- | 7.60- | 150 | .091 | ---- | ---- | 64 | UNCH | 18.25B | 8.00A |
| 2970 | ---- | 9.75B | *7.50A | ---- | 7.10- | 140 | .087 | ---- | ---- | 128 | UNCH | 20.00B | 7.50A |
| 2975 | ---- | 9.25B | *7.00A | ---- | 6.60- | 130 | .082 | ---- | ---- | 64 | UNCH | 19.00B | 7.00A |
| 2980 | ---- | 8.50B | *6.50A | ---- | 6.20- | 120 | .077 | ---- | ---- | 62 | UNCH | 17.75B | 6.50A |
| 2990 | ---- | 7.25B | *5.75A | ---- | 5.40- | 100 | .069 | ---- | ---- | 1 | UNCH | 15.75B | 5.75A |
| 3000 | ---- | 6.25B | *5.00A | ---- | 4.70- | 90 | .062 | ---- | ---- | 329 | UNCH | 14.00B | 5.00A |
| 3010 | ---- | 5.50B | *4.35A | ---- | 4.15- | 75 | .055 | ---- | ---- | 158 | UNCH | 12.50B | 4.35A |
| 3020 | ---- | 4.85B | *3.85A | ---- | 3.65- | 60 | .050 | ---- | ---- | 90 | UNCH | 11.00B | 3.85A |
| 3030 | ---- | 4.25B | *3.40A | ---- | 3.20- | 55 | .044 | ---- | ---- | 80 | UNCH | 9.75B | 3.40A |
| 3050 | ---- | 3.25B | *2.70A | ---- | 2.55- | 35 | .036 | ---- | ---- | 2 | UNCH | 7.75B | 2.70A |
| 3100 | ---- | 1.75B | *1.55A | ---- | 1.45- | 20 | .021 | ---- | ---- | 26 | UNCH | 4.35B | 1.55A |
| 3125 | ---- | 1.35B | *1.20A | ---- | 1.10- | 20 | .016 | ---- | ---- | 25 | UNCH | 3.40B | 1.20A |
| 3175 | 0.95 | .95 | *.80A | ---- | .70+ | NEW | .010 | ---- | 5 | 5 + | 5 | 2.25B | .80A |
| 3190 | 0.85 | .85 | *.70A | ---- | .65+ | NEW | .010 | ---- | 2 | 2 + | 2 | 2.00B | .70A |
| 3200 | ---- | ---- | *.65A | ---- | .60- | 10 | .009 | ---- | ---- | 1 | UNCH | 1.85B | .65A |

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# E-MINI S&P 500 CALL OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
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## FINAL



TOTAL 70 3236 + 68

E-MINI S&P 500 FIXING PRICE (ESF): Sep19 2702.24

ADDITIONAL E-MINI S&P CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW3 MINI S&P C JUL18 | EOW3 MINI S&P C | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | 1702.90- | 23.35 | 1.000 | ---- | ---- | 94 | UNCH | ---- | ---- |
| 2150 | ---- | ---- | ---- | ---- | 555.30- | 23.30 | .989 | ---- | ---- | 1 | UNCH | 590.25B | 470.75A |
| 2300 | ---- | ---- | 412.00A | ---- | 406.50- | 23.00 | .978 | ---- | ---- | 43 | UNCH | 482.25B | 300.75A |
| 2400 | ---- | ---- | 313.75A | ---- | 308.00- | 22.60 | .959 | ---- | ---- | 2 | UNCH | 394.50B | 220.75A |
| 2440 | ---- | ---- | 274.75A | ---- | 269.00- | 22.20 | .947 | ---- | ---- | 125 | UNCH | 358.50B | 189.00A |
| 2450 | ---- | ---- | 265.50A | ---- | 259.30- | 22.20 | .942 | ---- | ---- | 151 | UNCH | 350.00B | 180.75A |
| 2470 | ---- | 262.25B | 246.25A | ---- | 240.00- | 21.90 | .934 | ---- | ---- | 2 | UNCH | 335.25B | 164.75A |
| 2490 | ---- | 249.25B | 227.00A | ---- | 220.90- | 21.60 | .923 | ---- | ---- | 43 | UNCH | 326.50B | 149.00A |
| 2495 | ---- | 246.75B | 222.25A | ---- | 216.10- | 21.60 | .920 | ---- | ---- | 1 | UNCH | 285.50B | 145.00A |
| 2500 | ---- | 249.00B | 212.50A | ---- | 211.30- | 21.50 | .916 | ---- | ---- | 109 | UNCH | 337.25B | 141.25A |
| 2505 | ---- | 243.75B | 207.75A | ---- | 206.50- | 21.50 | .913 | ---- | ---- | 1 | UNCH | 290.25B | 137.50A |
| 2510 | ---- | 239.25B | 203.00A | ---- | 201.80- | 21.40 | .910 | ---- | ---- | 4 | UNCH | 328.50B | 133.75A |
| 2515 | ---- | 234.00B | 198.25A | ---- | 197.00- | 21.30 | .906 | ---- | ---- | 1 | UNCH | 280.25B | 130.00A |
| 2520 | ---- | 229.50B | 193.50A | ---- | 192.30- | 21.20 | .902 | ---- | ---- | 25 | UNCH | 319.50B | 126.25A |
| 2525 | ---- | 224.25B | 188.75A | ---- | 187.60- | 21.10 | .898 | ---- | ---- | 2 | UNCH | 315.00B | 122.50A |
| 2530 | ---- | 219.50B | 184.00A | ---- | 182.90- | 21.10 | .894 | ---- | ---- | 31 | UNCH | 310.75B | 119.00A |
| 2535 | ---- | 214.50B | 179.50A | ---- | 178.30- | 20.90 | .889 | ---- | ---- | 30 | UNCH | 261.50B | 115.25A |
| 2540 | ---- | 210.00B | 174.75A | ---- | 173.60- | 20.80 | .885 | ---- | ---- | 30 | UNCH | 301.75B | 111.75A |
| 2550 | ---- | 200.50B | 165.25A | ---- | 164.40- | 20.50 | .875 | ---- | ---- | 218 | UNCH | 295.50B | 104.75A |
| 2555 | ---- | 196.00B | 160.75A | ---- | 159.80- | 20.40 | .869 | ---- | ---- | 73 | UNCH | 243.50B | 101.25A |
| 2560 | ---- | 191.00B | 156.00A | ---- | 155.20- | 20.20 | .863 | ---- | ---- | 28 | UNCH | 286.75B | 98.00A |
| 2565 | ---- | 186.25B | 151.50A | ---- | 150.60- | 20.10 | .857 | ---- | ---- | 7 | UNCH | 233.75B | 94.50A |
| 2570 | ---- | 181.50B | 146.50A | ---- | 146.10- | 19.90 | .851 | ---- | ---- | 18 | UNCH | 278.25B | 91.25A |
| 2575 | 147.25 | 176.50B | 142.00A | ---- | 141.60- | 19.70 | .844 | ---- | 1 | 105 - | 1 | 273.75B | 88.00A |
| 2580 | 150.25 | 171.75B | 137.50A | ---- | 137.20- | 19.50 | .837 | ---- | 3 | 33 - | 1 | 269.50B | 84.75A |
| 2585 | 140.25 | 167.25B | 133.00A | ---- | 132.70- | 19.30 | .829 | ---- | 2 | 4 + | 1 | 214.50B | 81.75A |
| 2590 | ---- | 162.50B | 128.50A | ---- | 128.30- | 19.00 | .822 | ---- | ---- | 65 | UNCH | 261.00B | 78.50A |
| 2595 | 131.75 | 157.75B | 123.50 | ---- | 123.90- | 18.80 | .814 | ---- | 3 | 106 + | 3 | 204.75B | 75.50A |
| 2600 | 137.50 | 153.25B | 119.75A | ---- | 119.50- | 18.60 | .805 | ---- | 3 | 76 | UNCH | 252.50B | 72.50A |
| 2605 | 125.25 | 148.50B | 115.50A | ---- | 115.20- | 18.40 | .797 | ---- | 2 | 53 + | 1 | 195.25B | 69.50A |
| 2610 | ---- | 144.00B | 111.25A | ---- | 110.90- | 18.10 | .787 | ---- | ---- | 181 | UNCH | 244.00B | 66.50A |
| 2615 | 116.75 | 139.25B | 107.00A | ---- | 106.60- | 17.90 | .778 | ---- | 1 | 89 | UNCH | 185.75B | 63.75A |
| 2620 | 128.00 | 134.50B | 102.75A | ---- | 102.40- | 17.70 | .768 | ---- | 1 | 451 | UNCH | 235.50B | 61.00A |
| 2625 | 124.50 | 130.00B | 98.00 | ---- | 98.20- | 17.50 | .757 | ---- | 2 | 153 + | 1 | 231.25B | 58.00A |
| 2630 | 119.00 | 126.00B | 94.50A | ---- | 94.10- | 17.20 | .746 | ---- | 4 | 365 | UNCH | 227.75B | 55.25A |
| 2635 | 95.50 | 121.75B | 90.25 | ---- | 90.00- | 16.90 | .734 | ---- | 3 | 506 - | 1 | 166.50B | 52.75A |
| 2640 | 112.25 | 117.25B | 86.25A | ---- | 85.90- | 16.70 | .722 | ---- | 3 | 547 - | 1 | 219.25B | 50.25A |
| 2645 | 82.25 | 112.75B | 82.25 | ---- | 82.00- | 16.30 | .709 | ---- | 1 | 148 + | 1 | 157.00B | 47.75A |
| 2650 | 85.50 | 108.25B | 78.25A | ---- | 78.00- | 16.10 | .695 | ---- | 1 | 1477 + | 1 | 211.00B | 45.25A |
| 2655 | 101.75 | 103.75B | 74.50A | ---- | 74.20- | 15.70 | .682 | ---- | 2 | 197 + | 1 | 149.00B | 43.00A |
| 2660 | 95.75 | 99.50B | 70.75A | ---- | 70.40- | 15.30 | .667 | ---- | 1 | 535 | UNCH | 203.00B | 40.75A |
| 2665 | 86.75 | 95.00B | 67.00A | ---- | 66.60- | 15.00 | .651 | ---- | 11 | 520 - | 1 | 141.75B | 38.50A |
| 2670 | ---- | 90.75B | 63.25A | ---- | 63.00- | 14.50 | .636 | ---- | ---- | 442 | UNCH | 194.75B | 36.50A |
| 2675 | 84.50 | 86.50B | 59.50A | ---- | 59.30- | 14.20 | .619 | ---- | 4 | 706 | UNCH | 190.75B | 34.50A |
| 2680 | 78.00 | 82.25B | 56.00A | ---- | 55.80- | 13.70 | .602 | ---- | 1 | 836 | UNCH | 186.75B | 32.50A |
| 2685 | ---- | 78.00B | 52.50A | ---- | 52.30- | 13.30 | .584 | ---- | ---- | 780 | UNCH | 127.50B | 30.50A |
| 2690 | 54.50 | 74.00B | 49.25A | ---- | 48.90- | 12.80 | .566 | ---- | 20 | 845 - | 20 | 178.75B | 28.75A |
| 2695 | 64.25 | 69.75B | 46.00A | ---- | 45.60- | 12.30 | .547 | ---- | 3 | 339 - | 3 | 120.50B | 27.00A |
| 2700 | 50.50 | 65.75B | 42.50A | ---- | 42.30- | 11.90 | .527 | ---- | 133 | 2479 + | 8 | 171.00B | 25.25A |
| 2705 | 42.50 | 61.75B | 39.50A | ---- | 39.10- | 11.50 | .506 | ---- | 18 | 886 + | 2 | 113.75B | 23.75A |
| 2710 | 42.25 | 58.00B | 36.25 | ---- | 36.10- | 10.90 | .485 | ---- | 211 | 2278 + | 30 | 163.25B | 22.25A |
| 2715 | 39.00 | 54.00B | 33.50A | ---- | 33.10- | 10.40 | .463 | ---- | 140 | 479 - | 70 | 107.25B | 20.75A |
| 2720 | 34.25 | 50.25B | 30.50A | ---- | 30.30- | 9.80 | .441 | ---- | 238 | 1505 - | 69 | 155.50B | 19.25A |
| 2725 | 39.00 | 46.75B | 27.75 | ---- | 27.60- | 9.20 | .418 | ---- | 436 | 2575 - | 76 | 151.75B | 18.00A |
| 2730 | 26.00 | 43.00B | 24.75 | ---- | 25.00- | 8.70 | .394 | ---- | 740 | 1830 + | 198 | 148.00B | 16.75A |
| 2735 | 31.75 | 39.50B | 22.75A | ---- | 22.60- | 8.00 | .371 | ---- | 448 | 6170 + | 53 | 94.50B | 15.50A |
| 2740 | 20.50 | 36.25B | 19.75 | ---- | 20.30- | 7.40 | .347 | ---- | 627 | 2436 + | 327 | 140.50B | 14.50A |
| 2745 | 21.00 | 33.00 | 18.25A | ---- | 18.10- | 6.80 | .323 | ---- | 433 | 2423 + | 21 | 88.25B | 13.50A |
| 2750 | 22.50 | 30.00B | 16.00 | ---- | 16.10- | 6.10 | .299 | ---- | 775 | 3254 + | 49 | 133.25B | 12.50A |
| 2755 | 17.25 | 27.00B | 14.25A | ---- | 14.20- | 5.60 | .275 | ---- | 250 | 2800 - | 19 | 82.25B | 11.50A |
| 2760 | 17.50 | 24.00 | 12.50 | ---- | 12.40- | 5.10 | .251 | ---- | 732 | 3506 + | 235 | 126.00B | 10.50 |
| 2765 | 15.25 | 21.50B | 11.00A | ---- | 10.80- | 4.60 | .228 | ---- | 569 | 3321 - | 200 | 76.50B | 10.00A |
| 2770 | 10.00 | 19.00 | 9.50 | ---- | 9.40- | 4.00 | .207 | ---- | 686 | 3156 + | 192 | 119.00B | 9.25A |
| 2775 | 8.00 | 16.75 | *7.75 | ---- | 8.10- | 3.50 | .185 | ---- | 591 | 3501 + | 91 | 115.50B | 7.75 |
| 2780 | 6.75 | 14.25 | *6.75 | ---- | 7.00- | 2.90 | .166 | ---- | 1024 | 3963 + | 431 | 112.00B | 6.75 |
| 2785 | 7.25 | 12.25B | *5.75 | ---- | 6.00- | 2.40 | .147 | ---- | 525 | 2776 + | 67 | 65.25B | 5.75 |
| 2790 | 6.75 | 10.50B | *4.90 | ---- | 5.00- | 2.10 | .128 | ---- | 1318 | 9637 + | 101 | 105.50B | 4.90 |
| 2795 | 5.00 | 8.75B | *4.20A | ---- | 4.20- | 1.80 | .112 | ---- | 476 | 2789 + | 189 | 60.25B | 4.20A |
| 2800 | 3.95 | 7.50 | *3.55 | ---- | 3.45- | 1.55 | .096 | ---- | 3855 | 11345 + | 182 | 98.75B | 3.55 |
| 2805 | 4.40 | 6.25 | *3.00A | ---- | 2.90- | 1.25 | .083 | ---- | 1260 | 3720 + | 308 | 55.25B | 3.00A |
| 2810 | 2.70 | 5.00 | *2.50A | ---- | 2.40- | 1.00 | .071 | ---- | 1960 | 4261 + | 1042 | 92.50B | 2.50A |
| 2815 | 2.20 | 4.20B | *2.10A | ---- | 2.00- | 0.80 | .061 | ---- | 601 | 1824 + | 129 | 50.50B | 2.10A |
| 2820 | 2.60 | 3.50 | *1.75A | ---- | 1.65- | 0.65 | .051 | ---- | 1118 | 2496 - | 70 | 86.25B | 1.75A |
| 2825 | 1.55 | 2.85 | *1.40A | ---- | 1.35- | 0.60 | .043 | ---- | 1240 | 5558 - | 7 | 83.25B | 1.40A |
| 2830 | 1.30 | 2.30B | *1.20A | ---- | 1.15- | 0.45 | .037 | ---- | 784 | 3666 - | 297 | 80.25B | 1.20A |
| 2835 | 1.70 | 1.90B | *1.05A | ---- | .95- | 0.40 | .031 | ---- | 435 | 5989 - | 42 | 41.75B | 1.05A |
| 2840 | 1.40 | 1.55B | *.85 | ---- | .80- | 0.35 | .027 | ---- | 807 | 3180 + | 221 | 74.50B | .85 |
| 2845 | 1.15 | 1.25B | *.75A | ---- | .70- | 0.25 | .023 | ---- | 124 | 1330 + | 100 | 37.75B | .75A |
| 2850 | .80 | 1.05B | *.65 | ---- | .60- | 0.25 | .020 | ---- | 400 | 10176 - | 43 | 69.00B | .65 |
| 2855 | .75 | .90B | *.50 | ---- | .50- | 0.20 | .017 | ---- | 148 | 1047 + | 125 | 34.00B | .50 |
| 2860 | .70 | .75 | *.45 | ---- | .45- | 0.20 | .015 | ---- | 984 | 5348 + | 118 | 63.50B | .45 |
| 2865 | .60 | .65B | *.40A | ---- | .40- | 0.15 | .013 | ---- | 294 | 1498 + | 69 | 30.50B | .40A |
| 2870 | .60 | .60 | *.40A | ---- | .35- | 0.15 | .012 | ---- | 331 | 2918 - | 96 | 58.25B | .40A |
| 2875 | .45 | .50B | *.20 | ---- | .30- | 0.15 | .010 | ---- | 35 | 4825 + | 5 | 55.75B | .20 |
| 2880 | .40 | .40 | *.30 | ---- | .25- | 0.15 | .008 | ---- | 1189 | 2197 + | 718 | 53.50B | .30 |
| 2885 | .30 | .30 | *.25 | ---- | .25- | 0.15 | .008 | ---- | 52 | 722 - | 141 | 23.50B | .25 |
| 2890 | .35 | .35 | *.25 | ---- | .20- | 0.15 | .007 | ---- | 861 | 2245 + | 304 | 48.75B | .25 |
| 2895 | .25 | .25 | *.25 | ---- | .20- | 0.10 | .006 | ---- | 56 | 1429 | UNCH | 18.50B | .25 |
| 2900 | .30 | .30 | *.20 | ---- | .20- | 0.10 | .006 | ---- | 763 | 8592 + | 654 | 44.25B | .20 |
| 2905 | ---- | ---- | *.25A | ---- | .20- | 0.10 | .006 | ---- | 10 | 2578 | UNCH | 16.25B | .25A |
| 2910 | .15 | .15 | *.15 | ---- | .15- | 0.10 | .005 | ---- | 103 | 3035 - | 3 | 40.25B | .15 |
| 2915 | ---- | ---- | *.20A | ---- | .15- | 0.10 | .005 | ---- | ---- | 1132 | UNCH | 14.25B | .20A |
| 2920 | ---- | ---- | *.20A | ---- | .15- | 0.10 | .004 | ---- | 110 | 1584 - | 5 | 36.25B | .20A |
| 2925 | ---- | ---- | ---- | ---- | .15- | 0.05 | .004 | ---- | ---- | 1772 | UNCH | 34.50B | .25A |
| 2930 | .15 | .15 | *.15 | ---- | .15- | 0.05 | .004 | ---- | 505 | 4035 + | 505 | 32.50B | .15 |
| 2935 | ---- | ---- | ---- | ---- | .10- | 0.10 | .003 | ---- | ---- | 659 | UNCH | 7.00B | .20A |
| 2940 | ---- | ---- | .15A | ---- | .10- | 0.10 | .003 | ---- | ---- | 2896 | UNCH | 29.25B | .15 |
| 2945 | ---- | ---- | *.15A | ---- | .10- | 0.10 | .003 | ---- | ---- | 692 | UNCH | 6.25B | .15A |
| 2950 | .15 | .15 | *.10 | ---- | .10- | 0.10 | .003 | ---- | 56 | 1052 - | 12 | 26.00B | .10 |
| 2955 | ---- | ---- | *.15A | ---- | .10- | 0.10 | .003 | ---- | ---- | 994 | UNCH | 5.50B | .15A |
| 2960 | ---- | ---- | ---- | ---- | .05- | 0.10 | .001 | ---- | ---- | 607 | UNCH | 23.25B | .30 |
| 2965 | ---- | ---- | ---- | ---- | .05- | 0.10 | .001 | ---- | ---- | 347 | UNCH | 4.90B | .15A |
| 2970 | ---- | ---- | ---- | ---- | .05- | 0.10 | .001 | ---- | ---- | 474 | UNCH | 20.50B | .15 |
| 2975 | .10 | .10 | *.10 | ---- | .05- | 0.10 | .000 | ---- | 162 | 1244 - | 158 | 19.25B | .10 |
| 2980 | .10 | .10 | *.10 | ---- | .05- | 0.10 | .000 | ---- | 25 | 312 - | 9 | 18.25B | .10 |
| 2985 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 215 | UNCH | 3.90B | .25 |
| 2990 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 278 | UNCH | 16.00B | .15 |
| 2995 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 311 | UNCH | 3.50B | .30A |
| 3000 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 67 | 502 - | 67 | 14.25B | .10 |
| 3005 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 261 | UNCH | 3.15B | .10 |
| 3010 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 496 | UNCH | 12.50B | .10A |
| 3015 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 253 | UNCH | 2.85B | .15 |
| 3020 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 377 | UNCH | 11.00B | .30A |
| 3025 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 216 | UNCH | 10.50B | .30A |
| 3030 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 82 | UNCH | 10.00B | .25A |
| 3040 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 5 | UNCH | 8.50B | .25A |
| 3050 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 161 | UNCH | 8.00B | .20 |
| 3060 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 33 | UNCH | 6.75B | .10A |
| 3070 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 357 | UNCH | 6.00B | .10 |
| 3075 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 1 | 343 - | 1 | 6.00B | .10 |
| 3080 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 22 | UNCH | 5.75B | .15 |
| 3090 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 39 | UNCH | 5.00B | .10 |
| 3100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 44 | UNCH | 4.70B | .10 |
| 3110 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 41 | UNCH | 4.25B | .10 |
| 3120 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | 3.85B | .15 |
| 3125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 67 | 34 - | 67 | 3.70B | .15 |
| 3130 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 76 | UNCH | 3.50B | .15 |
| 3140 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 35 | UNCH | 3.20B | .15 |
| 3150 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 215 | UNCH | 2.90B | .05 |
| 3160 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 309 | UNCH | 2.65B | .05 |
| 3170 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 437 | UNCH | 2.45B | .05A |
| 3175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 122 | UNCH | 2.40B | .10 |
| 3180 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 68 | UNCH | 2.30B | .10 |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# E-MINI S&P 500 CALL OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
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47
Side 15

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3190 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 2.15B | .10 |
| 3200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | 2.00B | .10A |
| 3240 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 160 | UNCH | 1.35B | .45A |
| 3250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | 1.25B | .40A |
| 3320 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 21 | UNCH | .75B | .05 |
| 3350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 87 | UNCH | .60B | .05 |
| 3400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 90 | UNCH | .40B | .05 |
| TOTAL | | | | | | | | | 28845 | 185924 + | 5003 | | |
| AUG18 | EOW3 MINI S&P C | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | 1700.30- | 23.50 | .999 | ---- | ---- | 232 | UNCH | ---- | ---- |
| 2300 | ---- | 433.50B | 412.75A | ---- | 409.90- | 22.30 | .950 | ---- | ---- | 7 | UNCH | 493.75B | 319.25A |
| 2320 | ---- | 414.00B | 393.25A | ---- | 390.70- | 21.90 | .944 | ---- | ---- | 1 | UNCH | 474.00B | 301.50A |
| 2395 | ---- | 351.25B | 321.25A | ---- | 318.80- | 21.30 | .918 | ---- | ---- | 60 | UNCH | 402.00B | 237.00A |
| 2400 | ---- | 351.00B | 315.25A | ---- | 314.10- | 21.20 | .916 | ---- | ---- | 6933 | UNCH | 398.00B | 232.75A |
| 2490 | ---- | 264.50B | 230.75A | ---- | 229.90- | 19.90 | .863 | ---- | ---- | 2 | UNCH | 310.75B | 161.00A |
| 2495 | ---- | 259.75B | 226.25A | ---- | 225.30- | 19.80 | .859 | ---- | ---- | 2 | UNCH | 306.00B | 157.25A |
| 2500 | ---- | 255.00B | 221.75A | ---- | 220.80- | 19.70 | .855 | ---- | ---- | 5 | UNCH | 301.25B | 153.50A |
| 2505 | ---- | 250.25B | 216.50A | ---- | 216.20- | 19.60 | .851 | ---- | ---- | 5 | UNCH | 296.50B | 149.75A |
| 2510 | ---- | 245.50B | 212.00A | ---- | 211.70- | 19.50 | .847 | ---- | ---- | 3 | UNCH | 291.50B | 146.25A |
| 2515 | ---- | 241.00B | 207.50A | ---- | 207.20- | 19.40 | .842 | ---- | ---- | 2 | UNCH | 286.75B | 142.50A |
| 2520 | ---- | 236.50B | 203.00A | ---- | 202.70- | 19.30 | .838 | ---- | ---- | 2 | UNCH | 282.00B | 139.00A |
| 2525 | ---- | 231.50B | 198.50A | ---- | 198.20- | 19.20 | .833 | ---- | ---- | 3 | UNCH | 277.25B | 135.25A |
| 2530 | ---- | 227.25B | 194.00A | ---- | 193.70- | 19.10 | .828 | ---- | ---- | 4 | UNCH | 272.50B | 131.75A |
| 2535 | ---- | 222.25B | 189.50A | ---- | 189.20- | 19.00 | .823 | ---- | ---- | 2 | UNCH | 267.75B | 128.25A |
| 2540 | ---- | 218.00B | 185.25A | ---- | 184.80- | 18.80 | .818 | ---- | ---- | 4 | UNCH | 263.00B | 124.75A |
| 2545 | 202.50 | 213.25B | 180.75A | ---- | 180.40- | 18.70 | .813 | ---- | 1 | 3 + | 1 | 258.25B | 121.25A |
| 2550 | 177.75 | 208.75B | 176.50A | ---- | 176.00- | 18.60 | .807 | ---- | 1 | 5 + | 1 | 253.50B | 117.75A |
| 2555 | ---- | 204.25B | 172.00A | ---- | 171.60- | 18.40 | .802 | ---- | ---- | 5 | UNCH | 248.75B | 114.50A |
| 2560 | 195.50 | 199.50B | 167.75A | ---- | 167.30- | 18.20 | .795 | ---- | 3 | 5 + | 3 | 244.25B | 111.00A |
| 2565 | ---- | 195.75B | 163.25A | ---- | 162.90- | 18.10 | .789 | ---- | ---- | 4 | UNCH | 239.50B | 107.75A |
| 2570 | 186.00 | 191.25B | 159.00A | ---- | 158.60- | 17.90 | .783 | ---- | 1 | 2 + | 1 | 234.75B | 104.50A |
| 2575 | 181.75 | 186.75B | 154.75A | ---- | 154.30- | 17.70 | .777 | ---- | 1 | 2 + | 1 | 230.00B | 101.25A |
| 2580 | 177.25 | 182.25B | 150.50A | ---- | 150.10- | 17.50 | .770 | ---- | 1 | 2 | UNCH | 225.25B | 98.00A |
| 2585 | ---- | 177.75B | 146.25A | ---- | 145.90- | 17.30 | .763 | ---- | ---- | 4 | UNCH | 220.75B | 94.75A |
| 2590 | 168.00 | 173.25B | 142.00A | ---- | 141.60- | 17.20 | .755 | ---- | 1 | 2 | UNCH | 216.00B | 91.75A |
| 2595 | ---- | 168.75B | 137.75A | ---- | 137.50- | 16.90 | .748 | ---- | ---- | 3 | UNCH | 211.25B | 88.50A |
| 2600 | ---- | 164.25B | 133.75A | ---- | 133.30- | 16.80 | .740 | ---- | ---- | 107 | UNCH | 206.75B | 85.50A |
| 2605 | ---- | 159.75B | 129.50A | ---- | 129.20- | 16.50 | .732 | ---- | ---- | 1 | UNCH | 202.00B | 82.50A |
| 2610 | 134.50 | 155.25B | 125.50A | ---- | 125.10- | 16.30 | .724 | ---- | 1 | 7 | UNCH | 197.50B | 79.50A |
| 2615 | 130.50 | 151.00B | 121.50A | ---- | 121.00- | 16.20 | .716 | ---- | 1 | 5 + | 1 | 193.00B | 76.75A |
| 2620 | 126.25 | 146.50B | 117.50A | ---- | 117.00- | 15.90 | .707 | ---- | 1 | 10 | UNCH | 188.75B | 73.75A |
| 2625 | ---- | 142.25B | 113.50A | ---- | 113.00- | 15.70 | .698 | ---- | 1 | 55 + | 1 | 184.00B | 71.00A |
| 2630 | ---- | 137.75B | 109.50A | ---- | 109.10- | 15.50 | .689 | ---- | 1 | 153 | UNCH | 179.50B | 68.00A |
| 2635 | ---- | 133.50B | 105.50A | ---- | 105.20- | 15.20 | .679 | ---- | ---- | 52 | UNCH | 175.00B | 65.25A |
| 2640 | ---- | 129.25B | 101.75A | ---- | 101.30- | 15.00 | .669 | ---- | ---- | 101 | UNCH | 170.50B | 62.75A |
| 2645 | ---- | 125.00B | 98.00A | ---- | 97.50- | 14.70 | .659 | ---- | ---- | 2 | UNCH | 166.00B | 60.25A |
| 2650 | 102.25 | 120.75B | 94.25A | ---- | 93.80- | 14.30 | .648 | ---- | 1 | 301 + | 1 | 161.50B | 57.50A |
| 2655 | 100.00 | 116.50B | 90.50A | ---- | 90.00- | 14.10 | .637 | ---- | 1 | 518 - | 1 | 157.00B | 55.00A |
| 2660 | 109.50 | 112.50B | 86.75A | ---- | 86.30- | 13.80 | .626 | ---- | 1 | 15 + | 1 | 152.75B | 52.50A |
| 2665 | 102.50 | 108.25B | 83.00A | ---- | 82.70- | 13.50 | .615 | ---- | 1 | 98 + | 1 | 148.25B | 50.25A |
| 2670 | 87.00 | 104.25B | 79.50A | ---- | 79.10- | 13.20 | .603 | ---- | 5 | 246 | UNCH | 144.00B | 48.00A |
| 2675 | ---- | 100.25B | 76.00A | ---- | 75.50- | 13.00 | .590 | ---- | 110 | 168 + | 14 | 139.50B | 45.75A |
| 2680 | ---- | 96.25B | 72.50A | ---- | 72.00- | 12.70 | .578 | ---- | ---- | 284 | UNCH | 135.25B | 43.50A |
| 2685 | 89.50 | 92.25B | 69.00A | ---- | 68.60- | 12.40 | .565 | ---- | 1 | 27 + | 1 | 131.00B | 41.50A |
| 2690 | 75.00 | 88.25B | 65.50A | ---- | 65.20- | 12.20 | .552 | ---- | 1 | 63 + | 1 | 126.75B | 39.25A |
| 2695 | 80.50 | 84.50B | 62.25A | ---- | 61.90- | 11.90 | .538 | ---- | 5 | 122 - | 5 | 122.50B | 37.25A |
| 2700 | 76.75 | 80.50B | 58.75 | ---- | 58.60- | 11.60 | .524 | ---- | 225 | 872 + | 85 | 118.25B | 35.50A |
| 2705 | 62.75 | 76.75B | 55.00 | ---- | 55.40- | 11.30 | .509 | ---- | 295 | 368 + | 251 | 114.00B | 33.50A |
| 2710 | 69.50 | 73.00B | 52.50A | ---- | 52.30- | 10.90 | .495 | ---- | 191 | 571 + | 112 | 110.00B | 31.75A |
| 2715 | 57.75 | 69.50B | 49.50A | ---- | 49.30- | 10.50 | .479 | ---- | 149 | 407 + | 39 | 106.00B | 30.00A |
| 2720 | 53.00 | 65.75B | 46.50A | ---- | 46.30- | 10.10 | .464 | ---- | 42 | 636 + | 31 | 102.00B | 28.25A |
| 2725 | 49.25 | 62.25B | 43.50A | ---- | 43.50- | 9.60 | .448 | ---- | 336 | 1348 + | 18 | 98.00B | 26.75A |
| 2730 | 51.50 | 58.75B | 40.75A | ---- | 40.70- | 9.20 | .432 | ---- | 88 | 614 - | 2 | 94.00B | 25.25A |
| 2735 | 43.75 | 55.50B | 38.00A | ---- | 38.00- | 8.70 | .416 | ---- | 6 | 902 - | 5 | 90.00B | 23.75A |
| 2740 | 45.25 | 52.00B | 35.50A | ---- | 35.30- | 8.40 | .399 | ---- | 63 | 211 + | 2 | 86.25B | 22.25A |
| 2745 | 43.25 | 48.75B | 33.00A | ---- | 32.80- | 8.00 | .382 | ---- | 91 | 979 + | 9 | 82.50B | 20.75A |
| 2750 | 33.25 | 45.75B | 30.50A | ---- | 30.30- | 7.70 | .365 | ---- | 563 | 2603 - | 83 | 78.75B | 19.50A |
| 2755 | 30.75 | 42.75B | 28.00A | ---- | 28.00- | 7.20 | .348 | ---- | 240 | 1098 + | 62 | 75.00B | 18.25A |
| 2760 | 34.25 | 39.75B | 25.75A | ---- | 25.70- | 6.90 | .330 | ---- | 584 | 1435 + | 248 | 71.25B | 17.25A |
| 2765 | 27.75 | 36.75B | 23.75A | ---- | 23.50- | 6.50 | .313 | ---- | 329 | 1350 + | 206 | 67.75B | 16.25A |
| 2770 | 25.00 | 34.00B | 21.75A | ---- | 21.50- | 6.00 | .296 | ---- | 69 | 1126 + | 10 | 64.25B | 15.00A |
| 2775 | 25.25 | 31.50B | 19.00 | ---- | 19.50- | 5.70 | .278 | ---- | 301 | 1784 + | 207 | 60.75B | 14.00A |
| 2780 | 23.50 | 28.75B | 17.75 | ---- | 17.70- | 5.30 | .261 | ---- | 489 | 1525 + | 337 | 57.50B | 13.25A |
| 2785 | 21.00 | 26.50 | 16.25A | ---- | 16.00- | 4.90 | .244 | ---- | 245 | 1675 - | 14 | 54.25B | 12.25A |
| 2790 | 19.00 | 24.00B | 14.25 | ---- | 14.50- | 4.40 | .227 | ---- | 243 | 3646 + | 13 | 51.00B | 11.50A |
| 2795 | 18.00 | 21.75B | 13.25A | ---- | 13.00- | 4.10 | .211 | ---- | 147 | 555 - | 74 | 48.00B | 10.75A |
| 2800 | 12.50 | 19.75B | 12.00A | ---- | 11.70- | 3.70 | .196 | ---- | 1036 | 4443 + | 430 | 45.25B | 10.00A |
| 2805 | 14.25 | 17.75B | 10.75A | ---- | 10.50- | 3.30 | .181 | ---- | 304 | 747 - | 117 | 42.25B | 9.25A |
| 2810 | 10.25 | 16.00B | 9.50A | ---- | 9.30- | 3.10 | .166 | ---- | 782 | 851 + | 111 | 39.50B | 8.75A |
| 2815 | 9.00 | 14.25B | 8.50A | ---- | 8.30- | 2.70 | .152 | ---- | 36 | 757 | UNCH | 36.75B | 8.00A |
| 2820 | 8.75 | 12.75B | 7.50A | ---- | 7.30- | 2.50 | .138 | ---- | 160 | 1310 + | 111 | 34.25B | 7.50A |
| 2825 | 9.25 | 11.25B | *6.75 | ---- | 6.50- | 2.20 | .126 | ---- | 465 | 14270 + | 236 | 31.75B | 6.75 |
| 2830 | 6.25 | 10.00B | *6.00 | ---- | 5.70- | 2.00 | .114 | ---- | 878 | 1410 + | 302 | 29.25B | 6.00 |
| 2835 | 7.25 | 8.75 | *5.25A | ---- | 5.10- | 1.70 | .104 | ---- | 67 | 646 - | 2 | 27.00B | 5.25A |
| 2840 | 6.50 | 7.75B | *4.65A | ---- | 4.50- | 1.50 | .094 | ---- | 305 | 913 + | 122 | 24.75B | 4.65A |
| 2845 | 5.50 | 6.75 | *4.10A | ---- | 4.00- | 1.30 | .086 | ---- | 478 | 1169 + | 56 | 22.75B | 4.10A |
| 2850 | 4.75 | 6.00 | *3.65A | ---- | 3.55- | 1.10 | .077 | ---- | 235 | 3079 + | 18 | 21.00B | 3.65A |
| 2855 | 5.00 | 5.25 | *3.15 | ---- | 3.15- | 0.95 | .070 | ---- | 584 | 974 + | 195 | 19.00 | 3.15 |
| 2860 | 3.90 | 4.70B | *2.85A | ---- | 2.80- | 0.85 | .063 | ---- | 49 | 974 - | 6 | 17.50B | 2.85A |
| 2865 | 4.20 | 4.20 | *2.55A | ---- | 2.50- | 0.70 | .057 | ---- | 81 | 1243 + | 2 | 15.75B | 2.55A |
| 2870 | 3.00 | 3.65B | *2.25A | ---- | 2.20- | 0.65 | .051 | ---- | 127 | 1437 + | 10 | 14.25B | 2.25A |
| 2875 | 2.60 | 3.25 | *2.00A | ---- | 1.95- | 0.60 | .046 | ---- | 397 | 7667 + | 19 | 13.00B | 2.00A |
| 2880 | 2.50 | 2.90 | *1.75A | ---- | 1.75- | 0.50 | .042 | ---- | 371 | 1470 + | 242 | 11.75 | 1.75A |
| 2885 | 1.85 | 2.50B | *1.60A | ---- | 1.55- | 0.45 | .038 | ---- | 27 | 1698 | UNCH | 10.50 | 1.60A |
| 2890 | 2.10 | 2.20B | *1.45A | ---- | 1.35- | 0.45 | .033 | ---- | 133 | 1024 + | 119 | 9.50 | 1.45A |
| 2895 | 2.00 | 2.00 | *1.25A | ---- | 1.20- | 0.45 | .030 | ---- | 4 | 966 + | 1 | 8.50B | 1.25A |
| 2900 | 1.75 | 1.80B | *1.15A | ---- | 1.10- | 0.35 | .028 | ---- | 609 | 2471 + | 459 | 7.75B | 1.15A |
| 2905 | 1.60 | 1.60 | *1.05A | ---- | .95- | 0.40 | .024 | ---- | 15 | 278 | UNCH | 7.25B | 1.05A |
| 2910 | 1.50 | 1.50 | *.90A | ---- | .85- | 0.35 | .022 | ---- | 410 | 1320 + | 368 | 6.75B | .90A |
| 2915 | 1.25 | 1.30B | *.85A | ---- | .75- | 0.35 | .019 | ---- | 123 | 2448 | UNCH | 6.25B | .85A |
| 2920 | 1.20 | 1.20 | *.75 | ---- | .70- | 0.30 | .018 | ---- | 120 | 642 + | 103 | 5.75B | .75 |
| 2925 | 1.00 | 1.05B | *.70A | ---- | .65- | 0.25 | .017 | ---- | 17 | 868 | UNCH | 5.25B | .70A |
| 2930 | .95 | .95 | *.65A | ---- | .55- | 0.30 | .014 | ---- | 40 | 320 - | 18 | 4.85B | .65A |
| 2935 | .85 | .90B | *.60A | ---- | .50- | 0.30 | .013 | ---- | 25 | 416 + | 5 | 4.45B | .60A |
| 2940 | .65 | .80B | *.55A | ---- | .50- | 0.20 | .013 | ---- | 12 | 870 | UNCH | 4.10B | .55A |
| 2945 | .70 | .75B | *.50 | ---- | .45- | 0.20 | .012 | ---- | 180 | 3220 | UNCH | 3.80B | .50 |
| 2950 | .75 | .75 | *.40 | ---- | .40- | 0.20 | .010 | ---- | 218 | 676 + | 6 | 3.50B | .40 |
| 2955 | ---- | .65B | *.45A | ---- | .40- | 0.15 | .010 | ---- | ---- | 222 | UNCH | 3.25B | .45A |
| 2960 | ---- | .60B | *.40A | ---- | .35- | 0.20 | .009 | ---- | ---- | 325 | UNCH | 3.05B | .40A |
| 2965 | ---- | .55B | *.40A | ---- | .35- | 0.15 | .009 | ---- | ---- | 272 | UNCH | 2.80B | .40A |
| 2970 | ---- | .50B | *.35A | ---- | .30- | 0.15 | .008 | ---- | ---- | 250 | UNCH | 2.60B | .35A |
| 2975 | .50 | .50 | *.35A | ---- | .30- | 0.15 | .007 | ---- | 1 | 396 + | 1 | 2.45B | .35A |
| 2980 | ---- | .45B | *.35A | ---- | .30- | 0.10 | .007 | ---- | ---- | 363 | UNCH | 2.30B | .35A |
| 2985 | ---- | ---- | *.30A | ---- | .25- | 0.15 | .006 | ---- | ---- | 449 | UNCH | 2.15B | .30A |
| 2990 | ---- | ---- | *.30A | ---- | .25- | 0.15 | .006 | ---- | ---- | 246 | UNCH | 2.05B | .30A |
| 2995 | ---- | ---- | *.30A | ---- | .25- | 0.10 | .006 | ---- | ---- | 238 | UNCH | 1.85B | .30A |
| 3000 | ---- | ---- | *.30A | ---- | .25- | 0.10 | .006 | ---- | ---- | 1463 | UNCH | 1.75B | .30A |
| 3005 | ---- | ---- | ---- | ---- | .20- | 0.10 | .005 | ---- | ---- | 138 | UNCH | 1.65B | .40A |
| 3010 | ---- | ---- | *.25A | ---- | .20- | 0.10 | .005 | ---- | ---- | 71 | UNCH | 1.55B | .25A |
| 3015 | ---- | ---- | *.25A | ---- | .20- | 0.10 | .005 | ---- | 1 | 52 + | 1 | 1.45B | .25A |
| 3020 | ---- | ---- | *.25A | ---- | .20- | 0.10 | .005 | ---- | ---- | 217 | UNCH | 1.40B | .25A |
| 3025 | ---- | ---- | ---- | ---- | .20- | 0.05 | .005 | ---- | ---- | 152 | UNCH | 1.30B | .35A |
| 3030 | ---- | ---- | ---- | ---- | .15- | 0.10 | .003 | ---- | ---- | 8 | UNCH | 1.25B | .30A |
| 3035 | ---- | ---- | ---- | ---- | .15- | 0.10 | .003 | ---- | ---- | 194 | UNCH | 1.15B | .30A |
| 3040 | ---- | ---- | ---- | ---- | .15- | 0.10 | .003 | ---- | ---- | 173 | UNCH | 1.10B | .30A |
| 3045 | ---- | ---- | ---- | ---- | .15- | 0.10 | .003 | ---- | ---- | 10 | UNCH | .85 | .30A |
| 3050 | ---- | ---- | *.20A | ---- | .15- | 0.10 | .003 | ---- | ---- | 14 | UNCH | 1.10 | .20A |
| 3055 | .20 | .20 | *.20 | ---- | .15- | 0.05 | .003 | ---- | 100 | 100 + | 71 | .80B | .20 |
| 3060 | ---- | ---- | ---- | ---- | .10- | 0.10 | .002 | ---- | ---- | 110 | UNCH | .90B | .25A |
| 3070 | .20 | .20 | *.20 | ---- | .10- | 0.10 | .002 | ---- | 100 | 144 + | 100 | .85B | .20 |
| 3075 | ---- | ---- | ---- | ---- | .10- | 0.10 | .002 | ---- | ---- | 308 | UNCH | .80B | .25 |
| 3080 | ---- | ---- | ---- | ---- | .10- | 0.10 | .002 | ---- | ---- | 414 | UNCH | .75B | .20A |
| 3090 | ---- | ---- | ---- | ---- | .10- | 0.05 | .002 | ---- | ---- | 19 | UNCH | .70B | .20A |
| 3100 | ---- | ---- | ---- | ---- | .05- | 0.10 | .001 | ---- | 9 | 565 - | 6 | .65B | .20A |
| 3120 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 5 | UNCH | .55B | .25A |
| 3125 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 100 | UNCH | .55B | .15A |
| 3140 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 75 | UNCH | .50B | .20A |
| 3150 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 50 | UNCH | .45B | .30 |
| 3160 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 1 | UNCH | .40B | .25A |
| 3175 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 100 | UNCH | .40B | .25A |
| 3200 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 168 | UNCH | .25 | .25A |
| 3240 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 100 | UNCH | .25 | .20A |
| TOTAL | | | | | | | | | 13335 | 101433 + | 4413 | | |

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# E-MINI S&P 500 CALL OPTIONS

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT18 | EOW3 MINI S&P C | | | | | | | | | | | | |
| 2480 | ---- | 294.25B | 262.50A | ---- | 262.30- | 17.80 | .801 | ---- | ---- | 60 | UNCH | 336.00B | 246.50A |
| 2500 | ---- | 276.50B | 245.50A | ---- | 245.30- | 17.40 | .784 | ---- | ---- | 2 | UNCH | 318.25B | 229.75A |
| 2600 | ---- | 191.25B | 164.75A | ---- | 164.40- | 14.40 | .681 | ---- | ---- | 1 | UNCH | 229.50B | 151.50A |
| 2700 | ---- | 114.25B | 93.50A | ---- | 93.10- | 11.20 | .530 | ---- | ---- | 1 | UNCH | 147.50B | 83.75A |
| 2705 | ---- | 110.50B | *90.25A | ---- | 89.90- | 11.00 | .521 | ---- | ---- | 31 | UNCH | 132.25B | 90.25A |
| 2710 | ---- | 107.00B | 87.00A | ---- | 86.70- | 10.80 | .512 | ---- | 150 | 163 + | 150 | 139.75B | 77.75A |
| 2715 | 88.00 | 103.50B | 83.75A | ---- | 83.60- | 10.60 | .503 | ---- | 20 | 96 + | 20 | 136.00B | 74.75A |
| 2720 | ---- | 100.25B | 80.75A | ---- | 80.50- | 10.40 | .493 | ---- | ---- | 10 | UNCH | 132.00B | 72.00A |
| 2725 | ---- | 96.75B | 77.75A | ---- | 77.50- | 10.10 | .484 | ---- | ---- | 574 | UNCH | 128.50B | 69.25A |
| 2730 | ---- | 93.50B | 74.75A | ---- | 74.50- | 9.90 | .474 | ---- | ---- | 24 | UNCH | 124.75B | 66.50A |
| 2735 | 76.50 | 90.00B | 71.75A | ---- | 71.60- | 9.60 | .464 | ---- | 20 | 70 | UNCH | 121.00B | 63.75A |
| 2740 | ---- | 86.75B | 69.00A | ---- | 68.70- | 9.40 | .454 | ---- | ---- | 174 | UNCH | 117.25B | 61.00A |
| 2745 | 82.00 | 83.50B | 66.00A | ---- | 65.80- | 9.20 | .444 | ---- | 2 | 35 + | 2 | 113.75B | 58.50A |
| 2750 | 66.25 | 80.25B | 63.25A | ---- | 63.00- | 8.90 | .433 | ---- | 285 | 304 + | 285 | 110.25B | 56.00A |
| 2755 | 67.00 | 77.25B | *60.25 | ---- | 60.30- | 8.60 | .423 | ---- | 22 | 69 + | 22 | 96.00B | 60.25 |
| 2760 | ---- | 74.25B | 58.00A | ---- | 57.60- | 8.30 | .412 | ---- | ---- | 38 | UNCH | 103.25B | 51.00A |
| 2765 | ---- | 71.25B | *55.25A | ---- | 54.90- | 8.20 | .402 | ---- | ---- | 105 | UNCH | 89.25B | 55.25A |
| 2770 | 59.00 | 68.25B | 52.75A | ---- | 52.30- | 7.90 | .391 | ---- | 20 | 329 | UNCH | 96.25B | 46.25A |
| 2775 | 61.25 | 65.25B | 50.25A | ---- | 49.80- | 7.70 | .380 | ---- | 75 | 378 + | 75 | 93.00B | 44.00A |
| 2780 | 55.25 | 62.50B | 47.50 | ---- | 47.40- | 7.30 | .369 | ---- | 22 | 396 + | 2 | 89.50B | 41.75A |
| 2785 | ---- | 59.50B | 45.50A | ---- | 45.00- | 7.10 | .358 | ---- | ---- | 211 | UNCH | 86.25B | 39.75A |
| 2790 | 55.50 | 56.75B | 43.00A | ---- | 42.70- | 6.80 | .347 | ---- | 82 | 249 + | 81 | 83.25B | 37.75A |
| 2795 | 53.00 | 54.00B | 40.75A | ---- | 40.40- | 6.60 | .336 | ---- | 44 | 184 | UNCH | 80.00B | 35.75A |
| 2800 | 39.50 | 51.50B | 38.50A | ---- | 38.30- | 6.30 | .325 | ---- | 1 | 439 + | 1 | 77.00B | 33.75A |
| 2805 | ---- | 48.75B | *36.50A | ---- | 36.20- | 6.00 | .314 | ---- | ---- | 111 | UNCH | 67.00B | 36.50A |
| 2810 | 41.25 | 46.25B | 34.50A | ---- | 34.10- | 5.80 | .302 | ---- | 21 | 106 + | 21 | 71.00B | 30.00A |
| 2815 | 39.25 | 43.75B | 32.50A | ---- | 32.20- | 5.50 | .291 | ---- | 64 | 152 + | 38 | 68.00B | 28.25A |
| 2820 | 36.75 | 41.50B | 30.50A | ---- | 30.30- | 5.30 | .280 | ---- | 175 | 206 + | 64 | 65.25B | 26.75A |
| 2825 | 37.00 | 39.25B | 28.75A | ---- | 28.50- | 5.00 | .269 | ---- | 20 | 270 + | 20 | 62.25B | 25.00A |
| 2830 | ---- | 37.00B | 27.00A | ---- | 26.70- | 4.80 | .258 | ---- | ---- | 501 | UNCH | 59.50B | 23.50A |
| 2835 | 34.00 | 34.75B | *25.25A | ---- | 25.00- | 4.60 | .247 | ---- | 167 | 182 + | 147 | 50.50B | 25.25A |
| 2840 | 28.25 | 32.75B | 23.75A | ---- | 23.40- | 4.40 | .236 | ---- | 41 | 91 + | 41 | 54.25B | 20.75A |
| 2845 | 25.25 | 30.75B | 22.00A | ---- | 21.80- | 4.20 | .225 | ---- | 1 | 31 + | 1 | 51.75B | 19.50A |
| 2850 | 23.50 | 28.75B | 20.50A | ---- | 20.30- | 4.00 | .215 | ---- | 141 | 495 + | 141 | 49.25B | 18.25A |
| 2855 | 26.25 | 26.75B | *19.25A | ---- | 18.90- | 3.80 | .204 | ---- | 40 | 123 + | 40 | 41.00B | 19.25A |
| 2860 | 24.50 | 25.00B | 17.75A | ---- | 17.60- | 3.60 | .194 | ---- | 40 | 264 + | 40 | 44.50B | 16.00A |
| 2865 | ---- | 23.50B | *16.50A | ---- | 16.30- | 3.40 | .184 | ---- | ---- | 142 | UNCH | 36.75B | 16.50A |
| 2870 | 16.00 | 21.75B | 15.50 | ---- | 15.10- | 3.20 | .174 | ---- | 295 | 385 + | 224 | 40.00B | 14.00A |
| 2875 | 15.50 | 20.25B | 14.25A | ---- | 14.00- | 3.00 | .165 | ---- | 23 | 111 | UNCH | 37.75B | 13.00A |
| 2880 | 14.00 | 18.75B | 13.25A | ---- | 13.00- | 2.80 | .156 | ---- | 21 | 96 | UNCH | 35.75B | 12.25A |
| 2885 | ---- | 17.25B | *12.25A | ---- | 12.00- | 2.60 | .147 | ---- | ---- | 300 | UNCH | 26.00B | 12.25A |
| 2890 | ---- | 16.00B | 11.25A | ---- | 11.10- | 2.40 | .139 | ---- | ---- | 103 | UNCH | 31.75B | 10.50A |
| 2895 | 12.75 | 14.75B | *10.50A | ---- | 10.30- | 2.20 | .131 | ---- | 12 | 21 | UNCH | 22.50B | 10.50A |
| 2900 | 13.75 | 13.75 | 9.75A | ---- | 9.50- | 2.00 | .123 | ---- | 65 | 1054 + | 15 | 28.25B | 9.25A |
| 2905 | 12.00 | 12.50B | *9.00A | ---- | 8.80- | 1.70 | .116 | ---- | 22 | 47 + | 18 | 19.75B | 9.00A |
| 2910 | ---- | 11.50B | 8.25A | ---- | 8.10- | 1.60 | .109 | ---- | ---- | 72 | UNCH | 25.00B | 8.00A |
| 2915 | ---- | 10.75B | 7.50A | ---- | 7.50- | 1.40 | .102 | ---- | ---- | 101 | UNCH | 23.50B | 7.50A |
| 2920 | 9.75 | 9.75 | 7.00A | ---- | 6.90- | 1.30 | .096 | ---- | 22 | 101 + | 21 | 22.00B | 7.00A |
| 2925 | ---- | 9.00B | 6.50A | ---- | 6.30- | 1.20 | .089 | ---- | 200 | 347 + | 199 | 20.50B | 6.50A |
| 2930 | ---- | 8.25B | *6.00A | ---- | 5.80- | 1.10 | .084 | ---- | ---- | 187 | UNCH | 19.25B | 6.00A |
| 2935 | ---- | 7.50B | *5.50A | ---- | 5.30- | 1.00 | .078 | ---- | ---- | 55 | UNCH | 12.25B | 5.50A |
| 2940 | ---- | 7.00B | *5.00A | ---- | 4.85- | 0.95 | .072 | ---- | ---- | 382 | UNCH | 16.75B | 5.00A |
| 2950 | ---- | 5.75B | *4.30A | ---- | 4.20- | 0.75 | .064 | ---- | ---- | 190 | UNCH | 14.75B | 4.30A |
| 2955 | ---- | 5.25B | *3.95A | ---- | 3.95- | 0.60 | .060 | ---- | ---- | 2 | UNCH | 9.00B | 3.95A |
| 2960 | ---- | 5.00B | *3.70A | ---- | 3.70- | 0.50 | .057 | ---- | ---- | 134 | UNCH | 12.75B | 3.70A |
| 2970 | ---- | 4.25B | *3.15A | ---- | 3.10- | 0.45 | .049 | ---- | ---- | 240 | UNCH | 11.00B | 3.15A |
| 2975 | ---- | 3.90B | *2.95A | ---- | 2.85- | 0.45 | .046 | ---- | ---- | 112 | UNCH | 10.25B | 2.95A |
| 2980 | ---- | 3.60B | *2.75A | ---- | 2.65- | 0.40 | .043 | ---- | ---- | 10 | UNCH | 9.50B | 2.75A |
| 3000 | ---- | 2.60B | *2.10A | ---- | 2.05- | 0.20 | .034 | ---- | 100 | 113 + | 86 | 7.25B | 2.10A |
| 3005 | ---- | 2.40B | *1.95A | ---- | 1.90- | 0.20 | .032 | ---- | ---- | 500 | UNCH | 4.90 | 1.95A |
| 3015 | ---- | 2.10B | *1.70A | ---- | 1.65- | 0.20 | .028 | ---- | ---- | 3 | UNCH | 3.75B | 1.70A |
| 3020 | ---- | 1.95B | *1.60A | ---- | 1.50- | 0.20 | .026 | ---- | ---- | 202 | UNCH | 5.50B | 1.60A |
| 3025 | ---- | 1.85B | *1.50A | ---- | 1.40- | 0.20 | .024 | ---- | ---- | 218 | UNCH | 5.25 | 1.50A |
| 3030 | ---- | 1.70B | *1.40A | ---- | 1.30- | 0.20 | .022 | ---- | ---- | 219 | UNCH | 4.95B | 1.40A |
| 3040 | ---- | 1.50B | *1.25A | ---- | 1.15- | 0.15 | .020 | ---- | ---- | 200 | UNCH | 4.35B | 1.25A |
| 3050 | ---- | 1.30B | *1.10A | ---- | 1.00- | 0.15 | .018 | ---- | ---- | 203 | UNCH | 3.90B | 1.10A |
| 3060 | ---- | 1.15B | *1.00A | ---- | .90- | 0.15 | .016 | ---- | ---- | 310 | UNCH | 3.55B | 1.00A |
| 3070 | ---- | 1.00B | *.90A | ---- | .80- | 0.15 | .014 | ---- | ---- | 200 | UNCH | 3.20B | .90A |
| 3075 | ---- | .95B | *.85A | ---- | .75- | 0.15 | .013 | ---- | ---- | 200 | UNCH | 3.00B | .85A |
| 3080 | ---- | .90B | *.80A | ---- | .75- | 0.10 | .013 | ---- | ---- | 200 | UNCH | 2.80B | .80A |
| 3090 | ---- | .80B | ---- | ---- | .65- | 0.10 | .011 | ---- | ---- | 235 | UNCH | 2.55B | .85A |
| 3100 | ---- | ---- | ---- | ---- | .60- | 0.10 | .010 | ---- | ---- | 240 | UNCH | 2.30B | .75A |
| 3110 | ---- | .65B | ---- | ---- | .55- | 0.05 | .010 | ---- | ---- | 200 | UNCH | 2.10B | .70A |
| 3120 | ---- | .60B | ---- | ---- | .50- | 0.05 | .009 | ---- | ---- | 200 | UNCH | 1.95B | .65A |
| 3125 | ---- | .55B | ---- | ---- | .45- | 0.05 | .008 | ---- | ---- | 200 | UNCH | 1.85B | .60A |
| 3130 | ---- | ---- | ---- | ---- | .45- | 0.05 | .008 | ---- | ---- | 200 | UNCH | 1.75B | .60A |
| 3150 | ---- | ---- | ---- | ---- | .35- | 0.05 | .006 | ---- | ---- | 2 | UNCH | 1.50B | .65A |
| 3200 | ---- | ---- | ---- | ---- | .25- | 0.05 | .004 | ---- | ---- | 40 | UNCH | .95B | .50A |
| TOTAL | | | | | | | | | 2213 | 14552 + | 1754 | | |
| MDW MID | | | | | | | | | | | | | |
| JUN18 | MDW MID | | | | | | | | | | | | |
| 2665 | 47.50 | 48.25 | *43.75A | ---- | 37.20 | NEW | 1.000 | 20 | 40 | ---- | UNCH | 109.25B | 43.75A |
| 2685 | 34.25 | 49.00B | *20.50 | ---- | 17.20- | 27.00 | 1.000 | 9 | 42 | ---- | 9 | 93.00B | 20.50 |
| 2690 | 23.00 | 47.50B | *21.25A | ---- | 12.20- | 27.20 | 1.000 | 23 | 36 | ---- | 5 | 89.00B | 21.25A |
| 2695 | 13.75 | 43.25B | *13.75 | ---- | 7.20- | 27.50 | 1.000 | 2 | 2 | ---- | 3 | 85.25B | 13.75 |
| 2700 | 13.25 | 40.25B | *2.50 | ---- | 2.20- | 27.90 | 1.000 | 81 | 110 | ---- | 44 | 83.50B | 2.50 |
| 2705 | 17.25 | 37.75B | *.05A | ---- | CAB | ---- | ---- | ---- | 253 | ---- | 83 | 79.75B | .05A |
| 2710 | 9.75 | 32.75B | *.05A | ---- | CAB | ---- | ---- | ---- | 1058 | ---- | 301 | 75.50B | .05A |
| 2715 | 11.00 | 29.75 | *.05 | ---- | CAB | ---- | ---- | ---- | 2580 | ---- | 393 | 70.50B | .05 |
| 2720 | 13.50 | 27.25B | *.05 | ---- | CAB | ---- | ---- | ---- | 2169 | ---- | 894 | 65.50B | .05 |
| 2725 | 9.75 | 22.75B | *.10 | ---- | CAB | ---- | ---- | ---- | 3204 | ---- | 942 | 61.00B | .10 |
| 2730 | 6.50 | 18.00 | *.05 | ---- | CAB | ---- | ---- | ---- | 3527 | ---- | 917 | 56.25B | .05 |
| 2735 | 4.00 | 14.00B | *.05 | ---- | CAB | ---- | ---- | ---- | 3525 | ---- | 637 | 51.25B | .05 |
| 2740 | 2.45 | 10.00 | *.05 | ---- | CAB | ---- | ---- | ---- | 5246 | ---- | 1595 | 51.75 | .05 |
| 2745 | 1.10 | 6.25 | *.05 | ---- | CAB | ---- | ---- | ---- | 5001 | ---- | 709 | 42.75B | .05 |
| 2750 | .75 | 3.50B | *.05 | ---- | CAB | ---- | ---- | ---- | 3585 | ---- | 1261 | 37.75B | .05 |
| 2755 | .35 | 1.80 | *.05 | ---- | CAB | ---- | ---- | ---- | 4078 | ---- | 1552 | 33.75B | .05 |
| 2760 | .15 | .80 | *.05 | ---- | CAB | ---- | ---- | ---- | 3312 | ---- | 990 | 30.25 | .05 |
| 2765 | .10 | .35 | *.05 | ---- | CAB | ---- | ---- | ---- | 1044 | ---- | 785 | 25.75B | .05 |
| 2770 | .10 | .15 | .05 | ---- | CAB | ---- | ---- | ---- | 1233 | ---- | 672 | 21.75B | .05 |
| 2775 | .10 | .10 | .05A | ---- | CAB | ---- | ---- | ---- | 66 | ---- | 1986 | 25.00B | .05 |
| 2785 | .05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 398 | ---- | 1481 | 18.50 | .05 |
| 2795 | .05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 200 | ---- | 1886 | 12.25B | .05 |
| 2800 | .05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 991 | 10.25B | .05 |
| 2805 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | 287 | ---- | 600 | 9.75 | .05 |
| 2810 | .05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 279 | 6.50B | .05A |
| 2820 | .05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 447 | 5.25 | .05A |
| TOTAL | | | | | | | | | 41002 | 0 - | 8623 | | |
| JUL18 | MDW MID | | | | | | | | | | | | |
| 2700 | ---- | 51.75B | *24.00A | ---- | 24.00- | 14.20 | .542 | ---- | ---- | 1 | UNCH | 72.25B | 24.00A |
| 2705 | 25.00 | 47.25B | *21.00A | ---- | 20.90- | 13.40 | .502 | ---- | 17 | 9 + | 1 | 68.00B | 21.00A |
| 2710 | 23.50 | 43.00B | *18.25A | ---- | 18.00- | 12.60 | .460 | ---- | 116 | 85 + | 47 | 63.25B | 18.25A |
| 2715 | 22.75 | 38.75B | *15.50A | ---- | 15.30- | 11.70 | .416 | ---- | 111 | 203 - | 13 | 58.75B | 15.50A |
| 2720 | 19.00 | 34.50B | *13.00A | ---- | 12.90- | 10.60 | .372 | ---- | 32 | 100 - | 1 | 54.50B | 13.00A |
| 2725 | 16.75 | 30.50B | *10.75A | ---- | 10.70- | 9.40 | .327 | ---- | 92 | 87 + | 76 | 50.00B | 10.75A |
| 2730 | 20.50 | 26.50B | *8.75A | ---- | 8.80- | 8.20 | .284 | ---- | 116 | 127 + | 48 | 45.75B | 8.75A |
| 2735 | 12.25 | 23.00B | *7.00A | ---- | 7.00- | 7.10 | .240 | ---- | 95 | 82 - | 19 | 41.75B | 7.00A |
| 2740 | 6.25 | 19.50B | *5.50A | ---- | 5.40- | 6.10 | .198 | ---- | 260 | 1067 + | 65 | 37.50B | 5.50A |
| 2745 | 4.80 | 16.25B | *4.15A | ---- | 4.10- | 5.10 | .159 | ---- | 148 | 832 + | 12 | 33.75B | 4.15A |
| 2750 | 3.65 | 13.25B | *3.10A | ---- | 3.05- | 4.15 | .124 | ---- | 550 | 517 + | 403 | 29.75B | 3.10A |
| 2755 | 8.25 | 10.50B | *2.30A | ---- | 2.20- | 3.30 | .094 | ---- | 156 | 561 + | 85 | 26.25B | 2.30A |
| 2760 | 4.40 | 8.00B | *1.70A | ---- | 1.55- | 2.50 | .069 | ---- | 196 | 243 + | 5 | 22.75B | 1.70A |
| 2765 | 2.50 | 6.00B | *1.20A | ---- | 1.10- | 1.85 | .050 | ---- | 560 | 457 + | 221 | 19.50 | 1.20A |
| 2770 | 1.75 | 4.45B | *.80 | ---- | .75- | 1.35 | .035 | ---- | 684 | 614 + | 162 | 16.50B | .80 |
| 2775 | .95 | 3.10B | *.60A | ---- | .50- | 0.95 | .024 | ---- | 323 | 328 + | 51 | 13.50B | .60A |
| 2780 | 1.85 | 2.15B | *.40 | ---- | .35- | 0.65 | .016 | ---- | 390 | 697 + | 173 | 11.00B | .40 |
| 2785 | .40 | 1.45B | *.25 | ---- | .25- | 0.45 | .011 | ---- | 114 | 78 + | 38 | 8.75B | .25 |
| 2790 | .95 | .95 | *.25A | ---- | .15- | 0.35 | .007 | ---- | 10 | 65 + | 10 | 7.00B | .25A |
| 2795 | ---- | .60B | *.20A | ---- | .10- | 0.30 | .004 | ---- | ---- | 116 | UNCH | 5.25B | .20A |
| 2800 | .30 | .40 | *.15A | ---- | .05- | 0.25 | .002 | ---- | 27 | 424 - | 1 | 4.15B | .15A |
| 2805 | .30 | .30 | *.05 | ---- | .05- | 0.15 | .001 | ---- | 18 | 74 - | 1 | 3.15B | .05 |
| 2810 | .20 | .20 | *.15A | ---- | .05- | 0.10 | .000 | ---- | 10 | 71 + | 10 | 2.85 | .15A |
| 2815 | .10 | .15B | *.10 | ---- | CAB | ---- | .000 | ---- | 25 | 25 + | 25 | 1.75B | .10 |
| 2825 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 106 | UNCH | 1.05B | .15A |
| 2890 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | .10 | .10 |
| TOTAL | | | | | | | | | 4050 | 6972 + | 1397 | | |
| MMW MID | | | | | | | | | | | | | |
| JUL18 | MMW MID | | | | | | | | | | | | |
| 2660 | ---- | 87.75B | *52.00A | ---- | 51.80- | 20.00 | .809 | ---- | ---- | 1 | UNCH | 123.25B | 52.00A |
| 2665 | ---- | 82.75B | *48.00A | ---- | 47.70- | 19.50 | .785 | ---- | ---- | 1 | UNCH | 119.00B | 48.00A |
| 2675 | 47.75 | 73.00B | *40.00A | ---- | 39.70 | NEW | .731 | ---- | 1 | 1 + | 1 | 110.75B | 40.00A |
| 2700 | 32.00 | 50.50B | *22.00A | ---- | 22.00- | 15.00 | .547 | ---- | 8 | 8 + | 7 | 86.75B | 22.00A |

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# E-MINI S&P 500 CALL OPTIONS



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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2705 | 19.50 | 46.25B | *19.00A | ---- | | 19.00- | 14.10 | .502 | ---- | 51 | 52 + | 51 | 82.00B | 19.00A |
| 2710 | 30.00 | #48.00B | *25.25A | ---- | | 25.10 | NEW | .474 | ---- | 21 | 21 + | 21 | 48.00B | 25.25A |
| 2710 | 19.25 | 42.00B | *16.25A | ---- | | 16.20- | 13.10 | .455 | ---- | 201 | 207 + | 118 | 77.25B | 16.25A |
| 2715 | 29.00 | #44.00B | *22.50A | ---- | | 22.40 | NEW | .443 | ---- | 1 | 1 + | 1 | 44.00B | 22.50A |
| 2715 | 16.75 | 37.75B | *13.75A | ---- | | 13.50- | 12.20 | .406 | ---- | 219 | 162 + | 150 | 72.50B | 13.75A |
| 2720 | ---- | #40.00B | *19.75A | ---- | | 19.70- | 9.50 | .411 | ---- | ---- | 6 | UNCH | 40.00B | 19.75A |
| 2720 | 14.25 | 33.50B | *11.25 | ---- | | 11.20- | 11.00 | .357 | ---- | 238 | 325 + | 214 | 68.00B | 11.25 |
| 2725 | 23.50 | #36.25B | *17.25A | ---- | | 17.30 | NEW | .379 | ---- | 28 | 28 + | 28 | 36.25B | 17.25A |
| 2725 | 12.00 | 29.50B | *9.25 | ---- | | 9.00- | 9.90 | .307 | ---- | 159 | 121 + | 48 | 63.25B | 9.25 |
| 2730 | 25.75 | #32.50B | *15.00A | ---- | | 15.00 | NEW | .346 | ---- | 46 | 44 + | 44 | 32.50B | 15.00A |
| 2730 | 11.75 | 25.50B | *7.25 | ---- | | 7.20- | 8.60 | .259 | ---- | 167 | 190 + | 57 | 59.00B | 7.25 |
| 2735 | 23.25 | #29.00B | *12.75A | ---- | | 12.90 | NEW | .313 | ---- | 46 | 31 + | 31 | 29.00B | 12.75A |
| 2735 | 12.00 | 21.75B | *5.75 | ---- | | 5.60- | 7.40 | .214 | ---- | 100 | 75 - | 34 | 54.50B | 5.75 |
| 2740 | 20.00 | #25.50B | *10.75A | ---- | | 10.90- | 6.40 | .280 | ---- | 68 | 68 + | 60 | 25.50B | 10.75A |
| 2740 | 15.00 | 18.25B | *4.05 | ---- | | 4.25- | 6.15 | .171 | ---- | 24 | 73 + | 4 | 50.00B | 4.05 |
| 2745 | 17.50 | #22.25B | *9.00A | ---- | | 9.20- | 5.60 | .248 | ---- | 239 | 203 + | 195 | 22.25B | 9.00A |
| 2745 | 8.75 | 15.00B | *2.95 | ---- | | 3.15- | 5.05 | .133 | ---- | 369 | 332 + | 243 | 45.50B | 2.95 |
| 2750 | 18.25 | #19.25B | *7.50A | ---- | | 7.60- | 4.90 | .216 | ---- | 56 | 36 + | 29 | 19.25B | 7.50A |
| 2750 | 5.00 | 12.00B | *2.25A | ---- | | 2.25- | 4.05 | .099 | ---- | 264 | 292 - | 46 | 41.50B | 2.25A |
| 2755 | 15.00 | #16.50B | *6.25A | ---- | | 6.30- | 4.10 | .188 | ---- | 43 | 50 + | 32 | 16.50B | 6.25A |
| 2755 | 4.30 | 9.50B | *1.60A | ---- | | 1.60- | 3.05 | .073 | ---- | 175 | 265 + | 158 | 37.25B | 1.60A |
| 2760 | 2.85 | 7.25B | *1.05 | ---- | | 1.10- | 2.30 | .051 | ---- | 454 | 185 - | 118 | 33.25B | 1.05 |
| 2760 | 11.25 | #14.00B | *4.95A | ---- | | 5.10- | 3.50 | .160 | ---- | 42 | 52 + | 32 | 14.00B | 4.95A |
| 2765 | 10.75 | #11.50B | *3.95A | ---- | | 4.10- | 2.80 | .135 | ---- | 31 | 34 + | 31 | 11.50B | 3.95A |
| 2765 | 3.70 | 5.25B | *.75A | ---- | | .70- | 1.70 | .033 | ---- | 158 | 163 + | 62 | 29.50B | .75A |
| 2770 | 8.75 | #9.50B | *3.20A | ---- | | 3.25- | 2.25 | .112 | ---- | 38 | 253 + | 20 | 9.50B | 3.20A |
| 2770 | 1.75 | 3.80B | *.50 | ---- | | .45- | 1.20 | .021 | ---- | 468 | 200 + | 32 | 25.75B | .50 |
| 2775 | 6.25 | #7.50B | *2.65A | ---- | | 2.55- | 1.80 | .091 | ---- | 20 | 74 + | 20 | 7.50B | 2.65A |
| 2775 | .75 | 2.65 | *.35A | ---- | | .30- | 0.85 | .014 | ---- | 191 | 250 + | 54 | 22.50B | .35A |
| 2780 | 4.80 | #6.00B | *2.05A | ---- | | 1.95 | NEW | .073 | ---- | 20 | 20 + | 20 | 6.00B | 2.05A |
| 2780 | 1.70 | 1.80B | *.25 | ---- | | .20- | 0.60 | .009 | ---- | 44 | 113 - | 3 | 19.25B | .25 |
| 2785 | 4.25 | #4.70B | *1.65A | ---- | | 1.50 | NEW | .058 | ---- | 33 | 33 + | 33 | 4.70B | 1.65A |
| 2785 | .90 | 1.20B | *.20A | ---- | | .15- | 0.40 | .006 | ---- | 36 | 57 + | 24 | 16.25B | .20A |
| 2790 | 3.40 | #3.60B | *1.20 | ---- | | 1.15 | NEW | .046 | ---- | 60 | 60 + | 60 | 3.60B | 1.20 |
| 2790 | .65 | .75B | *.15A | ---- | | .10- | 0.30 | .004 | ---- | 80 | 110 - | 2 | 13.25B | .15A |
| 2795 | 2.50 | #2.75B | *1.00A | ---- | | .85 | NEW | .035 | ---- | 299 | 280 + | 280 | 2.75B | 1.00A |
| 2795 | ---- | .50B | *.15A | ---- | | .10- | 0.20 | .004 | ---- | ---- | 62 | UNCH | 10.75B | .15A |
| 2800 | ---- | .30B | *.15A | ---- | | .05- | 0.20 | .002 | ---- | ---- | 124 | UNCH | 8.50B | .15A |
| 2805 | .20 | .20 | *.10A | ---- | | .05- | 0.15 | .001 | ---- | 179 | 226 + | 162 | 6.75B | .10A |
| 2805 | 1.35 | #1.55B | *.60A | ---- | | .50 | NEW | .021 | ---- | 10 | 10 + | 10 | 1.55B | .60A |
| 2810 | .15 | .15 | *.10A | ---- | | .05- | 0.15 | .000 | ---- | 307 | 437 + | 272 | 5.25B | .10A |
| 2815 | .55 | #.85B | *.40A | ---- | | .30 | NEW | .013 | ---- | 188 | 188 + | 188 | .85B | .40A |
| 2815 | .10 | .10 | *.10 | ---- | | .05- | 0.10 | .000 | ---- | 3 | 39 + | 3 | 4.10B | .10 |
| 2820 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 16 | UNCH | 3.05B | .20A |
| 2825 | .45 | #.50B | *.30A | ---- | | .20 | NEW | .008 | ---- | 1 | 1 + | 1 | .50B | .30A |
| 2825 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 113 | UNCH | 2.35B | .10 |
| 2830 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 39 | UNCH | 1.75B | .10 |
| 2835 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 20 | UNCH | 1.30B | .10 |
| 2840 | .20 | #.20 | *.20 | ---- | | .10 | NEW | .004 | ---- | 103 | 103 + | 103 | .20 | .20 |
| 2850 | .15 | #.15 | *.15 | ---- | | .10 | NEW | .004 | ---- | 41 | 41 + | 41 | .15 | .15 |
| 2855 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 26 | UNCH | .50 | .10A |
| 2860 | .15 | #.15 | *.15 | ---- | | .05 | NEW | .001 | ---- | 1 | 1 + | 1 | .15 | .15 |
| 2860 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | .40 | .10A |
| 2865 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | .15A |
| 2875 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 5 | UNCH | .30 | .10A |
| TOTAL | | | | | | | | | | 5331 | 5930 + | 2738 | | |
| RTM EOM | | | | | | | | | | | | | | |
| JUN18 | RTM EOM | | | | | | | | | | | | | |
| 1560 | ---- | ---- | ---- | ---- | | 84.80- | 30.00 | .991 | ---- | ---- | 26 | UNCH | 152.40B | 23.40A |
| 1565 | ---- | ---- | ---- | ---- | | 79.90- | 29.90 | .989 | ---- | ---- | 23 | UNCH | 147.40B | 21.30A |
| 1570 | ---- | ---- | ---- | ---- | | 74.90- | 29.90 | .987 | ---- | ---- | 37 | UNCH | 142.50B | 19.20A |
| 1575 | ---- | ---- | ---- | ---- | | 70.00- | 29.80 | .985 | ---- | ---- | 22 | UNCH | 137.50B | 17.30A |
| 1590 | ---- | ---- | 57.00A | ---- | | 55.40- | 29.60 | .969 | ---- | ---- | 31 | UNCH | 122.70B | 12.40A |
| 1595 | ---- | ---- | 52.20A | ---- | | 50.60- | 29.40 | .958 | ---- | ---- | 24 | UNCH | 117.80B | 11.00A |
| 1600 | ---- | ---- | 47.40A | ---- | | 45.90- | 29.20 | .946 | ---- | ---- | 72 | UNCH | 113.00B | 9.70A |
| 1605 | ---- | ---- | 42.00A | ---- | | 41.30- | 28.80 | .930 | ---- | ---- | 18 | UNCH | 108.00B | 8.50A |
| 1615 | ---- | ---- | 32.80A | ---- | | 32.30- | 28.00 | .878 | ---- | ---- | 83 | UNCH | 98.30B | 6.60A |
| 1620 | ---- | ---- | 27.50A | ---- | | 27.90- | 27.60 | .841 | ---- | ---- | 32 | UNCH | 93.40B | 5.80A |
| 1625 | ---- | ---- | 23.40A | ---- | | 23.80- | 26.90 | .794 | ---- | ---- | 96 | UNCH | 88.40B | 5.00A |
| 1630 | ---- | ---- | 19.60A | ---- | | 19.80- | 26.10 | .738 | ---- | ---- | 25 | UNCH | 83.70B | 4.40A |
| 1635 | ---- | ---- | 16.00A | ---- | | 16.20- | 25.00 | .666 | ---- | ---- | 20 | UNCH | 78.80B | 3.90A |
| 1640 | ---- | ---- | 12.80A | ---- | | 12.80- | 23.80 | .584 | ---- | ---- | 15 | UNCH | 74.10B | 3.40A |
| 1645 | ---- | ---- | 9.90A | ---- | | 9.90- | 22.10 | .491 | ---- | ---- | 71 | UNCH | 69.20B | 3.00A |
| 1655 | ---- | ---- | 5.40A | ---- | | 5.30- | 18.10 | .298 | ---- | ---- | 47 | UNCH | 59.90B | 2.25A |
| 1660 | 10.80 | 19.10B | 3.80A | ---- | | 3.70- | 15.80 | .213 | ---- | 9 | 13 - | 1 | 55.50B | 2.00A |
| 1665 | 12.50 | 15.40B | 2.60A | ---- | | 2.55- | 13.15 | .146 | ---- | 5 | 39 - | 1 | 51.00B | 1.75A |
| 1670 | 8.70 | 11.90B | 1.70A | ---- | | 1.70- | 10.70 | .094 | ---- | 13 | 78 - | 2 | 46.50B | 1.55A |
| 1675 | 8.20 | 8.90B | *1.15A | ---- | | 1.10- | 8.30 | .057 | ---- | 73 | 92 + | 46 | 42.00B | 1.15A |
| 1680 | 3.50 | 3.80B | *.80A | ---- | | .75- | 6.15 | .035 | ---- | 21 | 29 | UNCH | 38.70B | .80A |
| 1685 | 4.25 | 4.40B | *.55A | ---- | | .45- | 4.40 | .019 | ---- | 114 | 103 + | 21 | 34.50B | .55A |
| 1690 | 2.20 | 2.40B | *.45A | ---- | | .30- | 3.00 | .011 | ---- | 3 | 57 + | 1 | 30.40B | .45A |
| 1695 | ---- | ---- | *.30A | ---- | | .20- | 2.00 | .006 | ---- | ---- | 41 | UNCH | 26.60B | .30A |
| 1700 | ---- | ---- | *.25A | ---- | | .10- | 1.30 | .002 | ---- | 4 | 155 + | 2 | 22.90B | .25A |
| 1705 | ---- | ---- | *.20A | ---- | | .05- | 0.85 | .001 | ---- | ---- | 89 | UNCH | 19.40B | .20A |
| 1710 | .20 | .20 | *.20 | ---- | | .05- | 0.55 | .000 | ---- | 2 | 163 - | 2 | 16.20B | .20 |
| 1715 | ---- | ---- | *.15A | ---- | CAB | | ---- | .000 | ---- | 2 | 5 + | 1 | 13.30B | .15A |
| 1720 | ---- | ---- | *.15A | ---- | CAB | | ---- | .000 | ---- | ---- | 28 | UNCH | 10.80 | .15A |
| 1725 | .10 | .10 | *.10 | ---- | CAB | | ---- | .000 | ---- | 20 | 22 - | 20 | 10.00 | .10 |
| 1730 | ---- | ---- | *.10A | ---- | CAB | | ---- | .000 | ---- | ---- | 30 | UNCH | 6.70B | .10A |
| 1735 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 13 | UNCH | 5.20B | .15A |
| 1745 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 128 | UNCH | 2.90B | .20A |
| 1750 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 20 | UNCH | 2.20B | .20A |
| 1760 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 55 | UNCH | 1.45B | .15A |
| 1765 | .05 | .05 | *.05 | ---- | CAB | | ---- | ---- | ---- | 30 | 92 | UNCH | 1.05B | .05 |
| 1770 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 92 | UNCH | 1.20B | .15A |
| 1775 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 40 | UNCH | 1.10B | .15A |
| 1780 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 30 | UNCH | 1.05B | .15A |
| 1785 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 20 | UNCH | .60 | .10A |
| 1820 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 51 | UNCH | .55B | .10 |
| 1825 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 21 | UNCH | .50B | .25A |
| 1830 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 78 | UNCH | .40B | .15 |
| 1840 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 14 | UNCH | .40B | .20A |
| 1850 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 8 | UNCH | .35B | .35 |
| 1875 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 20 | UNCH | .20B | .15 |
| 1925 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 60 | UNCH | .10B | .10 |
| 1950 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 22 | UNCH | .10B | .10 |
| TOTAL | | | | | | | | | | 296 | 2350 + | 45 | | |
| JUL18 | RTM EOM | | | | | | | | | | | | | |
| 1490 | ---- | ---- | 159.00A | ---- | | 157.80- | 28.70 | .933 | ---- | ---- | 15 | UNCH | 223.00B | 65.90A |
| 1510 | ---- | ---- | 139.90A | ---- | | 138.70- | 28.30 | .915 | ---- | ---- | 17 | UNCH | 203.40B | 55.00A |
| 1520 | ---- | ---- | 130.00A | ---- | | 129.30- | 28.00 | .904 | ---- | ---- | 18 | UNCH | 193.60B | 50.00A |
| 1530 | ---- | ---- | 120.70A | ---- | | 119.90- | 27.80 | .891 | ---- | ---- | 18 | UNCH | 183.90B | 45.20A |
| 1540 | ---- | ---- | 111.50A | ---- | | 110.70- | 27.40 | .875 | ---- | ---- | 1 | UNCH | 174.10B | 40.00A |
| 1545 | ---- | ---- | 107.00A | ---- | | 106.20- | 27.10 | .867 | ---- | ---- | 26 | UNCH | 169.20B | 37.30A |
| 1560 | ---- | ---- | 93.40A | ---- | | 92.80- | 26.40 | .837 | ---- | ---- | 1 | UNCH | 154.70B | 29.80A |
| 1565 | ---- | ---- | 89.10A | ---- | | 88.40- | 26.10 | .825 | ---- | ---- | 4 | UNCH | 149.80B | 27.50A |
| 1570 | ---- | ---- | 84.80A | ---- | | 84.10- | 25.70 | .812 | ---- | ---- | 18 | UNCH | 145.10B | 25.30A |
| 1575 | ---- | ---- | 79.30A | ---- | | 79.80- | 25.40 | .799 | ---- | ---- | 3 | UNCH | 140.30B | 23.20A |
| 1580 | ---- | ---- | 75.10A | ---- | | 75.50- | 25.10 | .786 | ---- | ---- | 5 | UNCH | 135.50B | 21.30A |
| 1585 | ---- | ---- | 70.90A | ---- | | 71.40- | 24.70 | .771 | ---- | ---- | 55 | UNCH | 130.70B | 19.40A |
| 1590 | ---- | ---- | 66.80A | ---- | | 67.20- | 24.30 | .755 | ---- | ---- | 12 | UNCH | 125.90B | 17.70A |
| 1595 | ---- | ---- | 62.80A | ---- | | 63.20- | 23.90 | .738 | ---- | ---- | 25 | UNCH | 121.10B | 16.00A |
| 1600 | ---- | ---- | 58.90A | ---- | | 59.20- | 23.40 | .720 | ---- | ---- | 50 | UNCH | 116.40B | 14.50A |
| 1605 | ---- | ---- | 55.00A | ---- | | 55.30- | 22.90 | .701 | ---- | ---- | 50 | UNCH | 111.90B | 13.10A |
| 1610 | ---- | ---- | 56.90A | ---- | | 56.50- | 21.50 | .657 | ---- | ---- | 2 | UNCH | 109.50B | 16.50A |
| 1610 | ---- | ---- | 51.20A | ---- | | 51.50- | 22.40 | .680 | ---- | ---- | 81 | UNCH | 107.50B | 11.80A |
| 1615 | 47.00 | 49.30B | *42.80A | ---- | | 43.20 | NEW | .686 | ---- | 23 | 23 + | 23 | 100.70B | 42.80A |
| 1615 | ---- | ---- | 47.50A | ---- | | 47.80- | 21.90 | .658 | ---- | ---- | 70 | UNCH | 102.80B | 10.60A |
| 1620 | ---- | ---- | 43.90A | ---- | | 44.20- | 21.30 | .636 | ---- | ---- | 18 | UNCH | 98.20B | 9.50A |
| 1625 | ---- | ---- | 46.10A | ---- | | 45.90- | 19.80 | .598 | ---- | ---- | 1 | UNCH | 95.90B | 12.50A |
| 1625 | ---- | ---- | 40.40A | ---- | | 40.80- | 20.50 | .612 | ---- | ---- | 33 | UNCH | 93.60B | 8.50A |
| 1630 | 31.00 | 31.50B | *26.40A | ---- | | 26.80 | NEW | .631 | ---- | 3 | 3 + | 3 | 84.90B | 26.40A |
| 1630 | ---- | ---- | 42.80A | ---- | | 42.60- | 19.20 | .576 | ---- | ---- | 2 | UNCH | 91.40B | 11.30A |
| 1630 | ---- | 53.30B | *32.10A | ---- | | 32.40- | 20.80 | .602 | ---- | ---- | 5 | UNCH | 87.00B | 32.10A |
| 1630 | ---- | ---- | 37.00A | ---- | | 37.40- | 19.90 | .587 | ---- | ---- | 22 | UNCH | 89.10B | 7.50A |
| 1635 | ---- | ---- | *28.80A | ---- | | 29.10- | 20.00 | .570 | ---- | ---- | 3 | UNCH | 82.40B | 28.80A |
| 1635 | ---- | ---- | 33.80A | ---- | | 34.10- | 19.20 | .560 | ---- | ---- | 53 | UNCH | 84.50B | 6.70A |
| 1640 | ---- | ---- | 36.40A | ---- | | 36.30- | 17.80 | .531 | ---- | ---- | 1 | UNCH | 82.60B | 9.40A |
| 1640 | ---- | ---- | *25.70A | ---- | | 25.90- | 19.10 | .537 | ---- | ---- | 5 | UNCH | 77.80B | 25.70A |
| 1640 | ---- | ---- | 30.70A | ---- | | 31.00- | 18.40 | .533 | ---- | ---- | 24 | UNCH | 80.00B | 6.00A |
| 1645 | ---- | ---- | 33.40A | ---- | | 33.20- | 17.20 | .507 | ---- | ---- | 5 | UNCH | 78.30B | 8.50A |
| 1645 | ---- | ---- | *22.70A | ---- | | 22.90- | 18.20 | .502 | ---- | ---- | 3 | UNCH | 73.20B | 22.70A |
| 1645 | ---- | ---- | 27.60A | ---- | | 27.90- | 17.70 | .504 | ---- | ---- | 13 | UNCH | 75.60B | 5.30A |

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# E-MINI S&P 500 CALL OPTIONS



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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1650 | 16.70 | 18.60B | *14.20A | ---- | | 14.40 | NEW | .449 | ---- | 1 | 1 + | 1 | 66.60B | 14.20A |
| 1650 | ---- | ---- | *19.90A | ---- | | 20.10- | 17.20 | .466 | ---- | ---- | 5 | UNCH | 68.70B | 19.90A |
| 1650 | ---- | ---- | 30.60A | ---- | | 30.40- | 16.30 | .482 | ---- | ---- | 5 | UNCH | 74.00B | 7.70A |
| 1650 | 27.50 | 29.10B | 24.80A | ---- | | 25.10- | 16.80 | .475 | ---- | 3 | 98 + | 1 | 72.10B | 4.70A |
| 1655 | 22.50 | 23.90B | *11.70A | ---- | | 11.90 | NEW | .399 | ---- | 4 | 4 + | 4 | 62.00B | 11.70A |
| 1655 | ---- | ---- | *25.90A | ---- | | 26.10 | NEW | .454 | ---- | 14 | 14 + | 14 | 43.50B | 25.90A |
| 1655 | ---- | ---- | 22.00A | ---- | | 22.30- | 15.90 | .445 | ---- | ---- | 16 | UNCH | 67.90B | 4.10A |
| 1660 | ---- | ---- | *9.50A | ---- | | 9.60- | 15.30 | .347 | ---- | ---- | 14 | UNCH | 57.50B | 9.50A |
| 1660 | ---- | ---- | 25.20A | ---- | | 25.00- | 14.80 | .431 | ---- | ---- | 1 | UNCH | 65.60B | 6.20A |
| 1660 | ---- | ---- | 19.50A | ---- | | 19.70- | 15.00 | .413 | ---- | ---- | 46 | UNCH | 63.60B | 3.70A |
| 1665 | ---- | ---- | *7.60A | ---- | | 7.70- | 13.70 | .297 | ---- | ---- | 14 | UNCH | 53.00B | 7.60A |
| 1665 | ---- | ---- | 22.80A | ---- | | 22.50- | 14.00 | .405 | ---- | ---- | 1 | UNCH | 61.60B | 5.60A |
| 1665 | ---- | 26.90B | *12.70A | ---- | | 12.80- | 13.90 | .353 | ---- | ---- | 10 | UNCH | 56.70B | 12.70A |
| 1665 | ---- | ---- | 17.10A | ---- | | 17.30- | 14.10 | .382 | ---- | ---- | 150 | UNCH | 59.40B | 3.20A |
| 1670 | 16.20 | 17.30B | *6.00A | ---- | | 6.00- | 12.20 | .248 | ---- | 72 | 71 + | 70 | 49.70B | 6.00A |
| 1670 | 18.60 | 23.70B | *10.70A | ---- | | 10.80 | NEW | .315 | ---- | 121 | 121 + | 121 | 52.40B | 10.70A |
| 1670 | 27.00 | 27.40B | 14.90A | ---- | | 15.10- | 13.00 | .350 | ---- | 35 | 53 | UNCH | 55.30B | 2.90A |
| 1675 | 7.80 | 8.00B | *4.60A | ---- | | 4.60- | 10.50 | .202 | ---- | 2 | 10 | UNCH | 45.40B | 4.60A |
| 1675 | 13.10 | 20.60B | *8.90 | ---- | | 9.00- | 11.50 | .277 | ---- | 117 | 120 + | 115 | 48.30B | 8.90 |
| 1675 | 24.60 | 25.10B | *16.30A | ---- | | 16.60- | 12.20 | .344 | ---- | 11 | 15 + | 1 | 30.20B | 16.30A |
| 1675 | ---- | ---- | 12.90A | ---- | | 13.00- | 12.10 | .318 | ---- | ---- | 265 | UNCH | 51.20B | 2.50A |
| 1680 | 10.70 | 11.40B | *3.50A | ---- | | 3.45- | 8.95 | .161 | ---- | 38 | 90 + | 35 | 41.20B | 3.50A |
| 1680 | 15.90 | 17.00B | *7.30 | ---- | | 7.40- | 10.30 | .241 | ---- | 68 | 53 + | 34 | 44.30B | 7.30 |
| 1680 | 21.90 | 22.40B | *14.40A | ---- | | 14.50 | NEW | .316 | ---- | 13 | 13 + | 13 | 27.20B | 14.40A |
| 1680 | ---- | ---- | 16.10A | ---- | | 15.90- | 11.40 | .326 | ---- | ---- | 1 | UNCH | 49.80B | 4.10A |
| 1680 | 14.50 | 14.70B | 11.10A | ---- | | 11.10- | 11.10 | .286 | ---- | 113 | 217 + | 111 | 47.30B | 2.20A |
| 1685 | ---- | ---- | *2.60A | ---- | | 2.55- | 7.35 | .125 | ---- | ---- | 36 | UNCH | 37.10B | 2.60A |
| 1685 | 13.40 | 14.40B | *5.90 | ---- | | 6.00- | 9.10 | .207 | ---- | 43 | 43 + | 15 | 40.30B | 5.90 |
| 1685 | 15.00 | 16.10B | 9.40A | ---- | | 9.50- | 9.90 | .257 | ---- | 19 | 65 | UNCH | 43.40B | 1.95A |
| 1690 | ---- | ---- | *1.90A | ---- | | 1.85- | 5.85 | .095 | ---- | ---- | 102 | UNCH | 33.20B | 1.90A |
| 1690 | ---- | ---- | 12.50A | ---- | | 12.20- | 9.70 | .273 | ---- | ---- | 1 | UNCH | 43.00B | 3.35A |
| 1690 | 11.40 | 11.40 | *4.75 | ---- | | 4.85- | 7.85 | .176 | ---- | 42 | 48 + | 27 | 36.50B | 4.75 |
| 1690 | 17.00 | 17.00 | *10.90A | ---- | | 11.00 | NEW | .262 | ---- | 3 | 3 + | 3 | 21.60B | 10.90A |
| 1690 | 9.60 | 9.60 | 8.00A | ---- | | 8.00- | 8.90 | .227 | ---- | 1 | 135 | UNCH | 39.70B | 1.75A |
| 1695 | 4.60 | 5.00B | *1.40A | ---- | | 1.35- | 4.55 | .072 | ---- | 9 | 88 - | 1 | 29.50B | 1.40A |
| 1695 | ---- | ---- | *3.90A | ---- | | 3.90- | 6.60 | .148 | ---- | ---- | 25 | UNCH | 32.90B | 3.90A |
| 1695 | 14.90 | 15.10B | *9.50A | ---- | | 9.50 | NEW | .236 | ---- | 12 | 12 + | 12 | 19.10B | 9.50A |
| 1695 | ---- | ---- | 6.80A | ---- | | 6.70- | 7.80 | .199 | ---- | ---- | 90 | UNCH | 36.10B | 1.55A |
| 1700 | ---- | ---- | *1.10A | ---- | | 1.00- | 3.45 | .054 | ---- | ---- | 70 | UNCH | 25.90B | 1.10A |
| 1700 | ---- | ---- | *3.10A | ---- | | 3.10- | 5.60 | .123 | ---- | ---- | 81 | UNCH | 29.40B | 3.10A |
| 1700 | ---- | ---- | *8.20A | ---- | | 8.20- | 7.50 | .212 | ---- | ---- | 7 | UNCH | 16.70B | 8.20A |
| 1700 | 15.20 | 16.40B | 9.50A | ---- | | 9.20- | 7.90 | .224 | ---- | 1 | 3 | UNCH | 36.20B | 2.75A |
| 1700 | 6.00 | 6.90B | 5.60A | ---- | | 5.60- | 6.80 | .174 | ---- | 1 | 132 - | 1 | 32.70B | 1.35A |
| 1705 | 2.45 | 2.50B | *.85A | ---- | | .75- | 2.50 | .041 | ---- | 22 | 26 + | 7 | 22.50B | .85A |
| 1705 | 2.40 | 2.45 | *2.40 | ---- | | 2.45 | NEW | .101 | ---- | 11 | 11 + | 11 | 26.10B | 2.40 |
| 1705 | 11.70 | 11.70 | *7.00A | ---- | | 7.00 | NEW | .188 | ---- | 5 | 1 + | 1 | 14.50B | 7.00A |
| 1705 | ---- | ---- | 4.70A | ---- | | 4.60- | 5.80 | .149 | ---- | ---- | 50 | UNCH | 29.40B | 1.20A |
| 1705 | 11.80 | 11.80 | 8.30A | ---- | | 7.90- | 7.10 | .200 | ---- | 6 | 6 | UNCH | 32.90B | 2.50A |
| 1710 | ---- | ---- | *.65A | ---- | | .60- | 1.80 | .033 | ---- | ---- | 68 | UNCH | 19.40B | .65A |
| 1710 | 4.70 | 4.80B | *1.90 | ---- | | 1.95- | 3.65 | .083 | ---- | 123 | 59 + | 40 | 22.90B | 1.90 |
| 1710 | 7.80 | 8.10B | 3.90A | ---- | | 3.80- | 4.90 | .128 | ---- | 61 | 79 + | 8 | 26.30B | 1.10A |
| 1715 | ---- | ---- | 6.10A | ---- | | 5.70- | 5.60 | .157 | ---- | ---- | 1 | UNCH | 26.90B | 3.95A |
| 1715 | 3.60 | 3.70B | *1.50A | ---- | | 1.55- | 2.85 | .067 | ---- | 18 | 70 + | 11 | 20.00B | 1.50A |
| 1715 | 5.90 | 6.10B | *5.00A | ---- | | 4.95 | NEW | .145 | ---- | 12 | 12 + | 12 | 10.70B | 5.00A |
| 1715 | ---- | ---- | *.55A | ---- | | .50- | 1.25 | .027 | ---- | ---- | 33 | UNCH | 16.50B | .55A |
| 1715 | 6.80 | 6.80 | 3.20A | ---- | | 3.15- | 4.05 | .110 | ---- | 81 | 120 - | 8 | 23.30B | .95A |
| 1720 | .80 | .80 | *.40 | ---- | | .40- | 0.85 | .021 | ---- | 45 | 71 + | 17 | 13.80B | .40 |
| 1720 | 1.55 | 1.55 | *1.20A | ---- | | 1.25 | NEW | .055 | ---- | 24 | 24 + | 24 | 17.30B | 1.20A |
| 1720 | 4.90 | 5.10B | *4.30A | ---- | | 4.15 | NEW | .126 | ---- | 10 | 10 + | 10 | 9.10B | 4.30A |
| 1720 | ---- | ---- | 2.65A | ---- | | 2.55- | 3.35 | .092 | ---- | ---- | 74 | UNCH | 20.60B | .85A |
| 1725 | ---- | ---- | *.40A | ---- | | .35- | 0.60 | .018 | ---- | ---- | 74 | UNCH | 11.40B | .40A |
| 1725 | ---- | ---- | 4.35A | ---- | | 4.05- | 4.15 | .120 | ---- | ---- | 1 | UNCH | 21.40B | 3.10A |
| 1725 | 1.65 | 1.70B | *.95A | ---- | | 1.00- | 1.65 | .045 | ---- | 89 | 97 + | 18 | 14.80B | .95A |
| 1725 | 3.50 | 3.50 | 2.20A | ---- | | 2.10- | 2.70 | .078 | ---- | 94 | 156 + | 2 | 18.00B | .80A |
| 1730 | ---- | ---- | *.35A | ---- | | .25- | 0.45 | .013 | ---- | ---- | 95 | UNCH | 9.30B | .35A |
| 1730 | ---- | ---- | 3.70A | ---- | | 3.40- | 3.60 | .104 | ---- | ---- | 2 | UNCH | 19.50 | 3.10A |
| 1730 | 3.40 | 3.40 | 1.80A | ---- | | 1.75- | 2.10 | .066 | ---- | 25 | 106 + | 23 | 15.60B | .70A |
| 1735 | ---- | ---- | *.35A | ---- | | .20- | 0.30 | .010 | ---- | ---- | 66 | UNCH | 7.50B | .35A |
| 1735 | ---- | ---- | 3.15A | ---- | | 2.85- | 3.05 | .090 | ---- | ---- | 2 | UNCH | 16.70B | 2.85A |
| 1735 | ---- | ---- | *.70A | ---- | | .70- | 0.85 | .032 | ---- | ---- | 1 | UNCH | 10.60B | .70A |
| 1735 | 2.80 | 2.80 | *2.50A | ---- | | 2.40 | NEW | .080 | ---- | 23 | 23 + | 23 | 5.30B | 2.50A |
| 1735 | 1.65 | 1.65 | 1.45A | ---- | | 1.45- | 1.65 | .056 | ---- | 4 | 80 | UNCH | 13.50B | .65A |
| 1740 | ---- | ---- | *.30A | ---- | | .20- | 0.15 | .010 | ---- | ---- | 2 | UNCH | 6.00B | .30A |
| 1740 | 2.25 | 2.35B | *2.10A | ---- | | 2.00 | NEW | .069 | ---- | 3 | 3 + | 3 | 4.40B | 2.10A |
| 1740 | ---- | ---- | 1.20A | ---- | | 1.20- | 1.30 | .047 | ---- | ---- | 57 | UNCH | 11.90B | .60A |
| 1745 | ---- | ---- | ---- | ---- | | .15- | 0.10 | .007 | ---- | ---- | 17 | UNCH | 4.80B | .35A |
| 1745 | ---- | ---- | *.50A | ---- | | .50- | 0.40 | .023 | ---- | ---- | 52 | UNCH | 7.30B | .50A |
| 1745 | ---- | ---- | 1.05A | ---- | | 1.00- | 1.00 | .040 | ---- | ---- | 161 | UNCH | 9.80B | .55A |
| 1750 | ---- | ---- | ---- | ---- | | .10- | 0.10 | .005 | ---- | ---- | 23 | UNCH | 3.70B | .45A |
| 1750 | ---- | ---- | *.45A | ---- | | .45- | 0.25 | .020 | ---- | ---- | 28 | UNCH | 5.90B | .45A |
| 1750 | .90 | .90 | .90 | ---- | | .85- | 0.75 | .034 | ---- | 6 | 152 + | 6 | 10.00B | .50A |
| 1755 | ---- | ---- | *.40A | ---- | | .35- | 0.20 | .016 | ---- | ---- | 2 | UNCH | 4.80B | .40A |
| 1755 | ---- | ---- | .80A | ---- | | .70- | 0.60 | .028 | ---- | ---- | 81 | UNCH | 6.90B | .50A |
| 1760 | ---- | ---- | ---- | ---- | | .10 | UNCH | .004 | ---- | ---- | 17 | UNCH | 2.25B | .35A |
| 1760 | ---- | ---- | *.35A | ---- | | .30- | 0.15 | .013 | ---- | ---- | 5 | UNCH | 3.90B | .35A |
| 1760 | ---- | ---- | .70A | ---- | | .60- | 0.45 | .024 | ---- | ---- | 112 | UNCH | 8.40B | .45A |
| 1765 | ---- | ---- | ---- | ---- | | .05- | 0.05 | .002 | ---- | ---- | 56 | UNCH | 1.75B | .30A |
| 1765 | ---- | ---- | *.35A | ---- | | .30- | 0.10 | .013 | ---- | ---- | 14 | UNCH | 3.10B | .35A |
| 1765 | ---- | ---- | *.60A | ---- | | .55- | 0.30 | .022 | ---- | ---- | 27 | UNCH | 4.80B | .60A |
| 1770 | ---- | ---- | ---- | ---- | | .05 | UNCH | .001 | ---- | ---- | 50 | UNCH | 1.40B | .30A |
| 1770 | ---- | ---- | *.30A | ---- | | .25- | 0.10 | .011 | ---- | ---- | 14 | UNCH | 2.50B | .30A |
| 1770 | ---- | ---- | .50A | ---- | | .50- | 0.20 | .020 | ---- | ---- | 266 | UNCH | 7.00B | .40A |
| 1775 | ---- | ---- | ---- | ---- | | .05 | UNCH | .001 | ---- | ---- | 71 | UNCH | 1.10B | .25A |
| 1775 | ---- | ---- | ---- | ---- | | .20- | 0.10 | .008 | ---- | ---- | 84 | UNCH | 2.05B | .45A |
| 1775 | ---- | ---- | .50A | ---- | | .45- | 0.15 | .018 | ---- | ---- | 37 | UNCH | 6.30B | .35A |
| 1780 | ---- | ---- | ---- | ---- | | .05 | UNCH | .000 | ---- | ---- | 3 | UNCH | .85B | .25A |
| 1780 | ---- | ---- | *1.10A | ---- | | .70- | 0.50 | .025 | ---- | ---- | 1 | UNCH | 4.15B | 1.10A |
| 1780 | ---- | ---- | ---- | ---- | | .20- | 0.05 | .008 | ---- | ---- | 49 | UNCH | 1.65B | .40A |
| 1780 | ---- | ---- | .45A | ---- | | .40- | 0.15 | .016 | ---- | ---- | 63 | UNCH | 5.80B | .35A |
| 1785 | ---- | ---- | ---- | ---- | | .15- | 0.10 | .006 | ---- | ---- | 10 | UNCH | 1.35B | .40A |
| 1785 | ---- | ---- | *.40A | ---- | | .35- | 0.10 | .014 | ---- | ---- | 3 | UNCH | 2.20B | .40A |
| 1790 | ---- | ---- | ---- | ---- | | .15- | 0.05 | .006 | ---- | ---- | 10 | UNCH | 1.10B | .35A |
| 1790 | ---- | ---- | *.55A | ---- | | .45- | 0.20 | .017 | ---- | ---- | 18 | UNCH | .70B | .55A |
| 1790 | ---- | ---- | ---- | ---- | | .35- | 0.05 | .013 | ---- | ---- | 7 | UNCH | 4.80B | .30A |
| 1795 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 63 | UNCH | .45B | .20A |
| 1795 | ---- | ---- | *.50A | ---- | | .40- | 0.15 | .015 | ---- | ---- | 10 | UNCH | .60B | .50A |
| 1795 | ---- | ---- | ---- | ---- | | .30- | 0.05 | .011 | ---- | ---- | 26 | UNCH | 1.50B | .35 |
| 1800 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 70 | UNCH | .35B | .20A |
| 1800 | ---- | ---- | ---- | ---- | | .40- | 0.05 | .014 | ---- | ---- | 90 | UNCH | .65 | .50 |
| 1800 | ---- | ---- | ---- | ---- | | .25- | 0.10 | .009 | ---- | ---- | 151 | UNCH | 3.90B | .30A |
| 1805 | ---- | ---- | ---- | ---- | | .25- | 0.05 | .009 | ---- | ---- | 3 | UNCH | 1.05B | .45A |
| 1810 | ---- | ---- | ---- | ---- | | .25- | 0.05 | .009 | ---- | ---- | 27 | UNCH | 3.20B | .25A |
| 1820 | ---- | ---- | ---- | ---- | | .10 | UNCH | .003 | ---- | ---- | 3 | UNCH | .50 | .25A |
| 1820 | ---- | ---- | ---- | ---- | | .20- | 0.05 | .007 | ---- | ---- | 19 | UNCH | 1.80B | .25A |
| 1825 | ---- | ---- | ---- | ---- | | .15- | 0.05 | .005 | ---- | ---- | 101 | UNCH | 1.65B | .25A |
| 1835 | ---- | ---- | ---- | ---- | | .15- | 0.05 | .005 | ---- | ---- | 9 | UNCH | .50 | .30A |
| 1840 | ---- | ---- | ---- | ---- | | .15- | 0.05 | .005 | ---- | ---- | 21 | UNCH | 1.25B | .30A |
| 1845 | ---- | ---- | ---- | ---- | | .10- | 0.05 | .003 | ---- | ---- | 9 | UNCH | .40 | .25A |
| 1860 | ---- | ---- | ---- | ---- | | .10- | 0.05 | .003 | ---- | ---- | 12 | UNCH | .90B | .25A |
| 1875 | ---- | ---- | ---- | ---- | | .05- | 0.10 | .001 | ---- | ---- | 24 | UNCH | .70B | .20A |
| 1890 | ---- | ---- | ---- | ---- | | .05- | 0.05 | .000 | ---- | ---- | 24 | UNCH | .50B | .20A |
| 1900 | ---- | ---- | ---- | ---- | | .05- | 0.05 | .000 | ---- | ---- | 164 | UNCH | .40B | .20A |
| 1910 | ---- | ---- | ---- | ---- | | .05- | 0.05 | .000 | ---- | ---- | 14 | UNCH | .35B | .15A |
| 2075 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 6 | UNCH | .10 | .10 |
| 2200 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 31 | UNCH | .05 | .05 |
| 2200 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 12 | UNCH | .05 | .05 |
| 2250 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 6 | UNCH | .05 | .05 |
| TOTAL | | | | | | | | | | 1431 | 6842 + | 809 | | |
| AUG18 | RTM EOM | | | | | | | | | | | | | |
| 1570 | ---- | ---- | 94.70A | ---- | | 95.00- | 23.30 | .740 | ---- | ---- | 36 | UNCH | 149.90B | 33.30A |
| 1575 | ---- | ---- | 90.70A | ---- | | 91.00- | 23.00 | .728 | ---- | ---- | 10 | UNCH | 145.30B | 31.10A |
| 1590 | ---- | 101.30B | 79.00A | ---- | | 79.30- | 21.90 | .691 | ---- | ---- | 1 | UNCH | 131.50B | 25.00A |
| 1600 | ---- | 93.00B | 71.50A | ---- | | 71.70- | 21.20 | .663 | ---- | ---- | 4 | UNCH | 122.40B | 21.50A |
| 1605 | ---- | 88.90B | 67.80A | ---- | | 68.00- | 20.80 | .648 | ---- | ---- | 8 | UNCH | 117.90B | 19.80A |
| 1610 | ---- | ---- | 64.20A | ---- | | 64.40- | 20.40 | .633 | ---- | ---- | 7 | UNCH | 113.50B | 18.20A |
| 1615 | ---- | ---- | 60.70A | ---- | | 60.90- | 19.90 | .617 | ---- | ---- | 54 | UNCH | 109.10B | 16.80A |
| 1620 | ---- | ---- | 57.30A | ---- | | 57.40- | 19.50 | .600 | ---- | ---- | 4 | UNCH | 104.70B | 15.40A |
| 1625 | ---- | ---- | 53.90A | ---- | | 54.00- | 19.00 | .583 | ---- | ---- | 40 | UNCH | 101.30B | 14.10A |
| 1635 | ---- | ---- | 47.40A | ---- | | 47.50- | 17.90 | .548 | ---- | ---- | 25 | UNCH | 92.70B | 11.80A |
| 1660 | ---- | ---- | 38.70A | ---- | | 38.30- | 14.70 | .459 | ---- | ---- | 1 | UNCH | 75.30B | 38.30A |
| 1660 | ---- | ---- | 32.80A | ---- | | 32.80- | 14.90 | .449 | ---- | ---- | 20 | UNCH | 72.10B | 7.30A |
| 1665 | ---- | ---- | 36.10A | ---- | | 35.70- | 14.10 | .440 | ---- | ---- | 2 | UNCH | 71.50B | 35.70A |
| 1670 | ---- | ---- | 27.80A | ---- | | 27.70- | 13.50 | .407 | ---- | ---- | 84 | UNCH | 64.30B | 6.00A |
| 1675 | 27.60 | 28.70B | 25.40A | ---- | | 25.30- | 12.80 | .386 | ---- | 4 | 9 + | 4 | 60.50B | 5.40A |

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# E-MINI S&P 500 CALL OPTIONS



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*CME Group, Inc.*
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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1680 | 25.20 | 26.30B | 23.20A | ---- | 23.10- | 12.10 | .364 | ---- | 8 | 31 | UNCH | 56.70B | 4.90A |
| 1685 | ---- | ---- | 21.10A | ---- | 21.00- | 11.40 | .343 | ---- | ---- | 3 | UNCH | 53.10B | 4.40A |
| 1690 | ---- | ---- | 24.30A | ---- | 24.00- | 11.00 | .346 | ---- | ---- | 1 | UNCH | 53.90B | 24.10A |
| 1690 | 27.50 | 27.50 | 19.10A | ---- | 19.00- | 10.70 | .321 | ---- | 10 | 26 + | 9 | 49.60B | 4.00A |
| 1695 | ---- | ---- | 22.40A | ---- | 22.00- | 10.40 | .327 | ---- | ---- | 1 | UNCH | 50.60B | 22.00A |
| 1695 | 19.30 | 19.70B | 17.30A | ---- | 17.10- | 10.00 | .300 | ---- | 5 | 32 - | 3 | 46.20B | 3.60A |
| 1700 | 16.90 | 17.70B | 15.50A | ---- | 15.40- | 9.30 | .279 | ---- | 2 | 335 | UNCH | 42.90B | 3.30A |
| 1705 | ---- | ---- | 13.90A | ---- | 13.70- | 8.70 | .258 | ---- | ---- | 19 | UNCH | 39.70B | 3.00A |
| 1710 | ---- | ---- | 12.40A | ---- | 12.20- | 8.00 | .238 | ---- | ---- | 80 | UNCH | 36.60B | 2.70A |
| 1715 | ---- | ---- | 15.30A | ---- | 15.00- | 8.00 | .253 | ---- | ---- | 2 | UNCH | 38.10B | 15.30A |
| 1715 | ---- | ---- | 11.10A | ---- | 10.90- | 7.30 | .219 | ---- | ---- | 20 | UNCH | 33.60B | 2.40A |
| 1720 | ---- | ---- | 9.80A | ---- | 9.60- | 6.70 | .200 | ---- | ---- | 60 | UNCH | 30.80B | 2.15A |
| 1725 | ---- | ---- | 8.70A | ---- | 8.50- | 6.00 | .183 | ---- | ---- | 37 | UNCH | 28.10B | 1.95A |
| 1730 | 11.90 | 11.90 | 7.70A | ---- | 7.50- | 5.40 | .166 | ---- | 2 | 134 - | 2 | 25.50B | 1.75A |
| 1735 | ---- | ---- | 6.80A | ---- | 6.60- | 4.80 | .151 | ---- | ---- | 2 | UNCH | 23.10B | 1.60A |
| 1740 | 8.50 | 8.50 | 5.90A | ---- | 5.70- | 4.40 | .135 | ---- | 22 | 53 + | 15 | 20.80B | 1.45A |
| 1745 | 6.80 | 8.50B | 5.20A | ---- | 5.00- | 3.80 | .121 | ---- | 1 | 5 | UNCH | 18.70B | 1.30A |
| 1750 | ---- | ---- | 4.50A | ---- | 4.35- | 3.35 | .109 | ---- | ---- | 78 | UNCH | 16.70B | 1.20A |
| 1755 | 4.50 | 4.60B | 3.95A | ---- | 3.80- | 2.90 | .097 | ---- | 13 | 13 + | 11 | 14.90B | 1.10A |
| 1760 | ---- | ---- | 3.40A | ---- | 3.30- | 2.50 | .087 | ---- | ---- | 14 | UNCH | 13.20B | 1.00A |
| 1765 | 4.45 | 4.65B | 3.00A | ---- | 2.85- | 2.15 | .077 | ---- | 11 | 78 + | 11 | 11.70B | 2.35A |
| 1770 | ---- | ---- | *4.50A | ---- | 4.10- | 2.60 | .095 | ---- | ---- | 1 | UNCH | 13.60B | 4.50A |
| 1770 | 3.90 | 3.90 | 2.60A | ---- | 2.50- | 1.85 | .068 | ---- | 29 | 121 + | 29 | 10.30B | .85A |
| 1775 | ---- | ---- | 2.25A | ---- | 2.15- | 1.55 | .060 | ---- | ---- | 32 | UNCH | 9.00B | .80A |
| 1780 | ---- | ---- | *3.55A | ---- | 3.15- | 1.95 | .077 | ---- | ---- | 1 | UNCH | 10.80B | 3.55A |
| 1780 | ---- | ---- | 2.00A | ---- | 1.90- | 1.30 | .054 | ---- | ---- | 14 | UNCH | 7.90B | .75A |
| 1785 | ---- | ---- | 1.75A | ---- | 1.65- | 1.10 | .048 | ---- | ---- | 20 | UNCH | 6.90B | 1.55A |
| 1790 | ---- | ---- | *2.80A | ---- | 2.45- | 1.50 | .062 | ---- | ---- | 1 | UNCH | 8.50B | 2.80A |
| 1790 | ---- | ---- | 1.55A | ---- | 1.45- | 0.90 | .042 | ---- | ---- | 35 | UNCH | 6.00B | .65A |
| 1795 | ---- | ---- | 1.35A | ---- | 1.25- | 0.75 | .037 | ---- | ---- | 123 | UNCH | 5.20B | 1.25A |
| 1800 | ---- | ---- | 1.20A | ---- | 1.10- | 0.65 | .033 | ---- | ---- | 136 | UNCH | 4.55B | .70A |
| 1805 | ---- | ---- | *1.05A | ---- | .95- | 0.55 | .029 | ---- | ---- | 37 | UNCH | 3.90B | 1.05A |
| 1810 | ---- | ---- | .95A | ---- | .85- | 0.45 | .026 | ---- | ---- | 100 | UNCH | 3.40B | .65A |
| 1815 | ---- | ---- | *.85A | ---- | .75- | 0.40 | .023 | ---- | ---- | 138 | UNCH | 3.00B | .85A |
| 1820 | ---- | ---- | .75A | ---- | .65- | 0.35 | .020 | ---- | ---- | 28 | UNCH | 2.60B | .55A |
| 1825 | ---- | ---- | .70A | ---- | .60- | 0.25 | .019 | ---- | ---- | 71 | UNCH | 2.25B | .55A |
| 1830 | ---- | ---- | .65A | ---- | .55- | 0.20 | .017 | ---- | ---- | 120 | UNCH | 1.95B | .50A |
| 1835 | ---- | ---- | *.60A | ---- | .50- | 0.20 | .015 | ---- | ---- | 106 | UNCH | 1.70B | .60A |
| 1840 | ---- | ---- | .55A | ---- | .45- | 0.15 | .014 | ---- | ---- | 41 | UNCH | 1.50B | .45A |
| 1845 | ---- | ---- | *.50A | ---- | .40- | 0.15 | .012 | ---- | ---- | 5 | UNCH | 1.35B | .50A |
| 1850 | ---- | ---- | .45A | ---- | .35- | 0.15 | .011 | ---- | ---- | 100 | UNCH | 1.20B | .45A |
| 1855 | ---- | ---- | ---- | ---- | .35- | 0.10 | .011 | ---- | ---- | 12 | UNCH | 1.10B | .55A |
| 1860 | ---- | ---- | ---- | ---- | .30- | 0.10 | .009 | ---- | ---- | 32 | UNCH | .95B | .40A |
| 1865 | ---- | ---- | ---- | ---- | .30- | 0.05 | .009 | ---- | ---- | 25 | UNCH | .90B | .50A |
| 1870 | ---- | ---- | ---- | ---- | .25- | 0.10 | .008 | ---- | ---- | 3 | UNCH | .85B | .35A |
| 1875 | ---- | ---- | ---- | ---- | .25- | 0.05 | .007 | ---- | ---- | 29 | UNCH | .80B | .35A |
| 1890 | ---- | ---- | ---- | ---- | .20- | 0.05 | .006 | ---- | ---- | 37 | UNCH | .70B | .25A |
| TOTAL | | | | | | | | | 107 | 2697 + | 74 | | |
| OCT18 | RTM EOM | | | | | | | | | | | | |
| 1540 | ---- | ---- | 140.00A | ---- | 140.20- | 23.00 | .743 | ---- | ---- | 21 | UNCH | 191.30B | 116.40A |
| 1650 | ---- | ---- | 62.50A | ---- | 62.30- | 16.30 | .517 | ---- | ---- | 3 | UNCH | 100.20B | 46.10A |
| 1660 | ---- | ---- | 56.80A | ---- | 56.50- | 15.50 | .491 | ---- | ---- | 10 | UNCH | 92.80B | 41.40A |
| 1670 | ---- | ---- | 51.30A | ---- | 51.00- | 14.60 | .464 | ---- | ---- | 6 | UNCH | 85.60B | 36.90A |
| 1675 | ---- | ---- | 48.70A | ---- | 48.40- | 14.10 | .450 | ---- | ---- | 6 | UNCH | 82.00B | 34.80A |
| 1680 | ---- | ---- | 46.10A | ---- | 45.80- | 13.70 | .436 | ---- | ---- | 8 | UNCH | 78.60B | 32.80A |
| 1690 | ---- | ---- | 41.20A | ---- | 40.90- | 12.80 | .408 | ---- | ---- | 3 | UNCH | 71.80B | 29.00A |
| 1700 | ---- | ---- | 36.60A | ---- | 36.30- | 11.80 | .380 | ---- | ---- | 1 | UNCH | 65.30B | 25.40A |
| 1710 | ---- | ---- | 32.30A | ---- | 32.00- | 10.90 | .351 | ---- | ---- | 24 | UNCH | 59.10B | 22.20A |
| 1725 | ---- | ---- | 26.60A | ---- | 26.20- | 9.50 | .309 | ---- | ---- | 36 | UNCH | 50.20B | 18.20A |
| 1750 | ---- | ---- | 18.50A | ---- | 18.10- | 7.30 | .240 | ---- | ---- | 1 | UNCH | 37.20B | 12.60A |
| 1800 | ---- | ---- | 8.10A | ---- | 7.60- | 3.60 | .126 | ---- | ---- | 20 | UNCH | 17.80B | 5.70A |
| 1865 | ---- | ---- | *2.60A | ---- | 2.15- | 0.95 | .044 | ---- | ---- | 3 | UNCH | 5.50B | 2.60A |
| TOTAL | | | | | | | | | 0 | 142 | | | |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT BOTH CME AND REGULAR TRADING HOURS SESSIONS. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $12.50 PRODCUT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

WK EW-W1 E-MINI S&P PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW1 MINI S&P P JUL18 | EOW1 MINI S&P P | | | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .05 | .05 |
| 1225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 45 | UNCH | .05 | .05 |
| 1250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 37 | UNCH | .05 | .05 |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .05 | .05 |
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | .15 | .05A |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .05 | .05 |
| 1525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | .30B | .10A |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | .40B | .10A |
| 1625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 65 | UNCH | .15 | .10A |
| 1650 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 76 | UNCH | .45B | .10A |
| 1660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 7 | UNCH | .40 | .10A |
| 1670 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 35 | UNCH | .40 | .10A |
| 1675 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 55 | UNCH | .40 | .10A |
| 1700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 93 | UNCH | .50B | .05 |
| 1720 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .55B | .05A |
| 1740 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | .55B | .05 |
| 1760 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .60B | .15A |
| 1775 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | 1.00 | .10 |
| 1780 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .65B | .05 |
| 1790 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 102 | UNCH | 1.00B | .10 |
| 1800 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 226 | UNCH | .65B | .05A |
| 1820 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 28 | UNCH | .70B | .10A |
| 1825 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 14 | UNCH | .70B | .10A |
| 1840 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 107 | UNCH | .70B | .10 |
| 1850 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 125 | UNCH | .75B | .10A |
| 1860 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 51 | UNCH | .75B | .05 |
| 1870 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 55 | UNCH | .75B | .10A |
| 1875 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 50 | UNCH | .80B | .10A |
| 1880 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 111 | UNCH | .80B | .10 |
| 1890 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 201 | UNCH | .80B | .05 |
| 1900 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 323 | UNCH | .85B | .10A |
| 1910 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 50 | UNCH | .85B | .10A |
| 1920 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 232 | UNCH | 1.40B | .05 |
| 1925 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 1 | UNCH | .90B | .05 |
| 1930 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 103 | UNCH | .90B | .10A |
| 1940 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | ---- | 400 | UNCH | .90B | .10 |
| 1950 | ---- | ---- | *.10A | ---- | .10- | 5 | .000 | ---- | ---- | 162 | UNCH | .95B | .10A |
| 1960 | ---- | ---- | *.10A | ---- | .10- | 5 | .000 | ---- | ---- | 101 | UNCH | 1.60B | .10A |
| 1970 | ---- | ---- | *.10A | ---- | .10- | 5 | .000 | ---- | ---- | 110 | UNCH | 1.00B | .10A |
| 1975 | ---- | ---- | *.10A | ---- | .10- | 5 | .000 | ---- | ---- | 3 | UNCH | 1.00B | .10A |
| 1980 | ---- | ---- | *.10A | ---- | .10- | 5 | .000 | ---- | ---- | 21 | UNCH | 1.05B | .10A |
| 1990 | ---- | ---- | *.10A | ---- | .10- | 5 | .000 | ---- | ---- | 139 | UNCH | 1.75B | .10A |
| 2000 | 0.05 | .10B | *.05 | ---- | .15 | UNCH | .001 | ---- | 1 | 466 + | 1 | 1.85 | .05 |
| 2010 | ---- | ---- | *.10A | ---- | .15 | UNCH | .001 | ---- | ---- | 160 | UNCH | 1.10B | .10A |
| 2020 | 0.10 | .10 | *.10 | ---- | .15 | UNCH | .001 | ---- | 10 | 152 | UNCH | 1.15B | .10 |
| 2025 | ---- | ---- | *.10A | ---- | .15 | UNCH | .001 | ---- | ---- | 208 | UNCH | 1.15B | .10A |
| 2030 | ---- | ---- | *.10A | ---- | .15 | UNCH | .001 | ---- | ---- | 76 | UNCH | 1.20B | .10A |
| 2040 | 0.10 | .10 | *.10 | ---- | .15 | UNCH | .001 | ---- | 150 | 135 - | 88 | 1.20B | .10 |
| 2050 | 0.15 | .15 | .10A | ---- | .15 | UNCH | .001 | ---- | 10 | 284 | UNCH | 1.25B | .10 |
| 2060 | ---- | ---- | *.10A | ---- | .20+ | 5 | .001 | ---- | ---- | 150 | UNCH | 1.30B | .10A |
| 2070 | ---- | ---- | .15A | ---- | .20 | UNCH | .001 | ---- | ---- | 17 | UNCH | 1.35B | .15A |
| 2075 | ---- | ---- | .15A | ---- | .20 | UNCH | .001 | ---- | ---- | 250 | UNCH | 1.35B | .15A |
| 2080 | 0.10 | .15B | *.10 | ---- | .20 | UNCH | .001 | ---- | 10 | 691 + | 10 | 1.35B | .10 |
| 2090 | 0.10 | .15 | *.10 | ---- | .20 | UNCH | .001 | ---- | 115 | 388 + | 115 | 1.40B | .10 |
| 2100 | 0.15 | .15 | *.10 | ---- | .20 | UNCH | .001 | ---- | 914 | 1032 + | 908 | 1.45B | .10 |
| 2110 | 0.15 | .15 | *.10 | ---- | .20 | UNCH | .001 | ---- | 535 | 731 + | 535 | 1.50B | .10 |
| 2120 | 0.15 | .15 | .15 | ---- | .20 | UNCH | .001 | ---- | 1332 | 1980 + | 1170 | 2.00 | .15 |
| 2125 | 0.15 | .20B | *.15 | ---- | .20 | UNCH | .001 | ---- | 1700 | 1715 + | 1300 | 1.60B | .15 |
| 2130 | 0.15 | .15 | *.15 | ---- | .25+ | 5 | .002 | ---- | 550 | 503 + | 499 | 1.60B | .15 |
| 2140 | 0.15 | .20B | *.15 | ---- | .25+ | 5 | .002 | ---- | 400 | 402 + | 400 | 1.65B | .15 |
| 2150 | 0.15 | .20B | *.15 | ---- | .25+ | 5 | .002 | ---- | 627 | 652 + | 537 | 1.70B | .15 |
| 2160 | 0.15 | .20B | .15 | ---- | .25 | UNCH | .002 | ---- | 922 | 828 + | 425 | 1.80B | .15 |
| 2170 | 0.15 | .20B | .15 | ---- | .25 | UNCH | .002 | ---- | 32 | 1008 + | 32 | 1.85B | .15 |
| 2175 | 0.25 | .25 | *.15A | ---- | .30+ | 5 | .002 | ---- | 100 | 148 - | 17 | 2.55 | .15A |
| 2180 | ---- | ---- | *.15A | ---- | .30+ | 5 | .002 | ---- | ---- | 480 | UNCH | 1.90B | .15A |
| 2190 | ---- | ---- | *.20A | ---- | .30+ | 5 | .002 | ---- | ---- | 527 | UNCH | 2.00B | .20A |
| 2200 | 0.15 | .25B | *.15 | ---- | .30+ | 5 | .002 | ---- | 3 | 673 + | 3 | 3.40B | .15 |
| 2210 | ---- | ---- | *.20A | ---- | .35+ | 5 | .003 | ---- | ---- | 490 | UNCH | 2.15B | .20A |
| 2220 | 0.30 | .35 | *.20A | ---- | .35+ | 5 | .003 | ---- | 406 | 897 - | 194 | 2.20B | .20A |
| 2225 | 0.35 | .35 | *.20A | ---- | .35+ | 5 | .003 | ---- | 50 | 74 + | 48 | 2.25B | .20A |
| 2230 | ---- | ---- | *.20A | ---- | .40+ | 5 | .003 | ---- | ---- | 2180 | UNCH | 2.30B | .20A |
| 2240 | 0.35 | .35 | *.20A | ---- | .40+ | 5 | .004 | ---- | 44 | 1021 + | 22 | 2.40B | .20A |
| 2250 | 0.40 | .40 | *.20A | ---- | .40+ | 5 | .004 | ---- | 10 | 866 | UNCH | 2.50B | .20A |
| 2260 | 0.40 | .40 | *.25A | ---- | .45+ | 10 | .004 | ---- | 22 | 1045 + | 22 | 2.60B | .25A |
| 2270 | 0.35 | .40B | *.25A | ---- | .45+ | 5 | .004 | ---- | 44 | 1597 + | 44 | 2.70B | .25A |
| 2275 | 0.25 | .40 | *.25 | ---- | .45+ | 5 | .004 | ---- | 35 | 1411 + | 35 | 2.75B | .25 |
| 2280 | 0.40 | .40 | *.25A | ---- | .50+ | 10 | .005 | ---- | 22 | 1195 | UNCH | 2.80B | .25A |
| 2290 | 0.30 | .45 | *.25A | ---- | .50+ | 10 | .005 | ---- | 133 | 501 + | 131 | 4.80B | .25A |
| 2300 | 0.40 | .50 | *.25A | ---- | .50+ | 10 | .005 | ---- | 338 | 935 + | 187 | 5.00B | .25A |
| 2305 | ---- | ---- | *.25A | ---- | .55+ | 10 | .006 | ---- | ---- | 659 | UNCH | 3.15B | .25A |
| 2310 | 0.50 | .50 | *.30A | ---- | .55+ | 10 | .006 | ---- | 22 | 137 + | 4 | 3.20B | .30A |
| 2315 | ---- | .50B | *.30A | ---- | .55+ | 10 | .006 | ---- | ---- | 176 | UNCH | 3.25B | .30A |
| 2320 | ---- | .50B | *.30A | ---- | .60+ | 15 | .006 | ---- | ---- | 851 | UNCH | 3.35B | .30A |
| 2325 | 0.50 | .55B | *.30A | ---- | .60+ | 15 | .006 | ---- | 22 | 856 | UNCH | 3.40B | .30A |
| 2330 | 0.40 | .55B | *.30A | ---- | .60+ | 10 | .007 | ---- | 316 | 1270 + | 253 | 5.50B | .30A |
| 2335 | 0.50 | .55B | *.30A | ---- | .65+ | 15 | .007 | ---- | 22 | 82 + | 17 | 3.55B | .30A |
| 2340 | 0.55 | .60B | *.30A | ---- | .65+ | 15 | .007 | ---- | 100 | 256 + | 100 | 3.65B | .30A |
| 2345 | ---- | .60B | *.30A | ---- | .65+ | 10 | .007 | ---- | ---- | 83 | UNCH | 4.70B | .30A |
| 2350 | 0.35 | .60B | *.35 | ---- | .70+ | 15 | .008 | ---- | 100 | 1211 - | 14 | 6.00 | .35 |
| 2355 | ---- | .65B | *.35A | ---- | .70+ | 15 | .008 | ---- | ---- | 1209 | UNCH | 6.25B | .35A |
| 2360 | 0.55 | .65B | *.35A | ---- | .70+ | 15 | .008 | ---- | 15 | 637 + | 15 | 5.00B | .35A |
| 2365 | 0.45 | .70 | *.35A | ---- | .75+ | 20 | .009 | ---- | 184 | 341 - | 2 | 4.10B | .35A |
| 2370 | ---- | .70B | *.35A | ---- | .75+ | 15 | .009 | ---- | 1 | 325 - | 1 | 6.50B | .35A |
| 2375 | ---- | .70B | *.35A | ---- | .75+ | 15 | .009 | ---- | 100 | 439 - | 100 | 6.75B | .35A |
| 2380 | 0.40 | .75B | *.40 | ---- | .80+ | 20 | .010 | ---- | 44 | 189 + | 24 | 5.50B | .40 |
| 2385 | 0.50 | .75B | *.40A | ---- | .80+ | 20 | .010 | ---- | 101 | 418 - | 101 | 4.50B | .40A |
| 2390 | 0.75 | .80B | *.35A | ---- | .85+ | 20 | .011 | ---- | 49 | 256 + | 49 | 5.75B | .35A |
| 2395 | 0.55 | .85 | *.35 | ---- | .85+ | 20 | .011 | ---- | 85 | 317 + | 50 | 4.70B | .35 |
| 2400 | 0.85 | .85 | *.40 | ---- | .85+ | 20 | .011 | ---- | 2982 | 2405 + | 1558 | 7.75B | .40 |
| 2405 | 0.50 | .85 | *.40A | ---- | .90+ | 20 | .012 | ---- | 659 | 917 + | 649 | 6.25B | .40A |
| 2410 | 0.90 | .90 | *.45A | ---- | .90+ | 20 | .012 | ---- | 107 | 68 - | 51 | 5.00B | .45A |
| 2415 | 0.45 | .90B | *.45 | ---- | .95+ | 25 | .013 | ---- | 1 | 287 | UNCH | 8.25B | .45 |
| 2420 | 0.45 | 1.00 | *.40 | ---- | 1.00+ | 25 | .014 | ---- | 462 | 513 - | 9 | 8.50B | .40 |
| 2425 | 1.00 | 1.00 | *.45A | ---- | 1.00+ | 25 | .014 | ---- | 200 | 389 + | 58 | 8.75B | .45A |
| 2430 | 0.50 | 1.00B | *.45 | ---- | 1.05+ | 25 | .015 | ---- | 735 | 1101 + | 592 | 5.50B | .45 |
| 2435 | 0.50 | 1.05B | *.50 | ---- | 1.10+ | 30 | .015 | ---- | 686 | 943 + | 655 | 9.00B | .50 |
| 2440 | 1.00 | 1.10B | *.50A | ---- | 1.10+ | 30 | .016 | ---- | 1 | 115 | UNCH | 7.50B | .50A |
| 2445 | 0.50 | 1.15 | *.45 | ---- | 1.15+ | 30 | .017 | ---- | 1600 | 1530 + | 1345 | 7.75B | .45 |
| 2450 | 0.50 | 1.15B | *.50 | ---- | 1.20+ | 35 | .017 | ---- | 1176 | 1304 + | 707 | 9.75B | .50 |
| 2455 | 0.50 | 1.20 | *.50 | ---- | 1.25+ | 35 | .018 | ---- | 452 | 517 + | 333 | 8.00B | .50 |
| 2460 | 0.55 | 1.35 | *.55 | ---- | 1.30+ | 40 | .019 | ---- | 74 | 742 - | 28 | 8.25 | .55 |
| 2465 | ---- | 1.25B | *.55A | ---- | 1.35+ | 40 | .020 | ---- | ---- | 561 | UNCH | 8.50B | .55A |
| 2470 | 0.60 | 1.30B | *.60 | ---- | 1.40+ | 45 | .021 | ---- | 161 | 523 - | 10 | 8.75B | .60 |
| 2475 | 0.60 | 1.35B | *.60 | ---- | 1.45+ | 45 | .022 | ---- | 111 | 617 + | 111 | 9.00B | .60 |
| 2480 | 0.65 | 1.40B | *.60 | ---- | 1.50+ | 45 | .023 | ---- | 87 | 557 - | 51 | 9.25B | .60 |
| 2485 | 0.60 | 1.50B | *.60 | ---- | 1.55+ | 50 | .025 | ---- | 440 | 536 + | 296 | 9.50B | .60 |
| 2490 | 0.65 | 1.55B | *.65 | ---- | 1.60+ | 50 | .026 | ---- | 110 | 285 + | 52 | 10.00B | .65 |
| 2495 | 0.95 | 1.60B | *.65 | ---- | 1.65+ | 55 | .027 | ---- | 121 | 159 + | 64 | 12.75B | .65 |
| 2500 | 0.65 | 1.70 | *.65 | ---- | 1.70+ | 55 | .028 | ---- | 1840 | 1798 + | 889 | 10.50B | .65 |
| 2505 | 0.85 | 1.75B | *.70A | ---- | 1.80+ | 60 | .030 | ---- | 74 | 515 - | 74 | 10.75B | .70A |
| 2510 | 0.75 | 1.85B | *.75 | ---- | 1.85+ | 60 | .031 | ---- | 20 | 199 + | 15 | 11.25B | .75 |
| 2515 | ---- | 1.95B | *.75A | ---- | 1.95+ | 65 | .033 | ---- | ---- | 307 | UNCH | 11.50B | .75A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2520 | 0.80 | 2.10B | *.80 | ---- | 2.05+ | 70 | .035 | ---- | 128 | 284 - | 17 | 11.75B | .80 |
| 2525 | 0.90 | 2.20 | *.80A | ---- | 2.15+ | 75 | .037 | ---- | 1038 | 951 - | 329 | 15.25B | .80A |
| 2530 | 1.25 | 2.30B | *.85A | ---- | 2.25+ | 75 | .040 | ---- | 123 | 511 - | 8 | 12.75B | .85A |
| 2535 | 2.45 | 2.45 | *.90A | ---- | 2.35+ | 80 | .042 | ---- | 106 | 315 + | 72 | 13.00B | .90A |
| 2540 | 2.60 | 2.70 | *.90A | ---- | 2.50+ | 90 | .045 | ---- | 101 | 496 + | 95 | 13.50B | .90A |
| 2545 | 2.70 | 2.75B | *.95A | ---- | 2.60+ | 90 | .047 | ---- | 28 | 746 + | 4 | 14.00B | .95A |
| 2550 | 1.70 | 3.05 | *1.00A | ---- | 2.75+ | 100 | .051 | ---- | 521 | 894 - | 254 | 17.75B | 1.00A |
| 2555 | 1.25 | 3.05B | *1.05A | ---- | 2.95+ | 110 | .055 | ---- | 50 | 222 + | 50 | 15.00B | 1.05A |
| 2560 | 3.25 | 3.25 | *1.10A | ---- | 3.10+ | 115 | .058 | ---- | 121 | 808 - | 54 | 19.00B | 1.10A |
| 2565 | 1.25 | 3.45B | *1.15A | ---- | 3.30+ | 125 | .062 | ---- | 192 | 548 + | 59 | 18.75 | 1.15A |
| 2570 | 3.60 | 3.75 | *1.20A | ---- | 3.50+ | 135 | .067 | ---- | 122 | 1282 + | 102 | 16.50B | 1.20A |
| 2575 | 1.85 | 3.85 | *1.25 | ---- | 3.75+ | 150 | .072 | ---- | 1173 | 2016 + | 559 | 21.00B | 1.25 |
| 2580 | 2.95 | 4.10B | *1.30A | ---- | 4.00+ | 165 | .077 | ---- | 31 | 400 - | 4 | 21.75B | 1.30A |
| 2585 | 1.45 | 4.35B | *1.35A | ---- | 4.25+ | 175 | .083 | ---- | 197 | 439 - | 1 | 18.50B | 1.35A |
| 2590 | 1.55 | 4.85 | *1.45A | ---- | 4.55+ | 190 | .089 | ---- | 510 | 864 + | 335 | 23.25B | 1.45A |
| 2595 | 2.30 | 4.95B | *1.50A | ---- | 4.85+ | 205 | .096 | ---- | 181 | 791 - | 60 | 19.75B | 1.50A |
| 2600 | 3.30 | 5.25B | *1.60A | ---- | 5.20+ | 225 | .103 | ---- | 592 | 3577 + | 4 | 25.00B | 1.60A |
| 2605 | 5.00 | 5.50B | *1.70A | ---- | 5.50+ | 235 | .111 | ---- | 186 | 968 - | 42 | 21.25B | 1.70A |
| 2610 | 4.50 | 6.00 | *1.80A | ---- | 5.90+ | 255 | .119 | ---- | 151 | 2604 + | 125 | 22.25B | 1.80A |
| 2615 | 2.75 | 6.50B | *1.90A | ---- | 6.40+ | 280 | .129 | ---- | 2597 | 2204 + | 1654 | 23.00B | 1.90A |
| 2620 | 6.75 | 7.00 | *2.00 | ---- | 6.90+ | 305 | .140 | ---- | 657 | 1338 + | 164 | 29.00B | 2.00 |
| 2625 | 5.75 | 8.25 | *2.20A | ---- | 7.40+ | 330 | .151 | ---- | 260 | 1053 + | 83 | 24.75B | 2.20A |
| 2630 | 4.05 | 8.00B | *2.35A | ---- | 8.00+ | 360 | .163 | ---- | 360 | 1047 | UNCH | 25.75B | 2.35A |
| 2635 | 3.90 | 8.50B | *2.50A | ---- | 8.70+ | 400 | .177 | ---- | 368 | 349 - | 27 | 27.00B | 2.50A |
| 2640 | 4.15 | 10.25 | 2.70A | ---- | 9.40+ | 440 | .192 | ---- | 985 | 1098 + | 253 | 28.00B | 2.70A |
| 2645 | 3.70 | 10.00B | 2.90A | ---- | 10.20+ | 480 | .207 | ---- | 579 | 392 - | 182 | 29.25B | 2.80A |
| 2650 | 6.50 | 11.50 | 3.15 | ---- | 11.10+ | 530 | .225 | ---- | 2185 | 3902 - | 19 | 30.50B | 2.90A |
| 2655 | 4.60 | 11.75B | 3.40A | ---- | 12.00+ | 570 | .242 | ---- | 325 | 1310 + | 49 | 31.75B | 3.05A |
| 2660 | 8.00 | 12.75B | 3.70A | ---- | 13.00+ | 620 | .262 | ---- | 469 | 2832 - | 52 | 33.00B | 3.20A |
| 2665 | 10.50 | 13.75 | 4.00A | ---- | 14.00+ | 660 | .282 | ---- | 2787 | 1817 + | 689 | 34.50B | 3.35A |
| 2670 | 8.75 | 15.50 | 4.35A | ---- | 15.20+ | 710 | .304 | ---- | 868 | 1429 + | 115 | 36.00B | 3.50A |
| 2675 | 9.00 | 17.50 | 4.75A | ---- | 16.40+ | 760 | .327 | ---- | 1812 | 2591 + | 567 | 37.50B | 3.65A |
| 2680 | 10.50 | 18.50 | 5.25A | ---- | 17.70+ | 810 | .351 | ---- | 812 | 1091 - | 82 | 39.00B | 3.85A |
| 2685 | 6.75 | 20.25 | 5.75A | ---- | 19.20+ | 880 | .377 | ---- | 308 | 610 + | 116 | 40.75B | 4.10A |
| 2690 | 15.50 | 21.75 | 6.25A | ---- | 20.70+ | 940 | .405 | ---- | 799 | 1085 + | 336 | 42.50B | 4.35A |
| 2695 | 13.00 | 22.25B | 7.00A | ---- | 22.40+ | 1010 | .434 | ---- | 450 | 577 + | 65 | 44.50B | 4.60A |
| 2700 | 15.50 | 25.00 | 7.50 | ---- | 24.20+ | 1080 | .464 | ---- | 3659 | 3922 - | 225 | 54.00B | 4.80 |
| 2705 | 14.75 | 27.75 | 8.25A | ---- | 26.20+ | 1160 | .496 | ---- | 715 | 611 - | 241 | 48.50B | 5.25A |
| 2710 | 16.00 | 28.00B | 9.25A | ---- | 28.30+ | 1240 | .528 | ---- | 1148 | 1945 + | 187 | 50.75B | 5.75A |
| 2715 | 16.50 | 30.25B | 10.00A | ---- | 30.50+ | 1310 | .562 | ---- | 622 | 1394 - | 238 | 53.00B | 6.00A |
| 2720 | 18.25 | 33.75 | 11.00A | ---- | 32.90+ | 1390 | .597 | ---- | 544 | 1639 + | 91 | 55.50B | 6.25 |
| 2725 | 22.00 | 35.25B | 12.00 | ---- | 35.50+ | 1480 | .632 | ---- | 400 | 1750 + | 151 | 58.00B | 7.00A |
| 2730 | 21.00 | 38.00B | 13.25 | ---- | 38.30+ | 1560 | .668 | ---- | 683 | 1190 + | 128 | 60.50B | 7.50A |
| 2735 | 36.00 | 41.00B | 14.75A | ---- | 41.30+ | 1650 | .703 | ---- | 210 | 648 + | 15 | 63.25B | 8.25A |
| 2740 | 32.00 | 44.00B | 16.50A | ---- | 44.40+ | 1730 | .739 | ---- | 1405 | 1228 + | 70 | 66.25B | 8.75A |
| 2745 | 45.75 | 47.50B | 18.25A | ---- | 47.80+ | 1820 | .773 | ---- | 130 | 562 + | 1 | 69.25B | 9.50A |
| 2750 | 35.25 | 51.00B | 20.25 | ---- | 51.40+ | 1900 | .804 | ---- | 239 | 940 + | 44 | 72.50B | 10.25A |
| 2755 | 25.00 | 54.75B | 22.25A | ---- | 55.20+ | 1980 | .834 | ---- | 3 | 265 - | 1 | 75.75B | 11.25A |
| 2760 | 28.00 | 58.75B | 24.75A | ---- | 59.10+ | 2050 | .862 | ---- | 13 | 537 - | 1 | 79.25B | 12.25A |
| 2765 | 33.50 | 62.00B | 27.50A | ---- | 63.20+ | 2100 | .887 | ---- | 8 | 1068 + | 7 | 71.50B | 13.50A |
| 2770 | 37.50 | 66.25B | 30.50A | ---- | 67.50+ | 2160 | .909 | ---- | 3 | 738 + | 1 | 75.00B | 14.75A |
| 2775 | 46.50 | 72.00 | 33.75A | ---- | 71.90+ | 2200 | .928 | ---- | 11 | 1177 | UNCH | 78.75B | 16.25A |
| 2780 | 74.50 | 75.25B | 37.25A | ---- | 76.50+ | 2250 | .944 | ---- | 52 | 1549 - | 4 | 82.50B | 18.00A |
| 2785 | 48.75 | 79.75B | 41.25A | ---- | 81.10+ | 2270 | .956 | ---- | 10 | 208 + | 2 | 86.75B | 20.00A |
| 2790 | ---- | 84.50B | 46.50A | ---- | 85.80+ | 2290 | .968 | ---- | 13 | 149 + | 3 | 90.00B | 22.00 |
| 2795 | ---- | 89.50B | 51.00A | ---- | 90.60+ | 2300 | .976 | ---- | ---- | 21 | UNCH | 94.25B | 24.00A |
| 2800 | ---- | 94.25B | 56.00A | ---- | 95.50+ | 2320 | .982 | ---- | ---- | 20 | UNCH | 98.75B | 26.25 |
| 2805 | ---- | 98.25B | 60.75A | ---- | 100.40+ | 2330 | .986 | ---- | ---- | 11 | UNCH | 103.00B | 28.75A |
| 2810 | ---- | 101.75B | 65.25A | ---- | 105.30+ | 2330 | .988 | ---- | ---- | 30 | UNCH | 107.50B | 31.25A |
| 2815 | ---- | 106.75B | 71.75A | ---- | 110.20+ | 2330 | .993 | ---- | ---- | 2 | UNCH | 110.00B | 34.00A |
| 2820 | ---- | 111.75B | ---- | ---- | 115.20+ | 2340 | .993 | ---- | ---- | 19 | UNCH | 114.25B | 37.00A |
| 2825 | ---- | 116.75B | ---- | ---- | 120.10+ | 2340 | .995 | ---- | ---- | 7 | UNCH | 119.00B | 40.00 |
| 2830 | ---- | 121.50B | ---- | ---- | 125.10+ | 2340 | .997 | ---- | ---- | 3 | UNCH | 123.75B | 43.75A |
| 2835 | ---- | 125.50B | ---- | ---- | 130.10+ | 2350 | .998 | ---- | ---- | 4 | UNCH | 128.50B | 47.25A |
| TOTAL | | | | | | | | | 53815 | 120831 + | 7875 | | |
| AUG18 | EOW1 MINI S&P P | | | | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .25+ | 5 | .001 | ---- | ---- | 120 | UNCH | .25 | .20A |
| 1475 | ---- | ---- | .20A | ---- | .25 | UNCH | .001 | ---- | ---- | 120 | UNCH | .30 | .20A |
| 1700 | ---- | ---- | .40A | ---- | .55+ | 10 | .003 | ---- | ---- | 9 | UNCH | .70 | .40A |
| 1780 | ---- | .60B | *.50A | ---- | .70+ | 15 | .004 | ---- | ---- | 149 | UNCH | .60 | .50A |
| 1810 | ---- | .70B | .55A | ---- | .75+ | 15 | .004 | ---- | ---- | 1 | UNCH | .85 | .55A |
| 1820 | ---- | .70B | *.55A | ---- | .75+ | 10 | .004 | ---- | ---- | 1 | UNCH | .75 | .55A |
| 1830 | ---- | .75B | *.55A | ---- | .80+ | 15 | .005 | ---- | ---- | 2 | UNCH | .90 | .55A |
| 1840 | ---- | .75B | *.55A | ---- | .80+ | 10 | .005 | ---- | ---- | 1 | UNCH | 1.15 | .55A |
| 1850 | ---- | .80B | *.60A | ---- | .85+ | 15 | .005 | ---- | ---- | 1 | UNCH | .80 | .60A |
| 1860 | ---- | .80B | *.60A | ---- | .85+ | 15 | .005 | ---- | ---- | 9 | UNCH | .80 | .60A |
| 1880 | ---- | .85B | *.65A | ---- | .95+ | 20 | .006 | ---- | ---- | 3 | UNCH | .85 | .65A |
| 1910 | ---- | .95B | *.70A | ---- | 1.00+ | 20 | .006 | ---- | ---- | 1 | UNCH | 1.30B | .70A |
| 1925 | ---- | #1.00B | *.75A | ---- | 1.10+ | 25 | .007 | ---- | ---- | 9 | UNCH | 1.00B | .75A |
| 1930 | ---- | #1.00B | *.75A | ---- | 1.10+ | 25 | .007 | ---- | ---- | 1 | UNCH | 1.00B | .75A |
| 1940 | ---- | #1.05B | *.75A | ---- | 1.15+ | 25 | .007 | ---- | ---- | 6 | UNCH | 1.05B | .75A |
| 1950 | ---- | 1.10B | *.80A | ---- | 1.15+ | 25 | .007 | ---- | ---- | 3 | UNCH | 1.10 | .80A |
| 1970 | ---- | 1.15B | *.85A | ---- | 1.25+ | 25 | .008 | ---- | ---- | 10 | UNCH | 1.65B | .85A |
| 1975 | 1.25 | #1.25 | *.85A | ---- | 1.25+ | 25 | .008 | ---- | 1 | 4 + | 1 | 1.25 | .85A |
| 1990 | ---- | #1.25B | *.90A | ---- | 1.35+ | 30 | .009 | ---- | ---- | 15 | UNCH | 1.25B | .90A |
| 2000 | ---- | #1.30B | *.90A | ---- | 1.35+ | 25 | .009 | ---- | ---- | 4 | UNCH | 1.30B | .90A |
| 2020 | 1.35 | #1.40B | *.95A | ---- | 1.45+ | 30 | .010 | ---- | 100 | 101 + | 100 | 1.40B | .95A |
| 2025 | ---- | #1.40B | *1.00A | ---- | 1.50+ | 30 | .010 | ---- | ---- | 3 | UNCH | 1.40B | 1.00A |
| 2030 | ---- | #1.45B | *1.00A | ---- | 1.50+ | 30 | .010 | ---- | ---- | 4 | UNCH | 1.45B | 1.00A |
| 2040 | ---- | #1.50B | *1.05A | ---- | 1.55+ | 30 | .011 | ---- | ---- | 9 | UNCH | 1.50B | 1.05A |
| 2050 | 1.55 | 1.55 | *1.05A | ---- | 1.60+ | 35 | .011 | ---- | 1 | 5 | UNCH | 1.95 | 1.05A |
| 2060 | ---- | #1.60B | *1.10A | ---- | 1.65+ | 35 | .012 | ---- | ---- | 1 | UNCH | 1.60B | 1.10A |
| 2070 | ---- | #1.65B | *1.15A | ---- | 1.75+ | 40 | .013 | ---- | ---- | 1 | UNCH | 1.65B | 1.15A |
| 2080 | ---- | 1.70B | *1.15A | ---- | 1.80+ | 40 | .013 | ---- | ---- | 50 | UNCH | 2.00 | 1.15A |
| 2100 | ---- | 1.80B | *1.25A | ---- | 1.90+ | 40 | .014 | ---- | ---- | 145 | UNCH | 2.60 | 1.25A |
| 2110 | ---- | #1.90B | *1.30A | ---- | 2.00+ | NEW | .015 | ---- | 2 | 2 + | 2 | 1.90B | 1.30A |
| 2125 | 1.60 | 2.00B | *1.35A | ---- | 2.10+ | 45 | .016 | ---- | 35 | 163 + | 35 | 2.40 | 1.35A |
| 2130 | 1.75 | #2.05B | *1.35A | ---- | 2.10+ | NEW | .016 | ---- | 10 | 10 + | 10 | 2.05B | 1.35A |
| 2160 | ---- | 2.25B | *1.50A | ---- | 2.35+ | 50 | .018 | ---- | ---- | 14 | UNCH | 2.60B | 1.50A |
| 2200 | 2.00 | #2.65B | *1.75A | ---- | 2.75+ | 60 | .022 | ---- | 13 | 10 + | 7 | 2.65B | 1.75A |
| 2210 | ---- | 2.75B | *1.80A | ---- | 2.85+ | 65 | .023 | ---- | ---- | 10 | UNCH | 3.90B | 1.80A |
| 2220 | ---- | 2.85B | *1.85A | ---- | 2.95+ | 65 | .024 | ---- | ---- | 2 | UNCH | 3.70B | 1.85A |
| 2260 | ---- | #3.40B | *2.15A | ---- | 3.50+ | NEW | .030 | ---- | 2 | 2 + | 2 | 3.40B | 2.15A |
| 2270 | ---- | #3.55B | *2.25A | ---- | 3.65+ | NEW | .031 | ---- | 2 | 2 + | 2 | 3.55B | 2.25A |
| 2275 | ---- | 3.60B | *2.30A | ---- | 3.70+ | 90 | .032 | ---- | ---- | 52 | UNCH | 5.00B | 2.30A |
| 2280 | ---- | #3.70B | *2.35A | ---- | 3.80+ | 95 | .033 | ---- | 2 | 3 + | 2 | 3.70B | 2.35A |
| 2290 | ---- | 3.85B | *2.45A | ---- | 3.95+ | 95 | .035 | ---- | 2 | 12 + | 2 | 5.25B | 2.45A |
| 2300 | ---- | 4.05B | *2.55A | ---- | 4.15+ | 105 | .037 | ---- | 4 | 55 + | 4 | 5.50B | 2.55A |
| 2305 | ---- | 4.15B | *2.60A | ---- | 4.25+ | 105 | .038 | ---- | 2 | 11 + | 2 | 4.35B | 2.60A |
| 2310 | ---- | 4.25B | *2.65A | ---- | 4.35+ | NEW | .039 | ---- | 5 | 5 + | 5 | 4.45B | 2.65A |
| 2320 | ---- | 4.45B | *2.75A | ---- | 4.55+ | 115 | .041 | ---- | ---- | 2 | UNCH | 4.65B | 2.75A |
| 2325 | ---- | 4.55B | *2.80A | ---- | 4.65+ | 115 | .042 | ---- | ---- | 8 | UNCH | 4.75B | 2.80A |
| 2330 | ---- | 4.65B | *2.85A | ---- | 4.75+ | NEW | .043 | ---- | 2 | 2 + | 2 | 4.90B | 2.85A |
| 2335 | ---- | 4.75B | *2.90A | ---- | 4.85+ | NEW | .044 | ---- | 7 | 7 + | 7 | 5.00B | 2.90A |
| 2340 | ---- | 4.90B | *3.00A | ---- | 4.95+ | 120 | .045 | ---- | 3 | 12 + | 3 | 5.00B | 3.00A |
| 2345 | ---- | 5.00B | *3.05A | ---- | 5.10+ | 130 | .047 | ---- | 25 | 105 + | 5 | 6.75 | 3.05A |
| 2350 | ---- | 5.00B | *3.10A | ---- | 5.20+ | 130 | .048 | ---- | 15 | 32 + | 15 | 7.00 | 3.10A |
| 2355 | ---- | #5.25B | *3.20A | ---- | 5.40+ | 140 | .050 | ---- | 7 | 12 | UNCH | 5.25B | 3.20A |
| 2360 | ---- | 5.25B | *3.20A | ---- | 5.50+ | 140 | .051 | ---- | 9 | 10 + | 9 | 5.75 | 3.20A |
| 2365 | ---- | 5.50B | *3.30A | ---- | 5.60+ | NEW | .052 | ---- | 5 | 5 + | 5 | 5.75B | 3.30A |
| 2370 | ---- | 5.50B | *3.40A | ---- | 5.80+ | NEW | .054 | ---- | 1 | 1 + | 1 | 5.75B | 3.40A |
| 2375 | ---- | 5.75B | *3.50A | ---- | 5.90+ | 150 | .055 | ---- | 30 | 29 + | 28 | 6.25 | 3.50A |
| 2380 | ---- | #6.00B | *3.55A | ---- | 6.10+ | NEW | .057 | ---- | 15 | 15 + | 15 | 6.00B | 3.55A |
| 2385 | ---- | 6.00B | *3.65A | ---- | 6.30+ | 165 | .059 | ---- | 7 | 8 + | 7 | 6.50 | 3.65A |
| 2390 | ---- | 6.25B | *3.75A | ---- | 6.40+ | NEW | .060 | ---- | 25 | 23 + | 23 | 6.50B | 3.75A |
| 2400 | ---- | 6.75B | *3.90A | ---- | 6.80+ | 180 | .064 | ---- | 1 | 17 + | 1 | 9.00 | 3.90A |
| 2405 | ---- | 6.75B | *4.00A | ---- | 7.00+ | NEW | .066 | ---- | 5 | 5 + | 5 | 7.00B | 4.00A |
| 2410 | 6.50 | #7.00B | *4.10A | ---- | 7.20+ | NEW | .069 | ---- | 1 | 1 + | 1 | 7.00B | 4.10A |
| 2415 | ---- | 7.25B | *4.20A | ---- | 7.40+ | 200 | .071 | ---- | ---- | 50 | UNCH | 7.50B | 4.20A |
| 2420 | 6.50 | 7.50B | *4.30A | ---- | 7.60+ | 210 | .073 | ---- | 18 | 62 + | 7 | 9.25 | 4.30A |
| 2425 | 7.50 | 7.50 | *4.45A | ---- | 7.80+ | NEW | .075 | ---- | 50 | 50 + | 50 | 7.75B | 4.45A |
| 2430 | ---- | 7.75B | *4.55A | ---- | 8.00+ | 220 | .077 | ---- | ---- | 501 | UNCH | 10.00B | 4.55A |
| 2435 | 7.50 | 8.00B | *4.65A | ---- | 8.20+ | 230 | .079 | ---- | 4 | 56 + | 4 | 8.25B | 4.65A |

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# E-MINI S&P 500 PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2440 | ---- | 8.25B | *4.80A | ---- | 8.50+ | 240 | .082 | ---- | ---- | 4 | UNCH | 10.50B | 4.80A |
| 2445 | 8.00 | 8.50B | *4.90A | ---- | 8.70+ | 240 | .085 | ---- | 94 | 144 + | 94 | 8.50B | 4.90A |
| 2450 | 6.25 | 8.75B | *5.00A | ---- | 8.90+ | 250 | .087 | ---- | 78 | 54 + | 44 | 8.75B | 5.00A |
| 2455 | 8.25 | 9.00B | *5.25A | ---- | 9.20+ | 260 | .090 | ---- | 50 | 100 + | 50 | 11.25B | 5.25A |
| 2460 | 8.25 | 9.25B | *5.50A | ---- | 9.40+ | NEW | .093 | ---- | 50 | 50 + | 50 | 9.25B | 5.50A |
| 2465 | 6.50 | 9.50B | *5.50A | ---- | 9.70+ | 280 | .096 | ---- | 58 | 177 + | 58 | 12.00B | 5.50A |
| 2470 | 8.25 | 9.75B | *5.75A | ---- | 10.00+ | NEW | .099 | ---- | 2 | 2 + | 2 | 9.75B | 5.75A |
| 2475 | 7.75 | 10.00B | *5.75A | ---- | 10.20+ | 290 | .102 | ---- | 60 | 113 + | 60 | 11.00 | 5.75A |
| 2480 | 8.00 | 10.50 | *6.00A | ---- | 10.50+ | 300 | .105 | ---- | 2 | 30 + | 2 | 12.75B | 6.00A |
| 2485 | 9.25 | 10.75B | *6.25A | ---- | 10.80+ | 300 | .108 | ---- | 54 | 301 + | 51 | 13.25B | 6.25A |
| 2490 | 7.25 | 11.00B | *6.25A | ---- | 11.10+ | 310 | .112 | ---- | 156 | 168 + | 143 | 13.50B | 6.25A |
| 2495 | ---- | 11.50B | *6.50A | ---- | 11.50+ | 330 | .116 | ---- | ---- | 100 | UNCH | 14.00B | 6.50A |
| 2500 | 11.50 | 11.75B | *6.75A | ---- | 11.80+ | 330 | .119 | ---- | 14 | 148 + | 1 | 14.25 | 6.75A |
| 2505 | ---- | 12.25B | *7.00A | ---- | 12.20+ | 340 | .123 | ---- | ---- | 20 | UNCH | 15.25 | 7.00A |
| 2510 | ---- | 12.50B | *7.00A | ---- | 12.50+ | 340 | .127 | ---- | ---- | 200 | UNCH | 15.00B | 7.00A |
| 2515 | ---- | #13.00B | *7.25A | ---- | 12.90+ | 350 | .131 | ---- | ---- | 1 | UNCH | 13.00B | 7.25A |
| 2520 | ---- | 13.25B | *7.50A | ---- | 13.30+ | 360 | .136 | ---- | ---- | 4 | UNCH | 16.00 | 7.50A |
| 2525 | ---- | 13.75B | *7.75A | ---- | 13.70+ | 370 | .140 | ---- | 1 | 86 + | 1 | 16.25 | 7.75A |
| 2530 | 9.25 | #14.00B | *8.00A | ---- | 14.10+ | NEW | .145 | ---- | 2 | 1 + | 1 | 14.00B | 8.00A |
| 2535 | 13.25 | 14.50B | *8.25A | ---- | 14.60+ | 400 | .150 | ---- | 1 | 184 | UNCH | 17.25B | 8.25A |
| 2540 | 9.75 | #15.00B | *8.50A | ---- | 15.10+ | NEW | .155 | ---- | 72 | 51 + | 51 | 15.00B | 8.50A |
| 2545 | ---- | #15.50B | *8.75A | ---- | 15.50+ | 420 | .160 | ---- | ---- | 10 | UNCH | 15.50B | 8.75A |
| 2550 | 11.75 | 16.00B | *9.00A | ---- | 16.00+ | 430 | .166 | ---- | 30 | 35 + | 30 | 18.75B | 9.00A |
| 2555 | 12.25 | #16.50B | *9.25A | ---- | 16.60+ | 450 | .172 | ---- | 22 | 71 + | 21 | 16.50B | 9.25A |
| 2560 | ---- | 17.00B | *9.50A | ---- | 17.10+ | 460 | .177 | ---- | ---- | 200 | UNCH | 20.00 | 9.50A |
| 2565 | ---- | 17.50B | *10.00A | ---- | 17.70+ | 480 | .184 | ---- | ---- | 47 | UNCH | 20.00 | 10.00A |
| 2570 | 16.75 | 18.25B | *10.25A | ---- | 18.30+ | 500 | .190 | ---- | 20 | 221 + | 20 | 20.00 | 10.25A |
| 2575 | 14.00 | 18.75B | *10.50A | ---- | 18.90+ | 510 | .197 | ---- | 102 | 104 + | 102 | 20.50B | 10.50A |
| 2580 | 14.75 | 19.25 | *11.00A | ---- | 19.50+ | 530 | .204 | ---- | 2 | 3 + | 2 | 22.25B | 11.00A |
| 2585 | 14.75 | 20.00B | *11.25A | ---- | 20.20+ | 550 | .211 | ---- | 21 | 155 + | 21 | 23.00B | 11.25A |
| 2590 | 14.00 | 20.75B | *11.75A | ---- | 20.90+ | 570 | .218 | ---- | 27 | 128 + | 27 | 23.75B | 11.75A |
| 2595 | 12.25 | #21.50B | *12.00A | ---- | 21.60+ | NEW | .226 | ---- | 10 | 10 + | 10 | 21.50B | 12.00A |
| 2600 | 16.75 | 22.00B | *12.50A | ---- | 22.40+ | 610 | .234 | ---- | 317 | 109 + | 107 | 24.25 | 12.50A |
| 2605 | 15.50 | #23.00B | *13.00A | ---- | 23.20+ | 630 | .243 | ---- | 32 | 33 + | 32 | 23.00B | 13.00A |
| 2610 | 17.25 | 23.75B | *13.25A | ---- | 24.00+ | 650 | .251 | ---- | 27 | 27 + | 12 | 26.75B | 13.25A |
| 2615 | 18.00 | #24.50B | *13.75A | ---- | 24.80+ | NEW | .260 | ---- | 27 | 27 + | 27 | 24.50B | 13.75A |
| 2620 | 19.00 | 26.25 | *14.25A | ---- | 25.70+ | 700 | .270 | ---- | 18 | 25 | UNCH | 28.50B | 14.25A |
| 2625 | 17.75 | 27.00 | *14.75A | ---- | 26.70+ | 730 | .280 | ---- | 39 | 47 + | 3 | 29.50B | 14.75A |
| 2630 | 24.00 | #27.50 | *15.25A | ---- | 27.60+ | NEW | .289 | ---- | 24 | 24 + | 24 | 27.50 | 15.25A |
| 2635 | 25.25 | 29.00 | *16.00A | ---- | 28.60+ | 770 | .300 | ---- | 10 | 17 + | 2 | 31.50B | 16.00A |
| 2640 | 29.50 | #29.50 | *16.50A | ---- | 29.70+ | NEW | .311 | ---- | 2 | 2 + | 2 | 29.50 | 16.50A |
| 2645 | 26.50 | #30.50B | *17.25A | ---- | 30.80+ | NEW | .322 | ---- | 3 | 3 + | 3 | 30.50B | 17.25A |
| 2650 | 28.25 | #32.25 | *17.75A | ---- | 31.90+ | 860 | .334 | ---- | 4 | 9 + | 2 | 32.25 | 17.75A |
| 2655 | 28.50 | #33.50 | *18.50A | ---- | 33.10+ | NEW | .346 | ---- | 2 | 2 + | 2 | 33.50 | 18.50A |
| 2660 | 25.75 | #34.00B | *19.25A | ---- | 34.40+ | 920 | .358 | ---- | 21 | 20 + | 19 | 34.00B | 19.25A |
| 2665 | 33.75 | #35.50B | *20.00A | ---- | 35.60+ | NEW | .371 | ---- | 1 | 1 + | 1 | 35.50B | 20.00A |
| 2670 | 26.75 | #36.75B | *20.75A | ---- | 37.00+ | NEW | .385 | ---- | 21 | 21 + | 21 | 36.75B | 20.75A |
| 2675 | 27.75 | #38.25B | *21.50A | ---- | 38.40+ | NEW | .398 | ---- | 1 | 1 + | 1 | 38.25B | 21.50A |
| 2680 | 23.75 | #39.75B | *22.50A | ---- | 39.90+ | NEW | .413 | ---- | 3 | 3 + | 3 | 39.75B | 22.50A |
| 2700 | 31.50 | #46.00B | *26.50A | ---- | 46.40+ | NEW | .474 | ---- | 202 | 202 + | 202 | 46.00B | 26.50A |
| 2705 | 33.50 | #47.75B | *27.50A | ---- | 48.20+ | NEW | .491 | ---- | 1 | 1 + | 1 | 47.75B | 27.50A |
| 2710 | 32.00 | #49.75B | *28.75A | ---- | 50.10+ | 1290 | .508 | ---- | 41 | 43 + | 41 | 49.75B | 28.75A |
| 2715 | ---- | 51.50B | *30.00A | ---- | 52.10+ | 1330 | .526 | ---- | 1 | 11 + | 1 | 54.75 | 30.00A |
| 2720 | ---- | #53.50B | *31.25A | ---- | 54.10+ | 1370 | .544 | ---- | ---- | 1 | UNCH | 53.50B | 31.25A |
| 2730 | ---- | #58.00B | *34.25A | ---- | 58.50+ | 1470 | .581 | ---- | ---- | 1 | UNCH | 58.00B | 34.25A |
| 2735 | ---- | #60.25B | *35.75A | ---- | 60.90+ | NEW | .600 | ---- | 5 | 5 + | 5 | 60.25B | 35.75A |
| 2740 | ---- | #62.75B | *37.25A | ---- | 63.30+ | NEW | .620 | ---- | 216 | 216 + | 216 | 62.75B | 37.25A |
| 2745 | ---- | #65.25B | *39.00A | ---- | 65.90+ | NEW | .639 | ---- | 12 | 2 + | 2 | 65.25B | 39.00A |
| 2760 | ---- | #73.75B | *44.75A | ---- | 74.20+ | NEW | .700 | ---- | 5 | 5 + | 5 | 73.75B | 44.75A |
| 2820 | 82.25 | #117.75B | *80.00A | ---- | 119.00+ | NEW | .902 | ---- | 1 | 1 + | 1 | 117.75B | 80.00A |
| TOTAL | | | | | | | | | 2375 | 5935 + | 1938 | | |

WK EW-W2 E-MINI S&P PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW2 MINI S&P P | | | | | | | | | | | | | |
| JUL18 | EOW2 MINI S&P P | | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | .05 | .05 |
| 1400 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 50 | UNCH | .05 | .05 |
| 1500 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 50 | UNCH | .15 | .10 |
| 1525 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 50 | UNCH | .15 | .10A |
| 1550 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 40 | UNCH | .15 | .10A |
| 1575 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 300 | UNCH | .15 | .15 |
| 1600 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 115 | UNCH | .20B | .15 |
| 1625 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 50 | UNCH | .20B | .10A |
| 1650 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 65 | UNCH | .20B | .10A |
| 1660 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 50 | UNCH | .25B | .10A |
| 1670 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 75 | UNCH | .25B | .10A |
| 1675 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 102 | UNCH | .30 | .10A |
| 1680 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | ---- | 75 | UNCH | .25B | .10A |
| 1690 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | ---- | 75 | UNCH | .25B | .10A |
| 1700 | ---- | ---- | .10A | ---- | .15 | UNCH | .000 | ---- | ---- | 57 | UNCH | .25B | .10A |
| 1710 | ---- | ---- | .10A | ---- | .15 | UNCH | .000 | ---- | ---- | 805 | UNCH | .30 | .10A |
| 1720 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 28 | UNCH | .30B | .15 |
| 1725 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 57 | UNCH | .30B | .15A |
| 1730 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 42 | UNCH | .30B | .15A |
| 1740 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 12 | UNCH | .35 | .15A |
| 1750 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 147 | UNCH | .35B | .15A |
| 1760 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 2 | UNCH | .35B | .15A |
| 1770 | ---- | ---- | ---- | ---- | .20+ | 5 | .001 | ---- | ---- | 24 | UNCH | .35B | .15A |
| 1775 | ---- | ---- | ---- | ---- | .20+ | 5 | .001 | ---- | ---- | 8 | UNCH | .35B | .15A |
| 1780 | ---- | ---- | ---- | ---- | .20+ | 5 | .001 | ---- | ---- | 27 | UNCH | .35B | .15A |
| 1790 | ---- | ---- | .15A | ---- | .20 | UNCH | .001 | ---- | ---- | 1 | UNCH | .35B | .15A |
| 1800 | ---- | ---- | .15A | ---- | .20 | UNCH | .001 | ---- | ---- | 134 | UNCH | .40B | .15A |
| 1810 | ---- | ---- | .15A | ---- | .20 | UNCH | .001 | ---- | ---- | 283 | UNCH | .40B | .15A |
| 1820 | ---- | ---- | .15A | ---- | .25+ | 5 | .001 | ---- | ---- | 73 | UNCH | .40B | .15 |
| 1825 | ---- | ---- | *.15A | ---- | .25+ | 5 | .001 | ---- | ---- | 110 | UNCH | .40B | .15A |
| 1830 | ---- | ---- | *.15A | ---- | .25+ | 5 | .001 | ---- | ---- | 227 | UNCH | .40B | .15A |
| 1840 | 0.15 | .15 | .15 | ---- | .25+ | 5 | .001 | ---- | 31 | 483 + | 22 | .45B | .15 |
| 1850 | ---- | ---- | ---- | ---- | .25+ | 5 | .001 | ---- | ---- | 45 | UNCH | .45B | .20A |
| 1860 | ---- | ---- | ---- | ---- | .25+ | 5 | .001 | ---- | ---- | 63 | UNCH | .45B | .20A |
| 1870 | ---- | ---- | ---- | ---- | .30+ | 10 | .002 | ---- | ---- | 51 | UNCH | .45B | .20A |
| 1875 | ---- | ---- | ---- | ---- | .30+ | 10 | .002 | ---- | ---- | 63 | UNCH | .50B | .20A |
| 1880 | ---- | ---- | .20A | ---- | .30+ | 5 | .002 | ---- | ---- | 28 | UNCH | .50B | .20A |
| 1890 | ---- | ---- | .20A | ---- | .30+ | 5 | .002 | ---- | ---- | 15 | UNCH | .50B | .20A |
| 1900 | ---- | ---- | .20A | ---- | .30+ | 5 | .002 | ---- | ---- | 5 | UNCH | .50B | .20A |
| 1910 | ---- | ---- | .20A | ---- | .30+ | 5 | .002 | ---- | ---- | 3 | UNCH | .55B | .20A |
| 1920 | ---- | ---- | .20A | ---- | .30+ | 5 | .002 | ---- | ---- | 401 | UNCH | .55B | .20 |
| 1925 | ---- | ---- | .20A | ---- | .30+ | 5 | .002 | ---- | ---- | 33 | UNCH | .55B | .20 |
| 1930 | ---- | ---- | .20A | ---- | .35+ | 10 | .002 | ---- | ---- | 71 | UNCH | .55B | .20 |
| 1940 | ---- | ---- | .20A | ---- | .35+ | 5 | .002 | ---- | ---- | 402 | UNCH | .55B | .20 |
| 1950 | ---- | ---- | .20A | ---- | .35+ | 5 | .002 | ---- | ---- | 61 | UNCH | .60B | .20 |
| 1960 | ---- | ---- | *.20A | ---- | .35+ | 5 | .002 | ---- | ---- | 73 | UNCH | .60B | .20A |
| 1970 | ---- | ---- | .25A | ---- | .35+ | 5 | .002 | ---- | ---- | 3 | UNCH | .60B | .20 |
| 1975 | ---- | ---- | .25A | ---- | .35+ | 5 | .002 | ---- | ---- | 1 | UNCH | .60B | .25A |
| 1980 | 0.25 | .30B | .25 | ---- | .35+ | 5 | .002 | ---- | 16 | 22 + | 16 | .65B | .25A |
| 2000 | ---- | ---- | .25A | ---- | .40+ | 5 | .003 | ---- | ---- | 101 | UNCH | .65B | .25 |
| 2020 | ---- | ---- | .25A | ---- | .40+ | 5 | .003 | ---- | ---- | 21 | UNCH | .70B | .25 |
| 2025 | ---- | ---- | .25A | ---- | .40+ | 5 | .003 | ---- | ---- | 1 | UNCH | .70B | .25A |
| 2050 | ---- | ---- | .30A | ---- | .45+ | 5 | .003 | ---- | ---- | 27 | UNCH | .75B | .30A |
| 2075 | ---- | ---- | .30A | ---- | .50+ | 10 | .004 | ---- | ---- | 60 | UNCH | .85B | .30A |
| 2080 | ---- | .45B | .30A | ---- | .50+ | 10 | .004 | ---- | ---- | 1 | UNCH | .85B | .30A |
| 2090 | 0.35 | .45B | .30A | ---- | .50+ | 5 | .004 | ---- | 10 | 10 + | 9 | .90 | .30A |
| 2100 | 0.50 | .50 | *.30A | ---- | .55+ | 10 | .004 | ---- | 5 | 1568 + | 5 | 1.00 | .30A |
| 2110 | ---- | .50B | .35A | ---- | .55+ | 10 | .004 | ---- | ---- | 87 | UNCH | .95B | .35A |
| 2120 | ---- | .50B | .35A | ---- | .55+ | 10 | .004 | ---- | ---- | 1 | UNCH | .95B | .35A |
| 2125 | ---- | .55B | .35A | ---- | .60+ | 15 | .005 | ---- | ---- | 9 | UNCH | 1.00B | .35A |
| 2130 | ---- | .55B | .35A | ---- | .60+ | 10 | .005 | ---- | ---- | 14 | UNCH | 1.05B | .35A |
| 2150 | 0.35 | .65 | *.35 | ---- | .65+ | 15 | .006 | ---- | 202 | 206 + | 202 | 1.10 | .35 |
| 2160 | 0.65 | .65 | .40A | ---- | .65+ | NEW | .006 | ---- | 200 | 200 + | 200 | 1.15B | .40A |
| 2170 | ---- | .65B | .40A | ---- | .70+ | 15 | .006 | ---- | ---- | 2 | UNCH | 1.20B | .40A |
| 2175 | ---- | .65B | .40A | ---- | .70+ | 15 | .006 | ---- | ---- | 2 | UNCH | 1.25B | .40A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2180 | 0.65 | .65 | .45A | ---- | .70+ | 10 | .006 | ---- | 25 | 175 + | 25 | 1.30 | .40A |
| 2190 | ---- | .70B | .45A | ---- | .75+ | 15 | .007 | ---- | ---- | 100 | UNCH | 1.30B | .45A |
| 2200 | 0.40 | .75B | *.40 | ---- | .75+ | 15 | .007 | ---- | 5 | 1038 + | 5 | 1.40 | .40 |
| 2210 | ---- | .75B | .50A | ---- | .80+ | 15 | .008 | ---- | ---- | 60 | UNCH | 1.40B | .45A |
| 2220 | ---- | .80B | .50A | ---- | .85+ | 15 | .008 | ---- | ---- | 156 | UNCH | 1.55 | .50 |
| 2225 | ---- | .80B | .50A | ---- | .85+ | 15 | .008 | ---- | ---- | 329 | UNCH | 1.60 | .50 |
| 2230 | ---- | .85B | .50A | ---- | .90+ | 20 | .009 | ---- | ---- | 86 | UNCH | 1.65 | .50 |
| 2240 | 0.50 | .90B | .50 | ---- | .90+ | 15 | .009 | ---- | 44 | 113 + | 44 | 1.80 | .50A |
| 2250 | 0.90 | .90 | *.50 | ---- | .95+ | 20 | .009 | ---- | 15 | 1064 + | 10 | 1.80 | .50 |
| 2260 | ---- | .95B | .55A | ---- | 1.00+ | 20 | .010 | ---- | 2 | 166 | UNCH | 1.90 | .55A |
| 2270 | 1.00 | 1.00 | .60A | ---- | 1.05+ | 20 | .011 | ---- | 15 | 262 | UNCH | 2.00 | .60 |
| 2275 | ---- | 1.05B | .60A | ---- | 1.10+ | 25 | .011 | ---- | ---- | 172 | UNCH | 2.05 | .60A |
| 2280 | ---- | 1.05B | .60A | ---- | 1.15+ | 30 | .012 | ---- | 7 | 32 - | 3 | 1.95B | .60A |
| 2290 | 0.60 | 1.20 | *.60 | ---- | 1.20+ | 30 | .013 | ---- | 39 | 327 | UNCH | 2.05B | .60 |
| 2300 | 1.20 | 1.20 | *.65A | ---- | 1.25+ | 30 | .013 | ---- | 15 | 1258 | UNCH | 2.15B | .65A |
| 2305 | 1.20 | 1.20 | *.65A | ---- | 1.25+ | 30 | .014 | ---- | 111 | 270 + | 111 | 2.20B | .65A |
| 2310 | 1.25 | 1.25 | .70A | ---- | 1.30+ | 30 | .014 | ---- | 2 | 34 + | 1 | 2.25B | .70A |
| 2315 | 1.20 | 1.30 | *.70A | ---- | 1.35+ | 35 | .015 | ---- | 4 | 69 + | 2 | 2.30B | .70A |
| 2320 | 0.70 | 1.30 | *.70 | ---- | 1.35+ | 35 | .015 | ---- | 24 | 160 + | 23 | 2.35B | .70 |
| 2325 | 1.30 | 1.35B | .75A | ---- | 1.40+ | 35 | .016 | ---- | 234 | 144 + | 122 | 2.40B | .75A |
| 2330 | ---- | 1.35B | .75A | ---- | 1.40+ | 35 | .016 | ---- | ---- | 1039 | UNCH | 2.45B | .75A |
| 2335 | 1.45 | 1.45 | *.75A | ---- | 1.45+ | 35 | .016 | ---- | 11 | 10 | UNCH | 2.55B | .75A |
| 2340 | 1.45 | 1.45 | .80A | ---- | 1.50+ | 40 | .017 | ---- | 106 | 345 + | 73 | 2.70 | .80A |
| 2345 | 1.50 | 1.50 | .80A | ---- | 1.55+ | 40 | .018 | ---- | 7 | 9 - | 1 | 2.65B | .80A |
| 2350 | 1.45 | 1.50B | *.80A | ---- | 1.55+ | 40 | .018 | ---- | 17 | 375 + | 16 | 2.70B | .80A |
| 2355 | ---- | 1.55B | .85A | ---- | 1.60+ | 40 | .019 | ---- | ---- | 128 | UNCH | 2.80B | .85A |
| 2360 | 1.50 | 1.60B | .85A | ---- | 1.65+ | 45 | .019 | ---- | 2 | 37 | UNCH | 2.95 | .85A |
| 2365 | ---- | 1.65B | *.85A | ---- | 1.70+ | 45 | .020 | ---- | 15 | 119 + | 15 | 2.95B | .85A |
| 2370 | ---- | 1.70B | .90A | ---- | 1.75+ | 45 | .021 | ---- | ---- | 1466 | UNCH | 3.10 | .90A |
| 2375 | ---- | 1.75B | *.90A | ---- | 1.80+ | 50 | .022 | ---- | ---- | 2 | UNCH | 3.10B | .90A |
| 2380 | 1.65 | 1.80B | .95A | ---- | 1.85+ | 50 | .022 | ---- | 1 | 108 | UNCH | 3.15B | .95A |
| 2385 | ---- | 1.85B | .95A | ---- | 1.90+ | 50 | .023 | ---- | ---- | 351 | UNCH | 3.40 | .95A |
| 2390 | ---- | 1.90B | 1.00A | ---- | 1.95+ | 55 | .024 | ---- | ---- | 326 | UNCH | 3.35B | 1.00A |
| 2395 | ---- | 1.95B | 1.00A | ---- | 2.00+ | 55 | .025 | ---- | ---- | 135 | UNCH | 3.50 | 1.00A |
| 2400 | 1.75 | 2.00B | *1.00 | ---- | 2.10+ | 60 | .026 | ---- | 1090 | 1388 + | 551 | 3.50B | 1.00 |
| 2405 | ---- | 2.10B | *1.05A | ---- | 2.15+ | 60 | .027 | ---- | ---- | 6 | UNCH | 3.60B | 1.05A |
| 2410 | 1.15 | 2.15B | *1.05A | ---- | 2.20+ | 65 | .028 | ---- | 3 | 244 | UNCH | 3.70 | 1.05A |
| 2415 | ---- | 2.20B | *1.10A | ---- | 2.30+ | 70 | .029 | ---- | ---- | 24 | UNCH | 3.80B | 1.10A |
| 2420 | ---- | 2.30B | 1.15A | ---- | 2.35+ | 70 | .030 | ---- | ---- | 192 | UNCH | 3.90B | 1.15A |
| 2425 | ---- | 2.35B | *1.15A | ---- | 2.45+ | 75 | .032 | ---- | ---- | 40 | UNCH | 4.05B | 1.15A |
| 2430 | 1.25 | 2.45B | *1.15 | ---- | 2.55+ | 80 | .033 | ---- | 1032 | 1290 + | 1030 | 4.15B | 1.15 |
| 2435 | ---- | 2.50B | 1.25A | ---- | 2.60+ | 80 | .034 | ---- | ---- | 231 | UNCH | 4.25B | 1.25A |
| 2440 | ---- | 2.60B | *1.25A | ---- | 2.70+ | 85 | .035 | ---- | ---- | 90 | UNCH | 4.40B | 1.25A |
| 2445 | ---- | 2.70B | 1.30A | ---- | 2.80+ | 90 | .037 | ---- | ---- | 270 | UNCH | 4.50B | 1.30A |
| 2450 | 2.65 | 2.80B | 1.35A | ---- | 2.90+ | 95 | .039 | ---- | 35 | 533 - | 5 | 4.65B | 1.35A |
| 2455 | 2.80 | 2.90B | 1.40A | ---- | 3.00+ | 100 | .040 | ---- | 200 | 201 + | 150 | 4.75B | 1.40A |
| 2460 | 1.95 | 3.00B | 1.45A | ---- | 3.10+ | 100 | .042 | ---- | 8 | 255 - | 8 | 4.90B | 1.45A |
| 2465 | ---- | 3.15B | 1.50A | ---- | 3.20+ | 105 | .043 | ---- | ---- | 170 | UNCH | 5.00 | 1.45A |
| 2470 | ---- | 3.25B | 1.55A | ---- | 3.30+ | 110 | .045 | ---- | ---- | 57 | UNCH | 5.00B | 1.50A |
| 2475 | ---- | 3.35B | 1.55A | ---- | 3.45+ | 115 | .047 | ---- | ---- | 344 | UNCH | 5.25B | 1.55A |
| 2480 | 2.00 | 3.50B | 1.60A | ---- | 3.55+ | 120 | .049 | ---- | 18 | 106 - | 18 | 5.50B | 1.60A |
| 2485 | 2.60 | 3.60B | 1.70 | ---- | 3.70+ | 125 | .052 | ---- | 118 | 189 + | 117 | 5.75 | 1.65A |
| 2490 | 3.20 | 3.75B | 1.75A | ---- | 3.85+ | 130 | .054 | ---- | 265 | 492 + | 125 | 5.75B | 1.65A |
| 2495 | ---- | 3.90B | 1.80A | ---- | 4.00+ | 140 | .056 | ---- | 15 | 663 | UNCH | 6.00B | 1.70A |
| 2500 | 4.30 | 4.40 | 1.85A | ---- | 4.15+ | 145 | .059 | ---- | 1355 | 724 + | 40 | 6.75 | 1.75A |
| 2505 | 3.75 | 4.25B | 1.90A | ---- | 4.30+ | 150 | .062 | ---- | 20 | 283 + | 20 | 6.50B | 1.80A |
| 2510 | ---- | 4.45B | 2.00A | ---- | 4.45+ | 155 | .064 | ---- | ---- | 89 | UNCH | 6.75B | 1.90A |
| 2515 | 4.85 | 4.85 | 2.05A | ---- | 4.65+ | 160 | .067 | ---- | 468 | 746 + | 151 | 6.75 | 1.95A |
| 2520 | ---- | 4.85B | 2.15A | ---- | 4.85+ | 170 | .071 | ---- | ---- | 164 | UNCH | 7.00B | 2.00A |
| 2525 | 5.00 | 5.00 | 2.20A | ---- | 5.00+ | 170 | .074 | ---- | 1 | 138 + | 1 | 7.75 | 2.05A |
| 2530 | 4.50 | 5.25B | 2.30A | ---- | 5.30+ | 190 | .078 | ---- | 2 | 277 | UNCH | 7.50 | 2.15A |
| 2535 | 4.95 | 5.50B | 2.40A | ---- | 5.50+ | 195 | .082 | ---- | 2 | 320 | UNCH | 8.00B | 2.20A |
| 2540 | 4.80 | 5.75B | 2.50A | ---- | 5.70+ | 200 | .085 | ---- | 55 | 127 + | 55 | 8.25B | 2.30A |
| 2545 | 2.75 | 6.00B | 2.60A | ---- | 6.00+ | 215 | .090 | ---- | 20 | 65 + | 14 | 8.50B | 2.35A |
| 2550 | 4.10 | 6.25B | 2.70A | ---- | 6.30+ | 230 | .095 | ---- | 226 | 988 + | 138 | 8.75B | 2.45A |
| 2555 | 4.25 | 6.50B | 2.80A | ---- | 6.60+ | 240 | .100 | ---- | 55 | 261 | UNCH | 9.25B | 2.50A |
| 2560 | 6.50 | 6.75B | 2.90A | ---- | 6.90+ | 250 | .105 | ---- | 293 | 470 + | 115 | 9.50B | 2.60A |
| 2565 | 5.50 | 7.75 | 3.05A | ---- | 7.20+ | 260 | .110 | ---- | 143 | 405 + | 143 | 10.00B | 2.65A |
| 2570 | 6.25 | 7.50B | 3.20A | ---- | 7.60+ | 280 | .116 | ---- | 151 | 405 + | 112 | 10.50B | 2.75A |
| 2575 | 5.75 | 8.00B | 3.35A | ---- | 8.00+ | 300 | .123 | ---- | 11 | 486 + | 11 | 11.00 | 2.85A |
| 2580 | 5.25 | 8.25B | 3.50A | ---- | 8.40+ | 310 | .129 | ---- | 216 | 438 + | 187 | 11.25B | 2.95A |
| 2585 | 6.50 | 8.75B | 3.65A | ---- | 8.80+ | 320 | .136 | ---- | 52 | 288 + | 52 | 11.75B | 3.00A |
| 2590 | 6.50 | 9.25B | 3.80A | ---- | 9.30+ | 350 | .144 | ---- | 23 | 439 - | 6 | 12.25 | 3.10A |
| 2595 | 7.00 | 9.75B | 4.00A | ---- | 9.80+ | 370 | .152 | ---- | 71 | 565 - | 20 | 12.75 | 3.20A |
| 2600 | 7.75 | 10.75 | 4.15 | ---- | 10.30+ | 380 | .160 | ---- | 99 | 2573 + | 34 | 13.25B | 3.30A |
| 2605 | 5.75 | 10.75B | 4.40A | ---- | 10.90+ | 410 | .169 | ---- | 158 | 403 + | 3 | 14.00B | 3.45A |
| 2610 | 6.75 | 11.25B | 4.60A | ---- | 11.50+ | 430 | .179 | ---- | 140 | 466 + | 63 | 15.00 | 3.55A |
| 2615 | 6.75 | 12.00B | 4.85A | ---- | 12.10+ | 460 | .188 | ---- | 187 | 215 + | 114 | 15.25B | 3.60A |
| 2620 | 9.25 | 13.00 | 5.25A | ---- | 12.80+ | 490 | .199 | ---- | 72 | 611 + | 16 | 17.00 | 3.80A |
| 2625 | 7.50 | 13.25 | 5.50A | ---- | 13.50+ | 510 | .210 | ---- | 333 | 987 + | 222 | 16.75B | 3.90A |
| 2630 | 8.00 | 14.00B | 5.75A | ---- | 14.30+ | 550 | .222 | ---- | 46 | 742 + | 7 | 18.25 | 4.05A |
| 2635 | 8.50 | 14.75B | 6.00A | ---- | 15.10+ | 580 | .235 | ---- | 71 | 254 + | 19 | 18.25B | 4.20A |
| 2640 | 8.00 | 15.75B | 6.50A | ---- | 16.00+ | 620 | .248 | ---- | 102 | 641 + | 44 | 19.25B | 4.40A |
| 2645 | 7.50 | 16.75B | 6.75A | ---- | 16.90+ | 650 | .262 | ---- | 22 | 312 + | 10 | 20.25B | 4.55A |
| 2650 | 12.00 | 17.75 | 7.25A | ---- | 17.90+ | 690 | .277 | ---- | 367 | 2249 - | 46 | 22.50 | 4.75A |
| 2655 | 10.75 | 18.75B | 7.75A | ---- | 18.90+ | 730 | .292 | ---- | 62 | 444 - | 35 | 22.25B | 5.00A |
| 2660 | 19.50 | 19.75B | 8.00A | ---- | 20.00+ | 770 | .308 | ---- | 92 | 342 - | 24 | 23.25B | 5.25A |
| 2665 | 17.00 | 21.75 | 8.75A | ---- | 21.20+ | 810 | .326 | ---- | 120 | 405 + | 69 | 25.50 | 5.50A |
| 2670 | 13.00 | 23.00 | 9.25A | ---- | 22.40+ | 850 | .343 | ---- | 326 | 785 + | 147 | 25.50B | 5.75A |
| 2675 | 14.00 | 24.50 | 9.75A | ---- | 23.80+ | 900 | .363 | ---- | 1246 | 1689 + | 254 | 27.00B | 6.25A |
| 2680 | 17.75 | 26.50 | 10.50A | ---- | 25.20+ | 940 | .382 | ---- | 220 | 261 + | 129 | 28.25B | 6.50A |
| 2685 | 23.75 | 26.50B | 11.00A | ---- | 26.70+ | 990 | .403 | ---- | 409 | 376 + | 180 | 29.75B | 6.75A |
| 2690 | 12.25 | 29.75 | 11.75A | ---- | 28.30+ | 1040 | .424 | ---- | 186 | 1398 + | 141 | 31.25B | 7.00A |
| 2695 | 14.00 | 29.75B | 12.75A | ---- | 30.00+ | 1100 | .447 | ---- | 272 | 395 + | 42 | 32.75B | 7.50A |
| 2700 | 21.00 | 31.75 | 13.50A | ---- | 31.80+ | 1150 | .470 | ---- | 1257 | 2450 + | 318 | 35.00 | 8.00A |
| 2705 | 16.50 | 34.00 | 14.50A | ---- | 33.70+ | 1210 | .494 | ---- | 127 | 376 + | 125 | 37.00 | 8.50A |
| 2710 | 29.00 | 37.50 | 15.50A | ---- | 35.60+ | 1250 | .519 | ---- | 160 | 714 + | 3 | 39.25 | 8.75A |
| 2715 | 31.25 | 37.25B | 16.50A | ---- | 37.70+ | 1310 | .545 | ---- | 60 | 635 - | 28 | 40.25B | 9.50A |
| 2720 | 23.75 | 39.75B | 17.75A | ---- | 39.90+ | 1360 | .571 | ---- | 187 | 1293 + | 75 | 42.50B | 10.00A |
| 2725 | 28.75 | 43.00 | 19.00A | ---- | 42.30+ | 1430 | .598 | ---- | 680 | 1639 + | 254 | 44.50B | 10.50A |
| 2730 | 30.50 | 44.50B | 20.50A | ---- | 44.90+ | 1500 | .626 | ---- | 171 | 755 + | 25 | 47.00B | 11.25A |
| 2735 | ---- | 47.25B | 22.00A | ---- | 47.70+ | 1590 | .653 | ---- | 3 | 345 | UNCH | 49.50B | 12.00A |
| 2740 | 34.00 | 50.25B | 23.50A | ---- | 50.60+ | 1670 | .681 | ---- | 28 | 634 - | 4 | 52.00B | 12.75A |
| 2745 | ---- | 53.25B | 25.25A | ---- | 53.60+ | 1750 | .708 | ---- | 1 | 326 - | 1 | 55.00B | 13.75A |
| 2750 | 38.00 | 56.50B | 27.25A | ---- | 56.80+ | 1820 | .735 | ---- | 2 | 1220 | UNCH | 57.75B | 14.75A |
| 2755 | 58.25 | 59.75B | 29.25A | ---- | 60.10+ | 1880 | .763 | ---- | 12 | 423 - | 4 | 61.00B | 15.75A |
| 2760 | ---- | 63.25B | 31.50A | ---- | 63.60+ | 1940 | .789 | ---- | ---- | 674 | UNCH | 64.25B | 16.75A |
| 2765 | ---- | 67.00B | 34.00A | ---- | 67.20+ | 1980 | .813 | ---- | ---- | 743 | UNCH | 70.25 | 18.00A |
| 2770 | ---- | 70.75B | 36.75A | ---- | 71.10+ | 2050 | .837 | ---- | ---- | 408 | UNCH | 71.25B | 19.50A |
| 2775 | ---- | 74.75B | 39.50A | ---- | 75.00+ | 2090 | .858 | ---- | 1 | 577 - | 1 | 75.00B | 21.00A |
| 2780 | 45.25 | 78.00B | 42.50A | ---- | 79.10+ | 2140 | .878 | ---- | 5 | 668 | UNCH | 78.75B | 22.50A |
| 2785 | ---- | #82.25B | 45.75A | ---- | 83.40+ | 2190 | .897 | ---- | ---- | 407 | UNCH | 82.25B | 24.25A |
| 2790 | ---- | #86.50B | 49.25A | ---- | 87.70+ | 2210 | .913 | ---- | ---- | 562 | UNCH | 86.50B | 26.00A |
| 2795 | ---- | #91.00B | 53.00A | ---- | 92.20+ | 2240 | .927 | ---- | ---- | 137 | UNCH | 91.00B | 28.00 |
| 2800 | 85.00 | 95.50B | 57.00A | ---- | 96.80+ | 2270 | .940 | ---- | 1 | 63 - | 1 | 98.75 | 30.25A |
| 2805 | ---- | #100.25B | 62.00A | ---- | 101.40+ | 2280 | .950 | ---- | ---- | 3 | UNCH | 100.25B | 32.50A |
| 2810 | ---- | #105.00B | 66.25A | ---- | 106.10+ | 2290 | .960 | ---- | ---- | 2 | UNCH | 105.00B | 35.00A |
| 2815 | ---- | #109.75B | 71.75A | ---- | 110.90+ | 2310 | .966 | ---- | ---- | 4 | UNCH | 109.75B | 37.75A |
| 2820 | ---- | #114.50B | 76.25A | ---- | 115.70+ | 2310 | .973 | ---- | ---- | 4 | UNCH | 114.50B | 40.50A |
| 2825 | ---- | #119.25B | 81.00A | ---- | 120.60+ | 2330 | .978 | ---- | ---- | 8 | UNCH | 119.25B | 43.50A |
| 2830 | ---- | #122.00B | 85.75A | ---- | 125.40+ | 2320 | .982 | ---- | ---- | 5 | UNCH | 122.00B | 46.75A |
| 2840 | ---- | #131.75B | 96.75A | ---- | 135.30+ | 2340 | .988 | ---- | ---- | 1 | UNCH | 131.75B | 53.75A |
| 2850 | ---- | #141.75B | ---- | ---- | 145.20+ | 2340 | .991 | ---- | ---- | 1 | UNCH | 141.75B | 61.50A |
| TOTAL | | | | | | | | | 14338 | 62870 + | 6002 | | |

WK EW-W4 E-MINI S&P PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW4 MINI S&P P | | | | | | | | | | | | | |
| JUL18 | EOW4 MINI S&P P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1425 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 15 | UNCH | .20 | .20 |
| 1500 | ---- | ---- | .15A | ---- | .20 | UNCH | .001 | ---- | ---- | 25 | UNCH | .25B | .15A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1525 | ---- | ---- | ---- | ---- | .20 | UNCH | .001 | ---- | ---- | 20 | UNCH | .25B | .15 |
| 1575 | ---- | ---- | ---- | ---- | .25+ | 5 | .001 | ---- | ---- | 70 | UNCH | .40 | .15A |
| 1600 | ---- | ---- | ---- | ---- | .30+ | 10 | .001 | ---- | ---- | 148 | UNCH | .45 | .15A |
| 1650 | ---- | ---- | ---- | ---- | .35+ | 10 | .002 | ---- | ---- | 144 | UNCH | .50 | .20A |
| 1675 | ---- | ---- | ---- | ---- | .35+ | 10 | .002 | ---- | ---- | 144 | UNCH | .55 | .25A |
| 1700 | ---- | ---- | .25A | ---- | .40+ | 10 | .002 | ---- | ---- | 100 | UNCH | .60 | .25A |
| 1730 | ---- | .35B | ---- | ---- | .40+ | 10 | .002 | ---- | ---- | 100 | UNCH | .55B | .25A |
| 1750 | 0.30 | .35B | .30 | ---- | .45+ | NEW | .002 | ---- | 1 | 1 + | 1 | .55B | .30A |
| 1770 | ---- | .40B | .30A | ---- | .45+ | 10 | .002 | ---- | ---- | 100 | UNCH | .70 | .30A |
| 1810 | ---- | .50B | .35A | ---- | .50+ | 10 | .003 | ---- | ---- | 1 | UNCH | .70B | .35A |
| 1820 | 0.40 | .50B | .35A | ---- | .55+ | NEW | .003 | ---- | 94 | 94 + | 94 | .70B | .35A |
| 1870 | ---- | .60B | .40A | ---- | .65+ | 15 | .004 | ---- | ---- | 3 | UNCH | .85B | .40A |
| 1880 | ---- | .60B | .45A | ---- | .65+ | 15 | .004 | ---- | ---- | 10 | UNCH | .90B | .40A |
| 1920 | ---- | .70B | .50A | ---- | .75+ | 20 | .005 | ---- | ---- | 68 | UNCH | 1.10 | .45A |
| 1925 | 0.60 | .70B | .50A | ---- | .75+ | NEW | .005 | ---- | 1 | 1 + | 1 | 1.05B | .45A |
| 1940 | ---- | .75B | .50A | ---- | .80+ | 20 | .005 | ---- | ---- | 30 | UNCH | 1.15B | .45A |
| 1950 | ---- | .75B | .55A | ---- | .85+ | 25 | .006 | ---- | ---- | 1 | UNCH | 1.20B | .50A |
| 1990 | ---- | .90B | .60A | ---- | 1.00+ | 25 | .007 | ---- | ---- | 1 | UNCH | 1.35B | .55A |
| 2000 | ---- | .95B | .65A | ---- | 1.00+ | 25 | .007 | ---- | ---- | 5 | UNCH | 1.45B | .55A |
| 2030 | ---- | 1.05B | .70A | ---- | 1.10+ | 25 | .008 | ---- | ---- | 1 | UNCH | 1.60B | .60A |
| 2040 | ---- | 1.10B | .70A | ---- | 1.15+ | 25 | .008 | ---- | ---- | 11 | UNCH | 1.65B | .60A |
| 2050 | ---- | 1.10B | .75A | ---- | 1.20+ | 25 | .009 | ---- | ---- | 11 | UNCH | 1.70B | .65A |
| 2060 | ---- | 1.15B | .75A | ---- | 1.20+ | 25 | .009 | ---- | ---- | 6 | UNCH | 1.80B | .65A |
| 2075 | ---- | 1.25B | .80A | ---- | 1.30+ | 30 | .010 | ---- | ---- | 1 | UNCH | 1.90B | .70A |
| 2080 | ---- | 1.25B | .80A | ---- | 1.30+ | 25 | .010 | ---- | ---- | 2 | UNCH | 1.95B | .70A |
| 2090 | ---- | 1.30B | .85A | ---- | 1.35+ | 30 | .010 | ---- | ---- | 1 | UNCH | 2.00B | .75A |
| 2100 | ---- | 1.35B | .90A | ---- | 1.40+ | 30 | .011 | ---- | ---- | 1750 | UNCH | 2.10B | .70A |
| 2110 | ---- | 1.40B | .90A | ---- | 1.50+ | 35 | .012 | ---- | ---- | 10 | UNCH | 2.15B | .80A |
| 2120 | ---- | 1.45B | .95A | ---- | 1.55+ | 40 | .012 | ---- | ---- | 13 | UNCH | 2.25B | .80A |
| 2125 | ---- | 1.50B | .95A | ---- | 1.55+ | 35 | .012 | ---- | ---- | 3 | UNCH | 2.25B | .80A |
| 2140 | ---- | 1.55B | 1.00A | ---- | 1.65+ | 40 | .013 | ---- | ---- | 10 | UNCH | 2.40B | .85 |
| 2150 | ---- | 1.65B | 1.05A | ---- | 1.70+ | 40 | .014 | ---- | ---- | 2 | UNCH | 2.50B | .90A |
| 2160 | ---- | 1.70B | 1.10A | ---- | 1.75+ | 40 | .014 | ---- | ---- | 2 | UNCH | 2.60B | .90A |
| 2170 | ---- | 1.75B | 1.10A | ---- | 1.80+ | 40 | .015 | ---- | ---- | 170 | UNCH | 2.70B | .95A |
| 2175 | ---- | 1.80B | 1.15A | ---- | 1.85+ | 40 | .015 | ---- | ---- | 461 | UNCH | 2.75B | .95A |
| 2180 | ---- | 1.85B | 1.15A | ---- | 1.90+ | 45 | .016 | ---- | ---- | 1 | UNCH | 2.80B | .95A |
| 2190 | ---- | 1.90B | 1.20A | ---- | 1.95+ | 45 | .017 | ---- | ---- | 100 | UNCH | 2.90B | 1.00A |
| 2200 | 1.95 | 2.00B | 1.25A | ---- | 2.05+ | 50 | .018 | ---- | 3 | 392 + | 3 | 3.00B | 1.05A |
| 2225 | 1.50 | 2.20B | 1.35A | ---- | 2.25+ | 55 | .020 | ---- | 5 | 15 + | 5 | 3.30B | 1.10A |
| 2230 | ---- | 2.25B | 1.40A | ---- | 2.30+ | 55 | .020 | ---- | ---- | 1 | UNCH | 3.40B | 1.15A |
| 2240 | ---- | 2.35B | 1.45A | ---- | 2.40+ | 60 | .021 | ---- | ---- | 19 | UNCH | 3.50B | 1.15A |
| 2250 | 1.75 | 2.45B | 1.50A | ---- | 2.50+ | 60 | .022 | ---- | 7 | 129 | UNCH | 3.65B | 1.20A |
| 2260 | ---- | 2.55B | 1.55A | ---- | 2.60+ | 65 | .024 | ---- | ---- | 3 | UNCH | 3.80B | 1.25A |
| 2270 | ---- | 2.65B | 1.60A | ---- | 2.70+ | 65 | .025 | ---- | ---- | 57 | UNCH | 3.95B | 1.30A |
| 2275 | ---- | 2.70B | 1.65A | ---- | 2.80+ | 70 | .026 | ---- | ---- | 34 | UNCH | 4.05B | 1.35A |
| 2280 | ---- | 2.75B | 1.70A | ---- | 2.85+ | 75 | .026 | ---- | 5 | 35 | UNCH | 4.15B | 1.35A |
| 2290 | ---- | 2.90B | 1.75A | ---- | 2.95+ | 75 | .028 | ---- | ---- | 6 | UNCH | 4.30B | 1.40A |
| 2300 | ---- | 3.00B | 1.85A | ---- | 3.10+ | 80 | .029 | ---- | ---- | 259 | UNCH | 4.50B | 1.45 |
| 2305 | 2.80 | 3.10B | 1.85A | ---- | 3.15+ | 80 | .030 | ---- | 100 | 116 + | 100 | 4.60B | 1.50A |
| 2310 | ---- | 3.15B | 1.90A | ---- | 3.20+ | 80 | .031 | ---- | ---- | 5 | UNCH | 4.70B | 1.55A |
| 2315 | 3.00 | 3.25B | 1.95A | ---- | 3.30+ | 85 | .032 | ---- | 100 | 128 + | 100 | 4.80B | 1.55A |
| 2320 | ---- | 3.30B | 2.00A | ---- | 3.35+ | 85 | .032 | ---- | ---- | 334 | UNCH | 4.90B | 1.60A |
| 2325 | ---- | 3.40B | 2.05A | ---- | 3.45+ | 85 | .033 | ---- | ---- | 101 | UNCH | 5.00B | 1.65A |
| 2330 | ---- | 3.45B | 2.05A | ---- | 3.55+ | 90 | .034 | ---- | ---- | 32 | UNCH | 5.00B | 1.65A |
| 2335 | ---- | 3.55B | 2.10A | ---- | 3.60+ | 90 | .035 | ---- | ---- | 1 | UNCH | 5.00B | 1.70A |
| 2340 | ---- | 3.65B | 2.15A | ---- | 3.70+ | 95 | .036 | ---- | ---- | 7 | UNCH | 5.25B | 1.75A |
| 2345 | 3.20 | 3.75B | 2.20A | ---- | 3.80+ | 95 | .037 | ---- | 24 | 145 + | 24 | 5.25B | 1.75 |
| 2350 | 3.80 | 3.80 | 2.25A | ---- | 3.90+ | 100 | .039 | ---- | 121 | 322 - | 5 | 5.75 | 1.80A |
| 2355 | ---- | 3.90B | 2.30A | ---- | 4.00+ | 105 | .040 | ---- | ---- | 11 | UNCH | 5.50B | 1.85A |
| 2360 | ---- | 4.00B | 2.35A | ---- | 4.10+ | 105 | .041 | ---- | ---- | 403 | UNCH | 5.75B | 1.90A |
| 2365 | ---- | 4.10B | 2.40A | ---- | 4.20+ | 110 | .042 | ---- | ---- | 12 | UNCH | 5.75B | 1.95A |
| 2370 | ---- | 4.25B | 2.45A | ---- | 4.30+ | 115 | .043 | ---- | ---- | 6 | UNCH | 6.00B | 1.95A |
| 2375 | ---- | 4.35B | 2.50A | ---- | 4.40+ | 115 | .045 | ---- | ---- | 6 | UNCH | 6.25B | 2.00A |
| 2380 | 2.60 | 4.45B | 2.55A | ---- | 4.50+ | 120 | .046 | ---- | 71 | 93 + | 71 | 6.25B | 2.05A |
| 2385 | 4.00 | 4.55B | 2.60A | ---- | 4.65+ | 125 | .048 | ---- | 100 | 182 + | 100 | 6.50B | 2.10A |
| 2390 | 3.65 | 4.70B | 2.65A | ---- | 4.75+ | 125 | .049 | ---- | 5 | 15 + | 5 | 6.50B | 2.15A |
| 2395 | 3.50 | 4.85B | 2.75A | ---- | 4.90+ | 135 | .051 | ---- | 1 | 91 | UNCH | 6.75B | 2.20A |
| 2400 | ---- | 4.95B | 2.75A | ---- | 5.00+ | 135 | .052 | ---- | 7 | 189 + | 2 | 7.00B | 2.25A |
| 2405 | 3.45 | 5.00B | 2.85A | ---- | 5.20+ | 145 | .054 | ---- | 30 | 57 | UNCH | 7.25 | 2.30 |
| 2410 | ---- | 5.25B | 2.95A | ---- | 5.30+ | 145 | .055 | ---- | 7 | 111 + | 6 | 7.25B | 2.40A |
| 2415 | ---- | 5.25B | 3.00A | ---- | 5.50+ | 155 | .058 | ---- | ---- | 71 | UNCH | 7.50B | 2.45A |
| 2420 | 3.80 | 5.50B | 3.10A | ---- | 5.60+ | 155 | .059 | ---- | 10 | 50 + | 9 | 7.50B | 2.50A |
| 2425 | 3.30 | 5.50B | 3.15A | ---- | 5.80+ | 160 | .061 | ---- | 6 | 114 + | 5 | 7.75B | 2.55A |
| 2430 | 3.35 | 6.00 | 3.20A | ---- | 6.00+ | 170 | .063 | ---- | 65 | 296 + | 5 | 8.00B | 2.65A |
| 2435 | 3.50 | 6.00B | 3.35A | ---- | 6.10+ | 165 | .065 | ---- | 7 | 57 | UNCH | 8.25B | 2.70A |
| 2440 | 4.55 | 6.50 | 3.45A | ---- | 6.30+ | 175 | .067 | ---- | 13 | 131 + | 8 | 8.75 | 2.75A |
| 2445 | 3.65 | 6.50B | 3.55A | ---- | 6.50+ | 180 | .070 | ---- | 6 | 97 + | 6 | 8.75B | 2.85A |
| 2450 | 4.55 | 6.50B | 3.65A | ---- | 6.60+ | 175 | .071 | ---- | 34 | 91 - | 30 | 8.75B | 2.90A |
| 2455 | 4.05 | 6.75B | 3.75A | ---- | 6.80+ | 180 | .074 | ---- | 13 | 56 + | 11 | 9.00B | 3.00A |
| 2460 | 4.45 | 7.00B | 3.85A | ---- | 7.00+ | 190 | .076 | ---- | 2 | 117 | UNCH | 9.25 | 3.05A |
| 2465 | 4.75 | 7.25B | 3.95A | ---- | 7.30+ | 200 | .080 | ---- | 4 | 221 + | 1 | 9.50B | 3.15A |
| 2470 | 4.70 | 7.50 | 4.05A | ---- | 7.50+ | 210 | .082 | ---- | 163 | 186 + | 35 | 10.50 | 3.20A |
| 2475 | 6.75 | 7.75B | 4.10A | ---- | 7.70+ | 210 | .085 | ---- | 63 | 198 + | 63 | 10.25B | 3.30A |
| 2480 | 4.35 | 8.00B | 4.30A | ---- | 8.00+ | 230 | .088 | ---- | 10 | 77 + | 10 | 10.75 | 3.40A |
| 2485 | 4.45 | 8.50 | 4.35A | ---- | 8.30+ | 240 | .092 | ---- | 33 | 59 + | 32 | 10.75B | 3.45A |
| 2490 | 4.60 | 8.50B | 4.55A | ---- | 8.50+ | 240 | .094 | ---- | 11 | 28 + | 8 | 11.00B | 3.55A |
| 2495 | 7.25 | 9.25 | 4.70A | ---- | 8.80+ | 250 | .098 | ---- | 6 | 70 + | 1 | 11.25B | 3.65A |
| 2500 | 5.25 | 9.00 | 4.80A | ---- | 9.10+ | 260 | .102 | ---- | 107 | 449 + | 2 | 11.75B | 3.70 |
| 2505 | 5.75 | 9.50 | 5.00A | ---- | 9.40+ | 270 | .105 | ---- | 68 | 79 + | 66 | 12.00B | 3.80A |
| 2510 | 6.00 | 9.75B | 5.25A | ---- | 9.70+ | 280 | .109 | ---- | 147 | 102 + | 96 | 12.25B | 3.90A |
| 2515 | 10.00 | 10.00 | 5.50A | ---- | 10.00+ | 280 | .113 | ---- | 36 | 505 | UNCH | 12.75B | 4.00A |
| 2520 | 6.50 | 10.50B | 5.50A | ---- | 10.30+ | 290 | .117 | ---- | 64 | 369 + | 6 | 13.00B | 4.10A |
| 2525 | 6.75 | 10.75B | 5.75A | ---- | 10.70+ | 300 | .121 | ---- | 140 | 137 + | 89 | 14.25 | 4.20A |
| 2530 | 8.00 | 11.25B | 6.00A | ---- | 11.00+ | 310 | .126 | ---- | 218 | 254 + | 123 | 14.25 | 4.30A |
| 2535 | 10.00 | 11.50B | 6.25A | ---- | 11.40+ | 320 | .130 | ---- | 3 | 165 - | 1 | 14.25B | 4.45A |
| 2540 | 8.50 | 12.00 | 6.25A | ---- | 11.80+ | 330 | .135 | ---- | 14 | 206 | UNCH | 14.75B | 4.55 |
| 2545 | 6.50 | 12.25B | 6.50 | ---- | 12.30+ | 350 | .141 | ---- | 61 | 50 - | 2 | 15.25B | 4.70A |
| 2550 | 9.50 | 12.75B | 6.75A | ---- | 12.70+ | 360 | .146 | ---- | 147 | 379 + | 41 | 15.75B | 4.80A |
| 2555 | 8.25 | 13.25B | 7.00A | ---- | 13.20+ | 380 | .152 | ---- | 8 | 33 + | 3 | 16.25B | 4.95A |
| 2560 | 8.75 | 13.75B | 7.25A | ---- | 13.70+ | 400 | .158 | ---- | 223 | 247 + | 199 | 16.75 | 5.25A |
| 2565 | 8.75 | 14.25B | 7.50A | ---- | 14.30+ | 430 | .165 | ---- | 116 | 27 - | 36 | 17.25B | 5.25A |
| 2570 | 8.50 | 14.75B | 7.75A | ---- | 14.80+ | 440 | .171 | ---- | 57 | 208 + | 10 | 17.75B | 5.50A |
| 2575 | 9.75 | 15.25B | 8.00A | ---- | 15.40+ | 460 | .178 | ---- | 5 | 89 - | 5 | 18.25B | 5.75A |
| 2580 | 9.75 | 15.75B | 8.25A | ---- | 15.90+ | 480 | .184 | ---- | 33 | 100 + | 17 | 19.50 | 5.75A |
| 2585 | 10.00 | 16.50 | 8.75A | ---- | 16.50+ | 500 | .192 | ---- | 49 | 59 + | 11 | 19.50B | 6.00A |
| 2590 | 9.75 | 17.00B | 9.00A | ---- | 17.10+ | 510 | .199 | ---- | 44 | 90 + | 34 | 20.50 | 6.25A |
| 2595 | 11.25 | 17.75B | 9.25A | ---- | 17.80+ | 540 | .207 | ---- | 23 | 56 + | 23 | 20.75B | 6.25A |
| 2600 | 10.00 | 18.25B | 9.50A | ---- | 18.50+ | 560 | .216 | ---- | 38 | 2431 + | 9 | 22.50 | 6.50 |
| 2605 | 13.75 | 19.00B | 10.00A | ---- | 19.20+ | 580 | .224 | ---- | 43 | 235 - | 20 | 22.25B | 6.75A |
| 2610 | 11.00 | 19.75B | 10.25A | ---- | 19.90+ | 600 | .233 | ---- | 4 | 327 | UNCH | 23.00B | 7.00A |
| 2615 | 14.75 | 20.50B | 10.75A | ---- | 20.70+ | 620 | .242 | ---- | 24 | 160 + | 8 | 24.00B | 7.25A |
| 2620 | 13.00 | 21.50B | 11.25A | ---- | 21.60+ | 650 | .252 | ---- | 88 | 527 + | 28 | 25.50 | 7.50A |
| 2625 | 15.75 | 23.25 | 11.75A | ---- | 22.40+ | 670 | .262 | ---- | 236 | 441 + | 188 | 25.50B | 7.75A |
| 2630 | 21.25 | 23.25B | 12.25A | ---- | 23.30+ | 690 | .273 | ---- | 174 | 326 + | 112 | 26.50B | 8.00A |
| 2635 | 13.75 | 24.25B | 12.75A | ---- | 24.30+ | 720 | .284 | ---- | 232 | 457 + | 128 | 27.50 | 8.25A |
| 2640 | 15.50 | 25.25B | 13.25A | ---- | 25.30+ | 750 | .295 | ---- | 60 | 314 + | 60 | 28.50B | 8.50A |
| 2645 | 17.75 | 26.25B | 13.75A | ---- | 26.40+ | 780 | .308 | ---- | 16 | 86 + | 13 | 29.50B | 8.75A |
| 2650 | 17.75 | 27.50B | 14.25A | ---- | 27.50+ | 810 | .320 | ---- | 152 | 840 - | 31 | 30.75B | 9.25A |
| 2655 | 20.25 | 28.50B | 15.00A | ---- | 28.70+ | 850 | .333 | ---- | 20 | 208 - | 17 | 31.75 | 9.50A |
| 2660 | 17.25 | 29.75B | 15.50A | ---- | 29.90+ | 880 | .347 | ---- | 32 | 83 + | 10 | 33.00B | 10.00A |
| 2665 | 26.75 | 31.00B | 16.25A | ---- | 31.20+ | 920 | .361 | ---- | 2 | 204 + | 1 | 34.25B | 10.25A |
| 2670 | 23.00 | 32.25B | 17.00A | ---- | 32.50+ | 950 | .375 | ---- | 6 | 253 + | 4 | 35.50B | 10.75A |
| 2675 | 19.25 | 34.75 | 17.75A | ---- | 34.00+ | 1000 | .390 | ---- | 369 | 583 - | 40 | 37.00B | 11.25A |
| 2680 | ---- | 35.25B | 18.50A | ---- | 35.40+ | 1030 | .406 | ---- | ---- | 335 | UNCH | 38.50B | 11.50A |
| 2685 | ---- | 36.75B | 19.50A | ---- | 37.00+ | 1070 | .422 | ---- | ---- | 106 | UNCH | 39.75B | 12.00A |
| 2690 | 28.25 | 38.25B | 20.50A | ---- | 38.50+ | 1100 | .439 | ---- | 4 | 312 + | 2 | 41.50B | 12.50A |
| 2695 | 28.50 | 40.00B | 21.25A | ---- | 40.20+ | 1140 | .456 | ---- | 3 | 230 - | 3 | 43.00B | 13.25A |
| 2700 | 24.25 | 41.75B | 22.25A | ---- | 41.90+ | 1180 | .474 | ---- | 556 | 1068 + | 239 | 44.75B | 13.75A |
| 2705 | 30.00 | 44.25 | 23.50A | ---- | 43.70+ | 1220 | .492 | ---- | 116 | 256 + | 19 | 46.50B | 14.50A |
| 2710 | 44.00 | 45.50B | 24.50A | ---- | 45.60+ | 1270 | .511 | ---- | 663 | 1327 + | 281 | 48.25B | 15.00A |
| 2715 | 28.75 | 47.25B | 25.75A | ---- | 47.60+ | 1310 | .530 | ---- | 49 | 168 + | 24 | 50.25B | 15.75A |
| 2720 | 35.75 | 49.25B | 27.00A | ---- | 49.70+ | 1370 | .550 | ---- | 126 | 507 + | 22 | 52.25B | 16.50A |
| 2725 | 37.75 | 51.50B | 28.50A | ---- | 51.90+ | 1430 | .571 | ---- | 17 | 265 - | 7 | 54.25B | 17.25A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2730 | 38.75 | 53.75B | 30.00A | ---- | 54.20+ | 1490 | .592 | ---- | 27 | 141 + | 12 | 56.50B | 18.25A |
| 2735 | 37.25 | 56.25B | 31.50A | ---- | 56.60+ | 1540 | .613 | ---- | 9 | 763 + | 8 | 58.75B | 19.00A |
| 2740 | 35.75 | 58.75B | 33.00A | ---- | 59.20+ | 1590 | .634 | ---- | 29 | 212 + | 29 | 60.75B | 20.00A |
| 2745 | 36.00 | 61.50B | 34.75A | ---- | 61.90+ | 1640 | .656 | ---- | 1 | 106 | UNCH | 63.25B | 21.00A |
| 2750 | ---- | 64.25B | 36.75A | ---- | 64.70+ | 1700 | .678 | ---- | 15 | 312 + | 14 | 66.00B | 22.25A |
| 2755 | ---- | 67.25B | 38.50A | ---- | 67.60+ | 1750 | .700 | ---- | 1 | 188 + | 1 | 68.75B | 23.25A |
| 2760 | 70.00 | 70.25B | 40.75A | ---- | 70.70+ | 1810 | .722 | ---- | 2 | 373 | UNCH | 71.50B | 24.50A |
| 2765 | 42.50 | 73.50B | 42.50 | ---- | 73.90+ | 1860 | .743 | ---- | 2 | 95 | UNCH | 74.50B | 26.00A |
| 2770 | ---- | 76.75B | 45.25A | ---- | 77.20+ | 1910 | .765 | ---- | ---- | 158 | UNCH | 77.75B | 27.50A |
| 2775 | ---- | 80.25B | 48.00A | ---- | 80.70+ | 1960 | .785 | ---- | ---- | 192 | UNCH | 81.00B | 29.00A |
| 2780 | ---- | 84.00B | 50.50A | ---- | 84.30+ | 2000 | .806 | ---- | ---- | 106 | UNCH | 84.50B | 30.75A |
| 2785 | 60.50 | 87.75B | 53.25A | ---- | 88.10+ | 2050 | .824 | ---- | 1 | 169 - | 1 | 88.00B | 32.25A |
| 2790 | ---- | 91.50B | 56.25A | ---- | 91.90+ | 2080 | .842 | ---- | ---- | 129 | UNCH | 91.50B | 34.00A |
| 2795 | ---- | 94.75B | 59.50A | ---- | 95.90+ | 2120 | .859 | ---- | ---- | 2 | UNCH | 95.50B | 36.00A |
| 2800 | 91.00 | 99.00B | 62.75A | ---- | 100.10+ | 2160 | .876 | ---- | 1 | 147 - | 1 | 99.25B | 38.25A |
| 2805 | ---- | #103.25B | 66.25A | ---- | 104.30+ | 2190 | .890 | ---- | ---- | 3 | UNCH | 103.25B | 40.25A |
| 2810 | ---- | #107.50B | 70.00A | ---- | 108.60+ | 2210 | .904 | ---- | ---- | 1 | UNCH | 107.50B | 42.75A |
| 2815 | ---- | #112.00B | 73.75A | ---- | 113.00+ | 2230 | .916 | ---- | ---- | 5 | UNCH | 112.00B | 45.25A |
| 2820 | ---- | #116.50B | 77.75A | ---- | 117.60+ | 2260 | .926 | ---- | ---- | 1 | UNCH | 116.50B | 48.00A |
| 2825 | ---- | #121.00B | 83.00A | ---- | 122.10+ | 2270 | .936 | ---- | ---- | 1 | UNCH | 121.00B | 50.75A |
| 2830 | ---- | #125.75B | 87.25A | ---- | 126.80+ | 2290 | .944 | ---- | ---- | 1 | UNCH | 125.75B | 53.75A |
| 2840 | ---- | #135.00B | 97.00A | ---- | 136.30+ | 2310 | .958 | ---- | ---- | 1 | UNCH | 135.00B | 60.00A |
| 2845 | ---- | #140.00B | 101.75A | ---- | 141.00+ | 2310 | .964 | ---- | ---- | 3 | UNCH | 140.00B | 63.25A |
| 2850 | ---- | #144.75B | 106.25A | ---- | 145.90+ | 2320 | .968 | ---- | ---- | 2 | UNCH | 144.75B | 66.75A |
| 2855 | ---- | #149.50B | 112.50A | ---- | 150.70+ | 2320 | .972 | ---- | ---- | 2 | UNCH | 149.50B | 70.50A |
| 2860 | ---- | #154.50B | 117.00A | ---- | 155.60+ | 2330 | .977 | ---- | ---- | 3 | UNCH | 154.50B | 74.25A |
| 2865 | ---- | #157.00B | 122.00A | ---- | 160.50+ | 2330 | .980 | ---- | ---- | 1 | UNCH | 157.00B | 78.00A |
| 2870 | ---- | #161.75B | 127.00A | ---- | 165.40+ | 2330 | .981 | ---- | ---- | 2 | UNCH | 161.75B | 82.00A |
| TOTAL | | | | | | | | | 5809 | 27644 + | 2439 | | |

E-MINI S&P PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMINI S&P PUT SEP18 | EMINI S&P PUT | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 53 | UNCH | .45B | .10A |
| 1025 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 835 | UNCH | 7.00 | .10 |
| 1050 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 687 | UNCH | 6.50B | .15 |
| 1075 | 0.15 | .15 | .15 | ---- | .15 | UNCH | .000 | ---- | 2 | 1197 + | 2 | 7.25B | .15A |
| 1100 | 0.25 | .25 | .15A | ---- | .20 | UNCH | .000 | ---- | 63 | 1233 | UNCH | 8.75 | .15A |
| 1125 | ---- | ---- | ---- | ---- | .25+ | 5 | .000 | ---- | ---- | 432 | UNCH | 9.50 | .15 |
| 1150 | 0.30 | .30 | .20A | ---- | .25 | UNCH | .001 | ---- | 11 | 73 + | 11 | 10.25 | .20A |
| 1175 | ---- | ---- | ---- | ---- | .30+ | 5 | .001 | ---- | ---- | 161 | UNCH | 11.00 | .20A |
| 1200 | ---- | ---- | .25A | ---- | .35+ | 5 | .001 | ---- | ---- | 1155 | UNCH | 11.75 | .15 |
| 1225 | ---- | ---- | .25A | ---- | .35+ | 5 | .001 | ---- | ---- | 93 | UNCH | 12.75 | .20A |
| 1250 | ---- | ---- | .30A | ---- | .40+ | 5 | .001 | ---- | ---- | 440 | UNCH | 13.00B | .25A |
| 1275 | 0.35 | .35 | .30A | ---- | .45+ | 10 | .001 | ---- | 10 | 434 + | 8 | 14.50 | .25A |
| 1300 | ---- | ---- | .35A | ---- | .45+ | 5 | .001 | ---- | ---- | 795 | UNCH | 15.50 | .30 |
| 1325 | ---- | ---- | .40A | ---- | .50+ | 5 | .002 | ---- | ---- | 664 | UNCH | 16.75 | .30A |
| 1350 | ---- | .50B | .40A | ---- | .55+ | 10 | .002 | ---- | ---- | 1837 | UNCH | 17.25B | .35 |
| 1375 | 0.60 | .60 | .45A | ---- | .60+ | 10 | .002 | ---- | 10 | 1236 + | 10 | 19.00 | .35 |
| 1400 | 0.65 | .65 | .50A | ---- | .60+ | 5 | .002 | ---- | 10 | 23204 - | 10 | 20.25 | .40 |
| 1425 | 0.55 | .75 | .50A | ---- | .65+ | 5 | .002 | ---- | 61 | 1897 | UNCH | 21.50 | .40 |
| 1450 | 0.60 | .75 | .55A | ---- | .75+ | 10 | .003 | ---- | 11 | 30432 | UNCH | 22.75B | .45 |
| 1475 | ---- | .70B | .60A | ---- | .80+ | 15 | .003 | ---- | 5 | 23906 - | 5 | 24.25B | .50 |
| 1500 | ---- | .80B | .65A | ---- | .85+ | 15 | .003 | ---- | ---- | 2640 | UNCH | 26.00 | .50 |
| 1525 | ---- | .85B | .70A | ---- | .90+ | 10 | .004 | ---- | ---- | 6659 | UNCH | 27.75 | .55 |
| 1550 | ---- | .90B | .75A | ---- | .95+ | 10 | .004 | ---- | ---- | 1297 | UNCH | 30.00 | .55 |
| 1575 | ---- | 1.00B | .80A | ---- | 1.05+ | 15 | .004 | ---- | ---- | 3754 | UNCH | 31.25 | .55 |
| 1600 | ---- | 1.05B | .85A | ---- | 1.10+ | 15 | .005 | ---- | ---- | 3517 | UNCH | 33.25B | .65 |
| 1625 | ---- | 1.15B | .95A | ---- | 1.20+ | 15 | .005 | ---- | ---- | 1884 | UNCH | 35.25 | .70 |
| 1650 | ---- | 1.25B | 1.00A | ---- | 1.30+ | 20 | .006 | ---- | ---- | 1974 | UNCH | 37.25B | .80A |
| 1660 | ---- | 1.25B | 1.00A | ---- | 1.35+ | 20 | .006 | ---- | ---- | 168 | UNCH | 38.25B | .80A |
| 1670 | ---- | 1.30B | 1.05A | ---- | 1.35+ | 15 | .006 | ---- | ---- | 1546 | UNCH | 39.00 | .80 |
| 1675 | ---- | 1.35B | 1.05A | ---- | 1.40+ | 20 | .006 | ---- | ---- | 1461 | UNCH | 40.00 | .85A |
| 1680 | ---- | 1.35B | 1.10A | ---- | 1.40+ | 20 | .007 | ---- | ---- | 3185 | UNCH | 40.00B | .85A |
| 1690 | ---- | 1.40B | 1.10A | ---- | 1.50+ | 25 | .007 | ---- | ---- | 420 | UNCH | 41.00B | .90A |
| 1700 | ---- | 1.45B | 1.15A | ---- | 1.55+ | 25 | .007 | ---- | ---- | 1084 | UNCH | 42.00B | .90 |
| 1710 | ---- | 1.50B | 1.15A | ---- | 1.60+ | 30 | .008 | ---- | ---- | 1520 | UNCH | 43.00 | .95A |
| 1720 | ---- | 1.50B | 1.20A | ---- | 1.65+ | 30 | .008 | ---- | ---- | 1745 | UNCH | 43.75B | .95A |
| 1725 | ---- | 1.55B | 1.25A | ---- | 1.65+ | 30 | .008 | ---- | ---- | 812 | UNCH | 44.25B | .95 |
| 1730 | 1.85 | 1.85 | 1.25A | ---- | 1.65+ | 25 | .008 | ---- | 5 | 1200 - | 1 | 44.75B | .95A |
| 1740 | ---- | 1.65B | 1.25A | ---- | 1.70+ | 30 | .008 | ---- | ---- | 1461 | UNCH | 45.75B | 1.00A |
| 1750 | 1.80 | 1.80 | 1.30A | ---- | 1.75+ | 30 | .009 | ---- | 30 | 2198 + | 25 | 48.75 | 1.00 |
| 1760 | ---- | 1.75B | 1.35A | ---- | 1.85+ | 35 | .009 | ---- | ---- | 1266 | UNCH | 48.50 | 1.05A |
| 1770 | 2.00 | 2.00 | 1.40A | ---- | 1.90+ | 35 | .009 | ---- | 1 | 2221 + | 1 | 48.75B | 1.10A |
| 1775 | 2.00 | 2.00 | 1.40A | ---- | 1.90+ | 35 | .009 | ---- | 1 | 1576 | UNCH | 49.50B | 1.10 |
| 1780 | 2.00 | 2.00 | 1.45A | ---- | 1.95+ | 35 | .010 | ---- | 1 | 1046 | UNCH | 51.50 | 1.10A |
| 1790 | 2.00 | 2.00 | 1.45A | ---- | 2.00+ | 35 | .010 | ---- | 1 | 1264 | UNCH | 51.00B | 1.15A |
| 1800 | 2.00 | 2.10 | 1.50A | ---- | 2.05+ | 35 | .010 | ---- | 7 | 2330 + | 6 | 52.25B | 1.20 |
| 1810 | 1.55 | 2.05B | 1.55 | ---- | 2.10+ | 35 | .011 | ---- | 3 | 1148 + | 3 | 53.25B | 1.20A |
| 1820 | 2.00 | 2.10B | 1.60A | ---- | 2.20+ | 40 | .011 | ---- | 1 | 1867 | UNCH | 55.00 | 1.25A |
| 1825 | 2.00 | 2.15B | 1.65A | ---- | 2.25+ | 40 | .011 | ---- | 1 | 1605 | UNCH | 58.00 | 1.25A |
| 1830 | 2.00 | 2.20B | 1.65A | ---- | 2.25+ | 35 | .012 | ---- | 1 | 1243 | UNCH | 55.75B | 1.30A |
| 1840 | 2.00 | 2.25B | 1.70A | ---- | 2.35+ | 40 | .012 | ---- | 1 | 1048 | UNCH | 56.75B | 1.30A |
| 1850 | 2.00 | 2.35B | 1.75A | ---- | 2.40+ | 40 | .012 | ---- | 1 | 1393 | UNCH | 58.00B | 1.35A |
| 1860 | 2.00 | 2.45B | 1.80A | ---- | 2.50+ | 40 | .013 | ---- | 1 | 1216 + | 1 | 59.25B | 1.40A |
| 1870 | 2.00 | 2.80 | 1.85A | ---- | 2.60+ | 45 | .014 | ---- | 16 | 251 + | 1 | 60.50B | 1.45A |
| 1875 | 2.75 | 2.75 | 1.90A | ---- | 2.65+ | 45 | .014 | ---- | 17 | 1094 - | 2 | 62.00 | 1.45A |
| 1880 | 2.10 | 2.60B | 1.95A | ---- | 2.70+ | 45 | .014 | ---- | 1 | 800 | UNCH | 62.75 | 1.50A |
| 1890 | 2.20 | 2.70B | 2.00A | ---- | 2.80+ | 50 | .015 | ---- | 32 | 1261 + | 12 | 63.00B | 1.55A |
| 1900 | 2.30 | 3.05 | 2.05A | ---- | 2.85+ | 50 | .015 | ---- | 8 | 2456 + | 7 | 64.50B | 1.60A |
| 1910 | 2.25 | 3.05 | 2.15A | ---- | 2.95+ | 50 | .016 | ---- | 21 | 917 + | 19 | 65.75B | 1.65A |
| 1920 | 2.80 | 3.00B | 2.20A | ---- | 3.10+ | 55 | .017 | ---- | 10 | 1236 + | 10 | 67.00B | 1.70A |
| 1925 | ---- | 3.05B | 2.25A | ---- | 3.15+ | 60 | .017 | ---- | ---- | 840 | UNCH | 68.00 | 1.70A |
| 1930 | ---- | 3.10B | 2.25A | ---- | 3.20+ | 60 | .017 | ---- | ---- | 1066 | UNCH | 68.50B | 1.75A |
| 1940 | 3.40 | 3.40 | 2.35A | ---- | 3.30+ | 60 | .018 | ---- | 36 | 850 + | 11 | 69.75B | 1.80A |
| 1950 | ---- | 3.35B | 2.40A | ---- | 3.40+ | 65 | .019 | ---- | ---- | 1578 | UNCH | 71.25B | 1.85A |
| 1960 | 2.75 | 3.45B | 2.50A | ---- | 3.50+ | 65 | .019 | ---- | 19 | 971 | UNCH | 72.75B | 1.90A |
| 1970 | 2.85 | 3.55B | 2.55A | ---- | 3.65+ | 70 | .020 | ---- | 54 | 516 - | 18 | 74.25B | 1.95A |
| 1975 | ---- | 3.65B | 2.60A | ---- | 3.70+ | 70 | .021 | ---- | ---- | 1940 | UNCH | 75.00B | 2.00 |
| 1980 | 3.35 | 3.70B | 2.65A | ---- | 3.75+ | 70 | .021 | ---- | 12 | 652 - | 12 | 75.75B | 2.00A |
| 1990 | 3.05 | 4.00 | 2.75A | ---- | 3.90+ | 75 | .022 | ---- | 184 | 2081 | UNCH | 77.25B | 2.10A |
| 2000 | 3.30 | 4.25 | 2.80 | ---- | 4.05+ | 80 | .023 | ---- | 1075 | 5459 + | 34 | 80.00 | 2.15A |
| 2010 | 3.30 | 4.20B | 2.90A | ---- | 4.20+ | 80 | .024 | ---- | 12 | 1660 - | 5 | 80.25B | 2.25A |
| 2020 | 3.35 | 4.30B | 3.00A | ---- | 4.35+ | 85 | .025 | ---- | 3 | 1006 - | 2 | 82.00B | 2.30A |
| 2025 | 4.55 | 4.55 | 3.05A | ---- | 4.40+ | 85 | .025 | ---- | 2 | 823 + | 2 | 82.75B | 2.35A |
| 2030 | 4.00 | 4.45B | 3.10A | ---- | 4.50+ | 85 | .026 | ---- | 34 | 2228 | UNCH | 83.50B | 2.40A |
| 2040 | ---- | 4.60B | 3.25A | ---- | 4.70+ | 95 | .027 | ---- | 17 | 736 + | 17 | 85.25B | 2.45A |
| 2050 | 3.80 | 4.75B | 3.35A | ---- | 4.85+ | 95 | .028 | ---- | 5 | 1133 - | 5 | 86.75B | 2.55A |
| 2060 | 4.80 | 4.95B | 3.45A | ---- | 5.10+ | 105 | .029 | ---- | 106 | 1206 + | 101 | 88.75B | 2.65A |
| 2070 | 4.00 | 5.00B | 3.60A | ---- | 5.30+ | 110 | .030 | ---- | 23 | 1902 | UNCH | 90.25B | 2.75A |
| 2075 | ---- | 5.25B | 3.65A | ---- | 5.30+ | 105 | .031 | ---- | ---- | 1429 | UNCH | 91.25B | 2.80A |
| 2080 | 4.20 | 5.25B | 3.75A | ---- | 5.40+ | 105 | .031 | ---- | 1 | 2596 + | 1 | 92.25B | 2.85A |
| 2090 | 4.90 | 5.75 | 3.85A | ---- | 5.60+ | 110 | .033 | ---- | 41 | 497 | UNCH | 94.00B | 2.90 |
| 2100 | 4.60 | 5.75B | 4.00A | ---- | 5.80+ | 115 | .034 | ---- | 104 | 4961 + | 15 | 95.75B | 3.05A |
| 2110 | 6.00 | 6.00 | 4.10A | ---- | 6.00+ | 115 | .035 | ---- | 500 | 1137 + | 126 | 97.50B | 3.15A |
| 2120 | 4.85 | 6.00B | 4.30A | ---- | 6.30+ | 130 | .037 | ---- | 79 | 1455 - | 47 | 99.50B | 3.25A |
| 2125 | 5.75 | 6.25 | 4.35A | ---- | 6.40+ | 130 | .038 | ---- | 1257 | 1409 + | 774 | 100.50B | 3.35A |
| 2130 | ---- | 6.25B | 4.45A | ---- | 6.50+ | 130 | .038 | ---- | 5 | 1446 | UNCH | 101.25B | 3.40 |
| 2140 | ---- | 6.50B | 4.60A | ---- | 6.80+ | 140 | .040 | ---- | 5 | 5924 | UNCH | 103.25B | 3.50 |
| 2150 | 4.95 | 6.75B | 4.80A | ---- | 7.00+ | 140 | .042 | ---- | 108 | 5267 | UNCH | 105.25B | 3.65A |
| 2160 | 7.00 | 7.25 | 5.00A | ---- | 7.20+ | 140 | .043 | ---- | 107 | 1113 - | 102 | 107.00B | 3.80A |
| 2170 | ---- | 7.25B | 5.25A | ---- | 7.50+ | 140 | .045 | ---- | 5 | 4416 | UNCH | 109.00B | 4.00A |
| 2175 | 7.75 | 7.75 | 5.25A | ---- | 7.60+ | 140 | .046 | ---- | 500 | 2325 + | 217 | 110.25B | 4.05A |
| 2180 | 6.00 | 7.75B | 5.50 | ---- | 7.80+ | 150 | .047 | ---- | 138 | 1764 - | 45 | 111.25B | 4.10A |
| 2190 | ---- | 8.00B | 5.75A | ---- | 8.00+ | 150 | .049 | ---- | ---- | 2019 | UNCH | 113.25B | 4.30A |
| 2200 | 7.50 | 8.50 | 5.75A | ---- | 8.40+ | 160 | .051 | ---- | 310 | 6640 + | 6 | 115.50B | 4.45 |
| 2210 | 8.00 | 8.50B | 6.00A | ---- | 8.70+ | 160 | .053 | ---- | 20 | 2794 + | 10 | 117.50B | 4.60A |
| 2220 | 8.00 | 9.00B | 6.25A | ---- | 9.10+ | 170 | .056 | ---- | 11 | 1453 | UNCH | 119.75B | 4.80A |
| 2225 | 9.25 | 9.25 | 6.50 | ---- | 9.30+ | 180 | .057 | ---- | 22 | 1412 + | 17 | 122.00 | 4.85A |
| 2230 | 9.00 | 9.25B | 6.50A | ---- | 9.40+ | 180 | .058 | ---- | 89 | 1625 | UNCH | 122.00B | 4.95A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2240 | 7.00 | 9.75B | 6.75A | ---- | 9.80+ | 180 | .061 | ---- | 26 | 397 + | 3 | 124.25B | 5.25 |
| 2250 | 7.25 | 10.75 | 7.00A | ---- | 10.20+ | 190 | .063 | ---- | 97 | 6009 + | 12 | 126.50B | 5.25A |
| 2260 | 8.00 | 10.50B | 7.25A | ---- | 10.60+ | 200 | .066 | ---- | 59 | 1855 - | 58 | 129.00B | 5.50A |
| 2270 | 9.75 | 11.25 | 7.50A | ---- | 11.00+ | 200 | .069 | ---- | 183 | 658 + | 32 | 131.25B | 5.75A |
| 2275 | 10.75 | 11.50 | 7.75A | ---- | 11.20+ | 210 | .070 | ---- | 168 | 1375 + | 18 | 132.25B | 5.75A |
| 2280 | 11.00 | 11.25B | 8.00A | ---- | 11.40+ | 210 | .072 | ---- | 26 | 4102 + | 26 | 133.50B | 6.00A |
| 2290 | ---- | 11.75B | 8.25A | ---- | 11.80+ | 210 | .075 | ---- | 105 | 2728 + | 4 | 136.00B | 6.25A |
| 2300 | 10.00 | 12.25B | 8.50A | ---- | 12.30+ | 220 | .078 | ---- | 1147 | 11820 - | 158 | 138.50B | 6.50 |
| 2305 | 9.75 | 12.50B | 8.75A | ---- | 12.50+ | 220 | .079 | ---- | 10 | 739 | UNCH | 55.50B | 6.50A |
| 2310 | 10.75 | 12.75B | 8.75A | ---- | 12.80+ | 230 | .081 | ---- | 134 | 1921 - | 124 | 141.00B | 6.75A |
| 2315 | 13.25 | 13.25 | 9.00A | ---- | 13.00+ | 230 | .083 | ---- | 162 | 2319 | UNCH | 57.25B | 6.75A |
| 2320 | 10.25 | 13.25B | 9.25A | ---- | 13.30+ | 240 | .085 | ---- | 5 | 2187 + | 5 | 143.50B | 7.00A |
| 2325 | 10.50 | 13.75 | 9.50A | ---- | 13.60+ | 250 | .087 | ---- | 10 | 1680 + | 10 | 144.75B | 7.00A |
| 2330 | 10.75 | 13.75B | 9.50A | ---- | 13.90+ | 250 | .089 | ---- | 1 | 1408 | UNCH | 146.00B | 7.00 |
| 2335 | 14.25 | 14.25 | 9.75A | ---- | 14.20+ | 260 | .091 | ---- | 23 | 184 + | 17 | 70.75B | 7.25 |
| 2340 | 14.50 | 15.00 | 10.00A | ---- | 14.50+ | 270 | .093 | ---- | 9 | 964 + | 9 | 148.75B | 7.50A |
| 2345 | 15.00 | 15.00 | 10.25A | ---- | 14.90+ | 290 | .095 | ---- | 1 | 839 | UNCH | 73.00B | 7.75A |
| 2350 | 15.00 | 15.75 | 10.25A | ---- | 15.20+ | 290 | .097 | ---- | 717 | 4311 - | 15 | 151.50B | 7.75A |
| 2355 | 15.25 | 15.75 | 10.50A | ---- | 15.50+ | 300 | .099 | ---- | 103 | 823 + | 101 | 75.00B | 8.00A |
| 2360 | 13.25 | 16.25 | 10.75A | ---- | 15.80+ | 310 | .102 | ---- | 11 | 492 + | 9 | 154.00B | 8.00A |
| 2365 | 12.25 | 16.75 | 11.00A | ---- | 16.10+ | 310 | .104 | ---- | 23 | 663 + | 6 | 77.50B | 8.25A |
| 2370 | 11.75 | 17.00 | 11.25A | ---- | 16.50+ | 330 | .106 | ---- | 13 | 2221 + | 13 | 156.75B | 8.50A |
| 2375 | 13.75 | 17.50 | 11.50 | ---- | 16.80+ | 330 | .109 | ---- | 155 | 4686 - | 127 | 158.25B | 8.50A |
| 2380 | 16.00 | 17.25 | 11.75A | ---- | 17.10+ | 330 | .111 | ---- | 101 | 490 + | 20 | 159.50B | 8.75A |
| 2385 | 13.25 | 17.25B | 12.00A | ---- | 17.40+ | 330 | .113 | ---- | 6 | 549 + | 5 | 82.25B | 9.00A |
| 2390 | 13.75 | 17.75B | 12.25A | ---- | 17.80+ | 340 | .116 | ---- | 23 | 1094 | UNCH | 162.25B | 9.00A |
| 2395 | 14.50 | 18.00B | 12.50A | ---- | 18.10+ | 340 | .118 | ---- | 20 | 404 + | 3 | 84.50B | 9.25A |
| 2400 | 15.25 | 19.25 | 12.75 | ---- | 18.50+ | 350 | .121 | ---- | 1911 | 10678 - | 351 | 165.25B | 9.50 |
| 2405 | 14.25 | 18.75B | 13.00A | ---- | 18.90+ | 350 | .123 | ---- | 136 | 344 + | 60 | 87.25B | 9.75A |
| 2410 | 16.00 | 20.00 | 13.25 | ---- | 19.30+ | 360 | .126 | ---- | 37 | 741 + | 12 | 168.25B | 9.75A |
| 2415 | 15.50 | 19.75B | 13.50A | ---- | 19.70+ | 370 | .129 | ---- | 24 | 473 + | 7 | 89.75B | 10.00A |
| 2420 | 14.25 | 20.00B | 13.75A | ---- | 20.20+ | 380 | .132 | ---- | 27 | 2182 + | 2 | 171.00B | 10.25A |
| 2425 | 16.00 | 20.50B | 14.00A | ---- | 20.60+ | 390 | .135 | ---- | 77 | 1970 - | 27 | 172.50B | 10.50A |
| 2430 | 15.75 | 21.75 | 14.50A | ---- | 21.10+ | 410 | .138 | ---- | 17 | 490 - | 14 | 174.25B | 10.75A |
| 2435 | 16.50 | 21.50B | 14.75A | ---- | 21.50+ | 410 | .141 | ---- | 14 | 372 - | 13 | 95.25B | 11.00A |
| 2440 | 15.75 | 22.75 | 15.00A | ---- | 22.00+ | 430 | .145 | ---- | 199 | 907 + | 64 | 177.25B | 11.25A |
| 2445 | 17.50 | 22.50B | 15.50A | ---- | 22.50+ | 440 | .148 | ---- | 7 | 819 + | 2 | 98.00B | 11.50A |
| 2450 | 17.00 | 23.50 | 15.50 | ---- | 23.00+ | 450 | .151 | ---- | 862 | 10211 + | 504 | 180.25B | 11.75A |
| 2455 | 16.75 | 23.25B | 16.00A | ---- | 23.50+ | 460 | .155 | ---- | 65 | 832 + | 1 | 100.75B | 12.00A |
| 2460 | 17.00 | 24.00 | 16.50A | ---- | 24.00+ | 460 | .158 | ---- | 29 | 828 + | 3 | 183.50B | 12.25A |
| 2465 | 20.00 | 24.50 | 16.75A | ---- | 24.60+ | 480 | .162 | ---- | 85 | 536 + | 27 | 103.75B | 12.50A |
| 2470 | ---- | 25.00B | 17.00A | ---- | 25.10+ | 480 | .166 | ---- | ---- | 4244 | UNCH | 186.50B | 12.75A |
| 2475 | 20.75 | 26.50 | 17.50A | ---- | 25.70+ | 490 | .170 | ---- | 16 | 2589 + | 16 | 188.25B | 13.00A |
| 2480 | 18.25 | 26.00B | 17.75A | ---- | 26.20+ | 500 | .173 | ---- | 13 | 432 | UNCH | 189.75B | 13.25A |
| 2485 | 21.25 | 26.75B | 18.25A | ---- | 26.80+ | 510 | .177 | ---- | 289 | 334 - | 196 | 109.75B | 13.50A |
| 2490 | 21.00 | 27.25B | 18.75A | ---- | 27.40+ | 520 | .182 | ---- | 40 | 2622 - | 21 | 193.00B | 13.75A |
| 2495 | 20.25 | 28.00 | 19.00A | ---- | 28.00+ | 530 | .186 | ---- | 152 | 5459 + | 14 | 113.00B | 14.00A |
| 2500 | 23.50 | 29.50 | 19.50A | ---- | 28.60+ | 540 | .190 | ---- | 1275 | 13045 + | 770 | 199.00 | 14.50 |
| 2505 | 21.00 | 29.25 | 20.00A | ---- | 29.30+ | 560 | .194 | ---- | 49 | 528 + | 42 | 116.50B | 14.75A |
| 2510 | 23.50 | 29.75B | 20.50A | ---- | 29.90+ | 570 | .199 | ---- | 322 | 1043 + | 265 | 199.75B | 15.00A |
| 2515 | 24.50 | 30.50B | 21.00A | ---- | 30.60+ | 580 | .203 | ---- | 29 | 540 + | 23 | 119.75B | 15.50A |
| 2520 | 24.75 | 31.25B | 21.50A | ---- | 31.30+ | 590 | .208 | ---- | 32 | 2209 + | 13 | 203.25B | 15.75 |
| 2525 | 29.00 | 32.75 | 22.00A | ---- | 32.00+ | 600 | .213 | ---- | 220 | 2829 + | 12 | 205.00B | 16.00A |
| 2530 | 24.50 | 32.50B | 22.50A | ---- | 32.80+ | 620 | .218 | ---- | 420 | 1254 - | 193 | 206.75B | 16.50 |
| 2535 | 30.50 | 33.25B | 23.00A | ---- | 33.50+ | 630 | .223 | ---- | 11 | 413 - | 11 | 127.00B | 16.75A |
| 2540 | 24.75 | 34.00B | 23.50 | ---- | 34.30+ | 650 | .228 | ---- | 347 | 720 + | 70 | 210.50B | 17.25 |
| 2545 | 31.25 | 34.75B | 24.00 | ---- | 35.10+ | 660 | .234 | ---- | 69 | 509 - | 64 | 130.75B | 17.50A |
| 2550 | 35.25 | 36.00 | 24.50A | ---- | 35.90+ | 680 | .239 | ---- | 2141 | 11990 - | 88 | 214.00B | 18.00 |
| 2555 | 26.25 | 36.50B | 25.25A | ---- | 36.70+ | 700 | .245 | ---- | 20 | 931 + | 5 | 134.50B | 18.50A |
| 2560 | 27.00 | 37.25B | 25.75A | ---- | 37.50+ | 710 | .250 | ---- | 377 | 706 - | 278 | 218.50 | 18.75A |
| 2565 | ---- | 38.25B | 26.50A | ---- | 38.40+ | 730 | .256 | ---- | ---- | 612 | UNCH | 138.50B | 19.25A |
| 2570 | ---- | 39.00B | 27.00A | ---- | 39.30+ | 750 | .262 | ---- | 904 | 1482 + | 304 | 221.50B | 19.75A |
| 2575 | 37.75 | 40.00B | 27.75A | ---- | 40.20+ | 770 | .268 | ---- | 291 | 2378 - | 37 | 223.25B | 20.00 |
| 2580 | 35.50 | 41.00B | 28.25A | ---- | 41.10+ | 780 | .274 | ---- | 2 | 1566 - | 1 | 225.25B | 20.75A |
| 2585 | 37.25 | 41.75B | 29.00A | ---- | 42.00+ | 790 | .281 | ---- | 20 | 206 + | 20 | 146.50B | 21.25 |
| 2590 | 31.00 | 42.75B | 29.75A | ---- | 43.00+ | 800 | .287 | ---- | 44 | 1950 + | 13 | 229.25B | 21.75A |
| 2595 | 33.75 | 43.75B | 30.50A | ---- | 44.00+ | 810 | .294 | ---- | 204 | 1044 - | 94 | 150.75B | 22.25 |
| 2600 | 36.25 | 44.75 | 31.25A | ---- | 45.00+ | 820 | .301 | ---- | 3320 | 15611 + | 185 | 233.25 | 22.75A |
| 2605 | 37.25 | 46.00B | 32.00A | ---- | 46.10+ | 840 | .308 | ---- | 56 | 407 + | 24 | 155.25B | 23.25A |
| 2610 | 38.25 | 47.00B | 32.75A | ---- | 47.20+ | 860 | .315 | ---- | 6 | 5652 + | 6 | 237.00B | 24.00A |
| 2615 | 41.75 | 48.00B | 33.50A | ---- | 48.30+ | 880 | .322 | ---- | 23 | 706 - | 19 | 159.50B | 24.50A |
| 2620 | 40.50 | 49.25B | 34.50A | ---- | 49.40+ | 890 | .330 | ---- | 228 | 1468 + | 98 | 241.25B | 25.00A |
| 2625 | 41.75 | 50.50B | 35.25A | ---- | 50.60+ | 910 | .337 | ---- | 572 | 3148 + | 227 | 243.00B | 25.50 |
| 2630 | 41.50 | 51.50B | 36.25A | ---- | 51.80+ | 930 | .345 | ---- | 153 | 1602 + | 28 | 245.25B | 26.25A |
| 2635 | 39.00 | 52.75B | 37.00A | ---- | 53.00+ | 950 | .353 | ---- | 121 | 469 + | 16 | 168.75B | 27.00A |
| 2640 | 52.50 | 54.00 | 38.00A | ---- | 54.30+ | 970 | .361 | ---- | 195 | 1411 + | 146 | 249.25B | 27.75A |
| 2645 | 44.25 | 55.25B | 39.00A | ---- | 55.50+ | 980 | .370 | ---- | 9 | 755 | UNCH | 173.75B | 28.25A |
| 2650 | 54.25 | 57.00 | 40.00 | ---- | 56.90+ | 1010 | .378 | ---- | 1190 | 10594 + | 404 | 253.75B | 29.00A |
| 2655 | 55.50 | 58.00B | 41.00A | ---- | 58.20+ | 1020 | .387 | ---- | 76 | 1080 - | 22 | 178.50B | 29.75A |
| 2660 | 42.75 | 59.50B | 42.00A | ---- | 59.60+ | 1040 | .396 | ---- | 66 | 1254 + | 47 | 258.00B | 30.50A |
| 2665 | 50.25 | 62.25 | 43.00A | ---- | 61.00+ | 1060 | .405 | ---- | 178 | 561 + | 139 | 183.50B | 31.25A |
| 2670 | 52.00 | 62.50B | 44.25A | ---- | 62.50+ | 1080 | .415 | ---- | 839 | 720 - | 134 | 262.50B | 32.25 |
| 2675 | 54.50 | 64.00B | 45.25A | ---- | 64.10+ | 1110 | .424 | ---- | 862 | 2317 + | 357 | 264.75B | 33.00A |
| 2680 | 55.00 | 66.75 | 46.50A | ---- | 65.70+ | 1130 | .434 | ---- | 226 | 1444 + | 15 | 267.00B | 33.75 |
| 2685 | 57.25 | 67.00B | 47.75A | ---- | 67.30+ | 1150 | .444 | ---- | 14 | 5417 - | 6 | 194.00B | 34.75A |
| 2690 | 57.25 | 70.00 | 48.75A | ---- | 68.90+ | 1170 | .454 | ---- | 60 | 1136 - | 13 | 271.75B | 35.50A |
| 2695 | 60.25 | 70.25B | 50.00A | ---- | 70.50+ | 1180 | .465 | ---- | 48 | 872 - | 23 | 199.75B | 36.50A |
| 2700 | 60.75 | 74.25 | 51.50 | ---- | 72.20+ | 1200 | .475 | ---- | 3218 | 14458 + | 728 | 276.25B | 37.50A |
| 2705 | 64.75 | 73.75B | 52.75A | ---- | 73.90+ | 1220 | .486 | ---- | 327 | 2664 + | 54 | 205.25B | 38.50A |
| 2710 | 60.75 | 77.00 | 54.00 | ---- | 75.70+ | 1240 | .497 | ---- | 255 | 716 + | 99 | 281.00B | 39.50A |
| 2715 | 63.25 | 77.50B | 55.50A | ---- | 77.60+ | 1270 | .509 | ---- | 220 | 1251 + | 32 | 211.00B | 40.75A |
| 2720 | 69.00 | 79.25B | 57.00A | ---- | 79.50+ | 1300 | .520 | ---- | 666 | 2478 + | 114 | 286.00B | 41.75A |
| 2725 | 67.75 | 82.00 | 58.50 | ---- | 81.50+ | 1330 | .532 | ---- | 906 | 2693 + | 384 | 288.50B | 43.00A |
| 2730 | 70.75 | 83.75 | 60.25A | ---- | 83.60+ | 1370 | .544 | ---- | 198 | 5202 + | 105 | 291.00B | 44.00A |
| 2735 | 68.25 | 85.50B | 61.75A | ---- | 85.70+ | 1400 | .556 | ---- | 110 | 990 - | 12 | 223.25B | 45.25A |
| 2740 | 71.00 | 87.50B | 63.50A | ---- | 87.90+ | 1440 | .568 | ---- | 211 | 1036 + | 24 | 296.00B | 46.50A |
| 2745 | 83.50 | 92.25 | 65.25A | ---- | 90.20+ | 1480 | .580 | ---- | 113 | 1289 - | 10 | 229.50B | 47.75A |
| 2750 | 90.75 | 92.25B | 67.00A | ---- | 92.40+ | 1500 | .593 | ---- | 262 | 6016 - | 118 | 301.25B | 49.25A |
| 2755 | ---- | 94.50B | 69.00A | ---- | 94.80+ | 1540 | .606 | ---- | 5 | 525 - | 5 | 236.00B | 50.50A |
| 2760 | 94.00 | 97.00B | 70.75A | ---- | 97.20+ | 1560 | .619 | ---- | 247 | 1740 + | 186 | 306.00B | 52.00A |
| 2765 | ---- | 99.50B | 72.75A | ---- | 99.80+ | 1600 | .632 | ---- | 10 | 522 | UNCH | 242.75B | 53.50A |
| 2770 | 80.00 | 102.00B | 75.00A | ---- | 102.40+ | 1620 | .645 | ---- | 25 | 1192 - | 1 | 311.75B | 55.25A |
| 2775 | 84.50 | 104.75B | 77.00A | ---- | 105.10+ | 1650 | .658 | ---- | 8 | 2905 + | 3 | 314.50B | 56.75 |
| 2780 | ---- | 107.50B | 79.25A | ---- | 107.90+ | 1680 | .671 | ---- | 11 | 470 | UNCH | 317.25B | 58.50A |
| 2785 | ---- | 110.25B | 81.50A | ---- | 110.70+ | 1710 | .684 | ---- | 7 | 271 + | 5 | 256.50B | 60.25A |
| 2790 | 95.00 | 113.25B | 84.00A | ---- | 113.60+ | 1730 | .698 | ---- | 112 | 591 + | 53 | 323.00B | 61.75 |
| 2795 | ---- | 116.25B | 86.25A | ---- | 116.60+ | 1770 | .711 | ---- | 1 | 498 + | 1 | 263.25B | 63.75 |
| 2800 | ---- | 119.25B | 88.75A | ---- | 119.60+ | 1790 | .724 | ---- | 112 | 1632 + | 70 | 328.50B | 66.00A |
| 2805 | ---- | 122.50B | 91.50A | ---- | 122.80+ | 1830 | .738 | ---- | ---- | 81 | UNCH | 260.25B | 68.00A |
| 2810 | 114.00 | 125.75B | 94.00A | ---- | 126.00+ | 1860 | .751 | ---- | 28 | 267 - | 16 | 336.50B | 70.00A |
| 2815 | 100.25 | 129.00B | 96.75A | ---- | 129.30+ | 1880 | .764 | ---- | 1 | 338 | UNCH | 257.75B | 72.25A |
| 2820 | 103.00 | 132.25B | 99.75A | ---- | 132.70+ | 1910 | .777 | ---- | 1 | 568 + | 1 | 345.25B | 74.50A |
| 2825 | ---- | 136.00B | 102.50A | ---- | 136.30+ | 1940 | .790 | ---- | ---- | 207 | UNCH | 349.50B | 76.75A |
| 2830 | ---- | 139.50B | 105.75A | ---- | 139.90+ | 1970 | .802 | ---- | ---- | 128 | UNCH | 354.00B | 79.25A |
| 2835 | ---- | 143.25B | 108.75A | ---- | 143.60+ | 1990 | .813 | ---- | ---- | 5 | UNCH | 261.00B | 81.75A |
| 2840 | ---- | 147.00B | 112.00A | ---- | 147.40+ | 2020 | .825 | ---- | 19 | 279 - | 5 | 363.00B | 84.25A |
| 2845 | ---- | 150.75B | 115.25A | ---- | 151.30+ | 2050 | .837 | ---- | ---- | 262 | UNCH | 263.75B | 87.00A |
| 2850 | 149.00 | 154.75B | 118.75A | ---- | 155.20+ | 2070 | .847 | ---- | 10 | 936 - | 2 | 372.00B | 89.50 |
| 2855 | ---- | 158.50B | 122.25A | ---- | 159.20+ | 2090 | .858 | ---- | ---- | 6 | UNCH | 271.25B | 92.25A |
| 2860 | 136.25 | 162.50B | 126.00A | ---- | 163.30+ | 2120 | .868 | ---- | 1 | 256 | UNCH | 381.25B | 95.25A |
| 2865 | ---- | 166.75B | 129.75A | ---- | 167.50+ | 2140 | .877 | ---- | ---- | 3 | UNCH | 275.00B | 98.25A |
| 2870 | 141.75 | 171.00B | 133.50A | ---- | 171.70+ | 2160 | .886 | ---- | 1 | 417 - | 1 | 390.50B | 101.25A |
| 2875 | 144.75 | 175.25B | 137.50A | ---- | 176.00+ | 2170 | .894 | ---- | 1 | 153 - | 1 | 395.25B | 104.50A |
| 2880 | ---- | 179.50B | 141.50A | ---- | 180.40+ | 2190 | .902 | ---- | ---- | 760 | UNCH | 399.75B | 107.75A |
| 2885 | ---- | 184.00B | 146.50A | ---- | 184.90+ | 2220 | .909 | ---- | ---- | 11 | UNCH | 291.00B | 111.00A |
| 2890 | ---- | 187.00B | 150.50A | ---- | 189.40+ | 2230 | .916 | ---- | ---- | 133 | UNCH | 409.25B | 113.75A |
| 2895 | ---- | 191.00B | 154.75A | ---- | 194.00+ | 2250 | .922 | ---- | ---- | 3 | UNCH | 299.25B | 118.00A |
| 2900 | ---- | 195.50B | 159.00A | ---- | 198.50+ | 2250 | .928 | ---- | 1 | 1016 + | 1 | 418.75B | 117.50A |
| 2905 | ---- | 200.25B | 163.50A | ---- | 203.20+ | 2270 | .934 | ---- | ---- | 3 | UNCH | 305.00B | 125.25A |
| 2910 | ---- | 204.75B | 168.00A | ---- | 207.80+ | 2270 | .938 | ---- | ---- | 84 | UNCH | 428.25B | 121.75A |
| 2915 | ---- | 209.50B | 172.50A | ---- | 212.50+ | 2280 | .943 | ---- | ---- | 1 | UNCH | 314.50B | 133.00A |
| 2920 | ---- | 214.25B | 179.50A | ---- | 217.30+ | 2300 | .948 | ---- | ---- | 98 | UNCH | 437.75B | 125.75A |
| 2925 | ---- | 219.00B | 184.00A | ---- | 222.00+ | 2300 | .952 | ---- | ---- | 73 | UNCH | 442.75B | 128.00A |

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# E-MINI S&P 500 PUT OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2930 | ---- | 223.75B | 188.50A | ---- | 226.80+ | 2310 | .955 | ---- | ---- | 56 | UNCH | 447.50B | 130.25A |
| 2940 | ---- | 233.50B | 198.25A | ---- | 236.40+ | 2310 | .961 | ---- | ---- | 99 | UNCH | 457.25B | 134.75A |
| 2950 | ---- | 243.25B | 207.50A | ---- | 246.10+ | 2320 | .967 | ---- | ---- | 105 | UNCH | 466.75B | 139.75A |
| 2960 | ---- | 253.00B | 217.25A | ---- | 255.90+ | 2330 | .971 | ---- | ---- | 134 | UNCH | 476.50B | 144.50A |
| 2970 | ---- | 259.00B | 227.00A | ---- | 265.70+ | 2330 | .975 | ---- | ---- | 86 | UNCH | 480.75B | 149.75A |
| 2975 | ---- | 264.75B | 231.50A | ---- | 270.60+ | 2330 | .977 | ---- | ---- | 36 | UNCH | 483.25B | 152.50A |
| 2980 | ---- | 269.75B | 236.75A | ---- | 275.50+ | 2330 | .978 | ---- | ---- | 1509 | UNCH | 482.00B | 155.00A |
| 3010 | ---- | ---- | ---- | ---- | 305.20+ | 2340 | .986 | ---- | ---- | 2 | UNCH | 463.00B | 172.50A |
| 3020 | ---- | ---- | ---- | ---- | 315.20+ | 2350 | .987 | ---- | ---- | 10 | UNCH | 472.00B | 178.50A |
| 3025 | ---- | ---- | ---- | ---- | 320.20+ | 2350 | .988 | ---- | ---- | 10 | UNCH | 476.25B | 181.75A |
| 3030 | ---- | ---- | ---- | ---- | 325.20+ | 2360 | .988 | ---- | ---- | 12 | UNCH | 480.75B | 184.75A |
| 3040 | ---- | ---- | ---- | ---- | 335.10+ | 2350 | .990 | ---- | ---- | 9 | UNCH | 489.75B | 191.25A |
| 3070 | ---- | ---- | ---- | ---- | 365.10+ | 2360 | .992 | ---- | ---- | 24 | UNCH | 507.75B | 214.00A |
| 3080 | ---- | ---- | ---- | ---- | 375.10+ | 2360 | .993 | ---- | ---- | 3337 | UNCH | 393.00B | 221.25A |
| 3100 | ---- | ---- | ---- | ---- | 395.10+ | 2360 | .994 | ---- | ---- | 2 | UNCH | 474.00 | 237.25A |
| 3280 | ---- | ---- | ---- | ---- | 575.10+ | 2360 | .999 | ---- | ---- | 25 | UNCH | 476.75B | 462.75A |
| TOTAL | | | | | | | | | 34671 | 502099 + | 5029 | | |
| DEC18 | EMINI S&P PUT | | | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | .55+ | 10 | .001 | ---- | ---- | 2480 | UNCH | 10.25 | .35 |
| 1125 | ---- | ---- | ---- | ---- | .60+ | 10 | .002 | ---- | ---- | 1372 | UNCH | 12.00 | .55 |
| 1150 | ---- | ---- | ---- | ---- | .65+ | 10 | .002 | ---- | ---- | 1919 | UNCH | 12.75 | .50A |
| 1175 | ---- | ---- | ---- | ---- | .70+ | 10 | .002 | ---- | ---- | 233 | UNCH | 13.75 | .55A |
| 1200 | ---- | ---- | ---- | ---- | .80+ | 15 | .002 | ---- | ---- | 675 | UNCH | 14.75 | .50 |
| 1225 | ---- | ---- | .70A | ---- | .85+ | 10 | .003 | ---- | ---- | 1346 | UNCH | 15.75 | .65A |
| 1250 | ---- | ---- | .75A | ---- | .95+ | 15 | .003 | ---- | ---- | 596 | UNCH | 15.25B | .65 |
| 1275 | ---- | .90B | ---- | ---- | 1.00+ | 15 | .003 | ---- | ---- | 751 | UNCH | 18.25 | .75A |
| 1300 | ---- | ---- | .90A | ---- | 1.10+ | 15 | .004 | ---- | ---- | 1625 | UNCH | 19.75 | .75 |
| 1325 | ---- | ---- | 1.00A | ---- | 1.20+ | 15 | .004 | ---- | ---- | 782 | UNCH | 18.75B | .75 |
| 1350 | ---- | 1.20B | 1.05A | ---- | 1.30+ | 15 | .004 | ---- | ---- | 1018 | UNCH | 22.00 | .90 |
| 1375 | 1.45 | 1.45 | 1.15A | ---- | 1.40+ | 15 | .005 | ---- | 251 | 1486 + | 249 | 23.75 | .95 |
| 1400 | 1.55 | 1.55 | 1.25A | ---- | 1.55+ | 20 | .005 | ---- | 100 | 1223 + | 100 | 25.00 | .95 |
| 1425 | 1.70 | 1.70 | 1.35A | ---- | 1.70+ | 25 | .006 | ---- | 500 | 1340 + | 488 | 27.00 | 1.05A |
| 1450 | 1.85 | 1.85 | 1.45A | ---- | 1.85+ | 25 | .006 | ---- | 100 | 3006 + | 100 | 28.50 | 1.10 |
| 1475 | 2.00 | 2.00 | 1.55A | ---- | 2.00+ | 25 | .007 | ---- | 27 | 907 + | 27 | 30.50 | 1.25A |
| 1500 | ---- | 2.05B | 1.70A | ---- | 2.20+ | 30 | .008 | ---- | ---- | 5909 | UNCH | 30.25 | 1.35A |
| 1525 | ---- | 2.20B | 1.80A | ---- | 2.35+ | 30 | .009 | ---- | ---- | 764 | UNCH | 34.25 | 1.45A |
| 1550 | 2.20 | 2.55 | 1.95A | ---- | 2.60+ | 40 | .010 | ---- | 28 | 1916 | UNCH | 36.00 | 1.55 |
| 1575 | ---- | 2.70B | 2.15A | ---- | 2.80+ | 40 | .010 | ---- | ---- | 1880 | UNCH | 38.25 | 1.70A |
| 1600 | 2.90 | 3.00 | 2.25 | ---- | 3.05+ | 45 | .011 | ---- | 124 | 7310 - | 100 | 40.50 | 1.85 |
| 1625 | ---- | 3.20B | 2.55A | ---- | 3.30+ | 50 | .013 | ---- | 6 | 2725 | UNCH | 40.00B | 2.05A |
| 1650 | 3.60 | 3.60 | 2.75A | ---- | 3.60+ | 55 | .014 | ---- | 3 | 36557 | UNCH | 46.25 | 2.20A |
| 1675 | 3.70 | 3.80B | 2.95A | ---- | 3.95+ | 65 | .015 | ---- | 1 | 672 | UNCH | 45.00 | 2.35 |
| 1700 | ---- | 4.15B | 3.20A | ---- | 4.30+ | 70 | .017 | ---- | ---- | 4756 | UNCH | 47.50B | 2.55A |
| 1725 | 3.40 | 4.50B | 3.40 | ---- | 4.70+ | 80 | .018 | ---- | 244 | 3028 | UNCH | 52.00 | 2.80A |
| 1750 | 4.80 | 4.90B | 3.80A | ---- | 5.10+ | 90 | .020 | ---- | 10 | 1470 + | 10 | 56.00 | 3.05A |
| 1775 | ---- | 5.25B | 4.10A | ---- | 5.50+ | 95 | .022 | ---- | ---- | 1026 | UNCH | 60.75 | 3.20 |
| 1780 | ---- | 5.25B | 4.20A | ---- | 5.60+ | 95 | .022 | ---- | ---- | 260 | UNCH | 57.00 | 3.35A |
| 1790 | 6.00 | 6.00 | 4.30A | ---- | 5.80+ | 100 | .023 | ---- | 10 | 455 - | 10 | 60.75 | 3.45A |
| 1800 | ---- | 5.75B | 4.45A | ---- | 5.90+ | 95 | .024 | ---- | ---- | 6279 | UNCH | 63.00 | 3.50 |
| 1810 | ---- | 6.00B | 4.60A | ---- | 6.10+ | 100 | .024 | ---- | ---- | 405 | UNCH | 60.75B | 3.70A |
| 1820 | 6.00 | 6.00 | 4.75A | ---- | 6.30+ | 100 | .025 | ---- | 37 | 670 | UNCH | 61.75 | 3.80A |
| 1825 | ---- | 6.25B | 4.85A | ---- | 6.40+ | 100 | .026 | ---- | ---- | 1111 | UNCH | 67.00 | 3.90 |
| 1830 | ---- | 6.25B | 4.95A | ---- | 6.50+ | 100 | .026 | ---- | ---- | 311 | UNCH | 63.25 | 3.95 |
| 1840 | 5.00 | 6.50B | 5.00 | ---- | 6.70+ | 100 | .027 | ---- | 1 | 681 | UNCH | 64.75B | 4.10A |
| 1850 | ---- | 6.75B | 5.50A | ---- | 6.90+ | 100 | .028 | ---- | ---- | 3419 | UNCH | 71.00 | 4.20A |
| 1860 | ---- | 7.00B | 5.50A | ---- | 7.20+ | 110 | .029 | ---- | ---- | 394 | UNCH | 67.50B | 4.35A |
| 1870 | ---- | 7.25B | 5.75A | ---- | 7.40+ | 110 | .030 | ---- | ---- | 289 | UNCH | 68.75B | 4.50A |
| 1875 | ---- | 7.50B | 5.75A | ---- | 7.50+ | 110 | .031 | ---- | ---- | 1401 | UNCH | 69.50B | 4.60A |
| 1880 | ---- | 7.50B | 6.00A | ---- | 7.70+ | 120 | .031 | ---- | ---- | 795 | UNCH | 75.00 | 4.60 |
| 1890 | 7.75 | 7.75 | 6.25A | ---- | 7.90+ | 110 | .032 | ---- | 12 | 1078 - | 12 | 71.75B | 4.85A |
| 1900 | 8.00 | 8.00 | 6.25A | ---- | 8.20+ | 120 | .034 | ---- | 358 | 4644 + | 11 | 75.00 | 5.00A |
| 1910 | ---- | 8.25B | 6.50A | ---- | 8.50+ | 120 | .035 | ---- | ---- | 215 | UNCH | 74.50B | 5.25A |
| 1920 | ---- | 8.75B | 6.75A | ---- | 8.80+ | 130 | .036 | ---- | ---- | 637 | UNCH | 76.00B | 5.50A |
| 1925 | ---- | 8.75B | 7.00A | ---- | 8.90+ | 130 | .037 | ---- | ---- | 428 | UNCH | 80.50 | 5.50A |
| 1930 | 9.00 | 9.00 | 7.00A | ---- | 9.10+ | 130 | .037 | ---- | 37 | 823 | UNCH | 77.50B | 5.75A |
| 1940 | ---- | 9.25B | 7.25A | ---- | 9.40+ | 140 | .039 | ---- | 200 | 963 - | 200 | 79.00B | 5.75A |
| 1950 | 8.50 | 10.00 | 7.50A | ---- | 9.70+ | 140 | .040 | ---- | 12 | 1497 | UNCH | 84.00 | 6.00A |
| 1960 | ---- | 10.00B | 7.75A | ---- | 10.10+ | 150 | .042 | ---- | ---- | 986 | UNCH | 82.50B | 6.25A |
| 1970 | 8.50 | 10.25B | 8.00A | ---- | 10.40+ | 150 | .043 | ---- | 1 | 737 | UNCH | 84.00B | 6.50A |
| 1975 | 10.50 | 10.50 | 8.00A | ---- | 10.60+ | 160 | .044 | ---- | 2 | 708 - | 2 | 91.00 | 6.50A |
| 1980 | ---- | 10.50B | 8.25A | ---- | 10.80+ | 170 | .045 | ---- | ---- | 1020 | UNCH | 97.00 | 6.75A |
| 1990 | ---- | 11.00B | 8.50A | ---- | 11.20+ | 180 | .046 | ---- | ---- | 862 | UNCH | 88.00 | 7.00A |
| 2000 | 10.50 | 11.50 | 8.75A | ---- | 11.60+ | 190 | .048 | ---- | 1044 | 5159 - | 453 | 92.00 | 7.00 |
| 2010 | ---- | 11.75B | 9.00A | ---- | 12.00+ | 200 | .050 | ---- | 406 | 652 + | 130 | 90.50B | 7.25A |
| 2020 | 10.25 | 12.25B | 9.50A | ---- | 12.40+ | 210 | .052 | ---- | 1 | 288 | UNCH | 92.25B | 7.50A |
| 2025 | 10.50 | 12.25B | 9.50A | ---- | 12.60+ | 210 | .052 | ---- | 6 | 846 + | 6 | 93.50B | 7.75A |
| 2030 | ---- | 12.50B | 9.75A | ---- | 12.80+ | 210 | .053 | ---- | ---- | 41 | UNCH | 94.50B | 7.75A |
| 2040 | 11.00 | 13.00B | 10.00A | ---- | 13.20+ | 210 | .055 | ---- | 7 | 661 - | 2 | 96.25B | 8.00A |
| 2050 | 11.75 | 13.50B | 10.25 | ---- | 13.60+ | 210 | .057 | ---- | 20 | 3901 + | 4 | 99.00 | 8.25A |
| 2060 | ---- | 13.75B | 10.75A | ---- | 14.00+ | 210 | .059 | ---- | ---- | 499 | UNCH | 100.00B | 8.75A |
| 2070 | ---- | 14.25B | 11.00A | ---- | 14.50+ | 220 | .061 | ---- | ---- | 240 | UNCH | 101.75B | 9.00A |
| 2075 | 12.50 | 14.50B | 11.25A | ---- | 14.70+ | 220 | .062 | ---- | 8 | 1648 - | 1 | 102.75B | 9.00 |
| 2080 | ---- | 14.75B | 11.50A | ---- | 15.00+ | 230 | .063 | ---- | ---- | 538 | UNCH | 103.75B | 9.25A |
| 2090 | ---- | 15.25B | 11.75A | ---- | 15.50+ | 240 | .065 | ---- | ---- | 938 | UNCH | 105.50B | 9.50A |
| 2100 | 15.50 | 15.75B | 12.25A | ---- | 16.00+ | 240 | .067 | ---- | 50 | 10036 | UNCH | 111.00 | 9.75A |
| 2110 | ---- | 16.25B | 12.75A | ---- | 16.60+ | 260 | .070 | ---- | ---- | 1169 | UNCH | 109.75B | 10.25A |
| 2120 | ---- | 17.00B | 13.00A | ---- | 17.20+ | 270 | .072 | ---- | ---- | 176 | UNCH | 111.50B | 10.50A |
| 2125 | ---- | 17.25B | 13.25A | ---- | 17.50+ | 270 | .074 | ---- | ---- | 492 | UNCH | 112.75B | 10.75A |
| 2130 | ---- | 17.50B | 13.50A | ---- | 17.80+ | 280 | .075 | ---- | ---- | 234 | UNCH | 114.00B | 10.75A |
| 2140 | ---- | 18.00B | 14.00A | ---- | 18.40+ | 290 | .078 | ---- | ---- | 1165 | UNCH | 116.00B | 11.25A |
| 2150 | 15.75 | 18.75B | 14.50A | ---- | 19.00+ | 290 | .080 | ---- | 205 | 1572 | UNCH | 118.25B | 11.50 |
| 2160 | ---- | 19.25B | 15.00A | ---- | 19.60+ | 300 | .083 | ---- | ---- | 830 | UNCH | 120.25B | 12.00A |
| 2170 | ---- | 20.00B | 15.50A | ---- | 20.20+ | 300 | .086 | ---- | ---- | 524 | UNCH | 122.50B | 12.25A |
| 2175 | ---- | 20.25B | 15.75A | ---- | 20.50+ | 300 | .087 | ---- | 1 | 1255 | UNCH | 123.75B | 12.50A |
| 2180 | ---- | 20.50B | 16.00A | ---- | 20.90+ | 320 | .089 | ---- | ---- | 747 | UNCH | 124.75B | 12.75A |
| 2190 | ---- | 21.25B | 16.50A | ---- | 21.50+ | 320 | .091 | ---- | ---- | 1375 | UNCH | 127.00B | 13.25A |
| 2200 | 21.25 | 22.00B | 17.00A | ---- | 22.20+ | 330 | .095 | ---- | 82 | 10183 - | 20 | 129.25B | 13.50 |
| 2210 | ---- | 22.75B | 17.50A | ---- | 22.90+ | 340 | .098 | ---- | ---- | 1198 | UNCH | 131.75B | 14.00A |
| 2220 | ---- | 23.50B | 18.00A | ---- | 23.60+ | 340 | .101 | ---- | ---- | 390 | UNCH | 134.00B | 14.50A |
| 2225 | 23.50 | 23.75B | 18.50A | ---- | 24.00+ | 350 | .103 | ---- | 1 | 831 | UNCH | 135.25B | 14.75 |
| 2230 | 20.75 | 24.50 | 18.75A | ---- | 24.30+ | 350 | .104 | ---- | 3 | 3006 + | 1 | 136.50B | 15.00A |
| 2240 | 25.25 | 25.25 | 19.25A | ---- | 25.10+ | 360 | .108 | ---- | 4 | 1030 + | 1 | 139.00B | 15.50A |
| 2250 | 21.25 | 26.50 | 20.00A | ---- | 25.90+ | 370 | .111 | ---- | 10 | 7721 | UNCH | 141.50B | 16.00 |
| 2260 | 20.25 | 26.75B | 20.25 | ---- | 26.80+ | 390 | .115 | ---- | 2 | 218 + | 2 | 143.75B | 16.50A |
| 2270 | ---- | 27.50B | 21.25A | ---- | 27.70+ | 400 | .119 | ---- | ---- | 501 | UNCH | 146.50B | 16.75 |
| 2275 | ---- | 28.00B | 21.75A | ---- | 28.20+ | 410 | .121 | ---- | ---- | 1071 | UNCH | 152.00 | 17.25A |
| 2280 | ---- | 28.50B | 22.00A | ---- | 28.60+ | 410 | .123 | ---- | ---- | 459 | UNCH | 148.75B | 17.50A |
| 2290 | ---- | 29.50B | 22.75A | ---- | 29.60+ | 430 | .127 | ---- | ---- | 209 | UNCH | 151.50B | 18.00A |
| 2300 | 28.50 | 31.00 | 23.50A | ---- | 30.60+ | 450 | .132 | ---- | 499 | 7792 + | 208 | 157.00 | 18.75A |
| 2310 | ---- | 31.25B | 24.25A | ---- | 31.60+ | 460 | .136 | ---- | ---- | 118 | UNCH | 156.75B | 19.25A |
| 2320 | 28.25 | 32.50B | 25.00A | ---- | 32.60+ | 470 | .140 | ---- | 321 | 266 + | 144 | 159.50B | 20.00A |
| 2325 | ---- | 33.00B | 25.50A | ---- | 33.10+ | 470 | .143 | ---- | 75 | 1123 + | 44 | 160.75B | 20.25A |
| 2330 | 28.25 | 33.50B | 26.00A | ---- | 33.60+ | 470 | .145 | ---- | 1 | 1212 | UNCH | 162.25B | 20.50A |
| 2340 | 30.00 | 34.50B | 26.75A | ---- | 34.70+ | 480 | .150 | ---- | 74 | 595 + | 61 | 165.00B | 21.25A |
| 2350 | 30.50 | 36.50 | 27.75A | ---- | 35.80+ | 490 | .155 | ---- | 60 | 5130 + | 132 | 167.75B | 22.00A |
| 2360 | ---- | 36.75B | 28.50A | ---- | 36.90+ | 500 | .160 | ---- | ---- | 3925 | UNCH | 170.75B | 22.75A |
| 2370 | ---- | 38.00B | 29.50A | ---- | 38.10+ | 510 | .165 | ---- | ---- | 602 | UNCH | 173.50B | 23.50A |
| 2375 | ---- | 38.50B | 30.00A | ---- | 38.70+ | 520 | .168 | ---- | 4 | 1158 + | 4 | 181.50 | 23.75A |
| 2380 | 37.00 | 39.25B | 30.50A | ---- | 39.40+ | 530 | .170 | ---- | 1 | 612 + | 1 | 180.00 | 24.25A |
| 2390 | ---- | 40.50B | 31.50A | ---- | 40.70+ | 560 | .176 | ---- | ---- | 1531 | UNCH | 179.75B | 25.00A |
| 2400 | 37.50 | 42.25 | 32.50A | ---- | 42.00+ | 570 | .182 | ---- | 189 | 11991 + | 34 | 183.25B | 25.75A |
| 2410 | 33.75 | 44.00 | 33.75 | ---- | 43.40+ | 590 | .188 | ---- | 25 | 769 - | 15 | 186.00 | 26.75A |
| 2420 | 43.00 | 44.75B | 34.75A | ---- | 44.80+ | 610 | .194 | ---- | 400 | 992 + | 105 | 188.75B | 27.50A |
| 2425 | 37.25 | 45.25B | 35.25A | ---- | 45.50+ | 620 | .197 | ---- | 20 | 1645 - | 20 | 191.00B | 28.00A |
| 2430 | 46.50 | 46.50 | 36.00A | ---- | 46.30+ | 630 | .200 | ---- | 20 | 604 | UNCH | 192.25B | 28.50A |
| 2440 | ---- | 47.50B | 37.25A | ---- | 47.80+ | 650 | .207 | ---- | ---- | 647 | UNCH | 195.75B | 29.50A |
| 2450 | 45.75 | 49.00B | 38.50A | ---- | 49.30+ | 660 | .214 | ---- | 8 | 5459 | UNCH | 199.75 | 30.50 |
| 2460 | ---- | 50.75B | 39.75A | ---- | 50.90+ | 670 | .221 | ---- | ---- | 735 | UNCH | 202.75 | 31.50 |
| 2470 | ---- | 52.25B | 41.00A | ---- | 52.60+ | 690 | .228 | ---- | ---- | 1682 | UNCH | 205.75B | 32.50 |
| 2475 | 42.75 | 53.25B | 41.75A | ---- | 53.40+ | 700 | .231 | ---- | 24 | 1707 | UNCH | 207.00B | 33.00A |
| 2480 | ---- | 54.00B | 42.50A | ---- | 54.30+ | 710 | .235 | ---- | ---- | 1789 | UNCH | 209.00B | 33.75 |
| 2490 | 54.00 | 55.75B | 43.75A | ---- | 56.00+ | 720 | .243 | ---- | 2 | 483 - | 2 | 212.25B | 34.75A |
| 2495 | ---- | 56.75B | 44.50A | ---- | 57.00+ | 740 | .247 | ---- | ---- | 1 | UNCH | 58.50B | 36.75A |

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# E-MINI S&P 500 PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2500 | 52.00 | 57.50B | 45.25A | ---- | 57.90+ | 750 | .251 | ---- | 168 | 18185 - | 13 | 222.00 | 35.50 |
| 2510 | ---- | 59.50B | 46.75A | ---- | 59.80+ | 770 | .259 | ---- | ---- | 366 | UNCH | 219.75B | 37.25A |
| 2515 | ---- | 60.50B | 47.75A | ---- | 60.70+ | 770 | .263 | ---- | ---- | 20 | UNCH | 62.25B | 39.25A |
| 2520 | 60.00 | 61.50B | 48.50A | ---- | 61.70+ | 780 | .267 | ---- | 835 | 1385 + | 835 | 223.25B | 38.50A |
| 2525 | 58.00 | 62.50B | 49.25A | ---- | 62.70+ | 790 | .271 | ---- | 278 | 4847 + | 4 | 225.25B | 39.00A |
| 2530 | ---- | 63.50B | 50.00A | ---- | 63.70+ | 800 | .276 | ---- | ---- | 617 | UNCH | 227.00B | 39.75A |
| 2535 | 55.25 | 64.50B | 51.00A | ---- | 64.70+ | 810 | .280 | ---- | 1 | 14 + | 1 | 66.25B | 42.00A |
| 2540 | 54.25 | 65.50B | 51.75A | ---- | 65.70+ | 820 | .285 | ---- | 540 | 2881 + | 492 | 230.75B | 41.00A |
| 2545 | ---- | 66.50B | 52.50A | ---- | 66.80+ | 830 | .289 | ---- | ---- | 1 | UNCH | 68.50B | 43.50A |
| 2550 | ---- | 67.50B | 53.50A | ---- | 67.80+ | 840 | .294 | ---- | ---- | 7023 | UNCH | 234.50B | 42.50A |
| 2555 | ---- | 68.75B | 54.50A | ---- | 68.90+ | 850 | .298 | ---- | ---- | 35 | UNCH | 70.50B | 44.75A |
| 2560 | ---- | 69.75B | 55.25A | ---- | 70.00+ | 860 | .303 | ---- | ---- | 863 | UNCH | 238.25B | 44.00A |
| 2565 | 56.75 | 71.00B | 56.25A | ---- | 71.10+ | 870 | .308 | ---- | 20 | 74 | UNCH | 72.75B | 46.50A |
| 2570 | ---- | 72.00B | 57.25A | ---- | 72.20+ | 880 | .313 | ---- | ---- | 2565 | UNCH | 242.25B | 45.50A |
| 2575 | 59.25 | 73.25B | 58.25A | ---- | 73.40+ | 890 | .318 | ---- | 11 | 2838 + | 7 | 244.25B | 46.25A |
| 2580 | 65.00 | 74.25B | 59.00A | ---- | 74.60+ | 910 | .323 | ---- | 20 | 1796 + | 20 | 246.00B | 47.00A |
| 2585 | 72.50 | 75.50B | 60.00A | ---- | 75.80+ | 920 | .328 | ---- | 20 | 147 + | 20 | 77.50B | 49.50A |
| 2590 | ---- | 76.75B | 61.00A | ---- | 77.00+ | 930 | .333 | ---- | ---- | 545 | UNCH | 250.00B | 48.75 |
| 2595 | ---- | 78.00B | 62.00A | ---- | 78.20+ | 940 | .338 | ---- | ---- | 270 | UNCH | 80.00B | 51.25A |
| 2600 | 73.25 | 79.25B | 63.25A | ---- | 79.40+ | 950 | .343 | ---- | 146 | 11030 + | 77 | 254.00B | 50.25A |
| 2605 | 67.00 | 80.50B | 64.25A | ---- | 80.70+ | 960 | .349 | ---- | 20 | 80 + | 20 | 82.50B | 53.25A |
| 2610 | 67.50 | 81.75B | 65.25A | ---- | 82.00+ | 970 | .354 | ---- | 20 | 373 | UNCH | 258.50B | 52.00A |
| 2615 | 68.25 | 83.25B | 66.50A | ---- | 83.30+ | 980 | .360 | ---- | 31 | 203 + | 31 | 85.00B | 55.00A |
| 2620 | ---- | 84.50B | 67.50A | ---- | 84.60+ | 990 | .365 | ---- | ---- | 889 | UNCH | 262.25B | 54.00A |
| 2625 | ---- | 85.75B | 68.75A | ---- | 86.00+ | 1010 | .371 | ---- | ---- | 731 | UNCH | 264.75B | 54.75A |
| 2630 | ---- | 87.25B | 69.75A | ---- | 87.40+ | 1020 | .377 | ---- | ---- | 2239 | UNCH | 266.50B | 55.75A |
| 2635 | ---- | 88.75B | 71.00A | ---- | 88.80+ | 1040 | .383 | ---- | ---- | 47 | UNCH | 90.50B | 59.00A |
| 2640 | ---- | 90.00B | 72.25A | ---- | 90.20+ | 1050 | .389 | ---- | ---- | 447 | UNCH | 271.25B | 57.75A |
| 2645 | ---- | 91.50B | 73.50A | ---- | 91.60+ | 1050 | .395 | ---- | ---- | 283 | UNCH | 93.50B | 61.00A |
| 2650 | 88.75 | 93.00B | 74.75A | ---- | 93.10+ | 1070 | .401 | ---- | 25 | 12082 | UNCH | 275.25B | 59.75A |
| 2655 | ---- | 94.50B | 76.00A | ---- | 94.60+ | 1080 | .407 | ---- | ---- | 31 | UNCH | 96.25B | 62.75 |
| 2660 | 83.25 | 96.00B | 77.25A | ---- | 96.10+ | 1090 | .413 | ---- | 1 | 469 | UNCH | 279.50B | 61.75A |
| 2665 | ---- | 97.50B | 78.50A | ---- | 97.60+ | 1100 | .420 | ---- | ---- | 20 | UNCH | 99.50B | 65.25A |
| 2670 | ---- | 99.25B | 79.75A | ---- | 99.20+ | 1120 | .426 | ---- | ---- | 712 | UNCH | 284.50B | 64.00A |
| 2675 | ---- | 100.75B | 81.25A | ---- | 100.80+ | 1130 | .433 | ---- | ---- | 1660 | UNCH | 286.75B | 65.25A |
| 2680 | 97.25 | 102.50B | 82.50A | ---- | 102.40+ | 1140 | .440 | ---- | 20 | 1263 | UNCH | 289.00B | 66.25A |
| 2685 | ---- | 104.00B | 84.00A | ---- | 104.10+ | 1160 | .446 | ---- | ---- | 51 | UNCH | 106.00B | 70.00A |
| 2690 | 101.75 | 105.75B | 85.50A | ---- | 105.80+ | 1180 | .453 | ---- | 1 | 920 | UNCH | 293.25B | 68.75A |
| 2695 | ---- | 107.50B | 87.00A | ---- | 107.50+ | 1190 | .460 | ---- | ---- | 36 | UNCH | 109.50B | 72.50A |
| 2700 | 102.50 | 109.25B | 88.50A | ---- | 109.30+ | 1220 | .467 | ---- | 708 | 8139 - | 86 | 297.75B | 71.00A |
| 2705 | ---- | 111.00B | 90.00A | ---- | 111.00+ | 1220 | .474 | ---- | ---- | 24 | UNCH | 113.00B | 75.00A |
| 2710 | ---- | 112.75B | 91.50A | ---- | 112.90+ | 1250 | .482 | ---- | ---- | 886 | UNCH | 302.50B | 73.75A |
| 2715 | 100.25 | 114.75B | 93.00A | ---- | 114.70+ | 1270 | .489 | ---- | 7 | 272 | UNCH | 182.75B | 75.00A |
| 2720 | ---- | 116.50B | 94.50A | ---- | 116.60+ | 1290 | .496 | ---- | ---- | 870 | UNCH | 307.50B | 76.25A |
| 2725 | ---- | 118.50B | 96.25A | ---- | 118.50+ | 1300 | .504 | ---- | ---- | 922 | UNCH | 310.00B | 77.50A |
| 2730 | ---- | 120.50B | 98.00A | ---- | 120.50+ | 1330 | .511 | ---- | ---- | 1405 | UNCH | 312.50B | 79.00A |
| 2735 | ---- | 122.00B | 99.50A | ---- | 122.50+ | 1350 | .519 | ---- | ---- | 279 | UNCH | 196.25B | 80.50A |
| 2740 | ---- | 124.00B | 101.25A | ---- | 124.60+ | 1380 | .527 | ---- | ---- | 2049 | UNCH | 318.00B | 81.75A |
| 2745 | ---- | 126.25B | 103.00A | ---- | 126.60+ | 1400 | .535 | ---- | ---- | 160 | UNCH | 199.75B | 83.25A |
| 2750 | 112.00 | 128.25B | 104.75A | ---- | 128.70+ | 1420 | .542 | ---- | 102 | 1870 - | 100 | 323.00B | 84.75A |
| 2755 | ---- | 130.50B | 106.75A | ---- | 130.90+ | 1440 | .551 | ---- | ---- | 21 | UNCH | 132.50B | 89.50A |
| 2760 | ---- | 132.50B | 108.50A | ---- | 133.10+ | 1460 | .559 | ---- | ---- | 382 | UNCH | 327.75B | 88.00A |
| 2765 | ---- | 134.75B | 110.50A | ---- | 135.30+ | 1480 | .567 | ---- | ---- | 8 | UNCH | 136.75B | 92.75A |
| 2770 | ---- | 137.00B | 112.25A | ---- | 137.50+ | 1490 | .575 | ---- | ---- | 464 | UNCH | 333.50B | 91.25A |
| 2775 | ---- | 139.25B | 114.25A | ---- | 139.80+ | 1510 | .583 | ---- | ---- | 647 | UNCH | 336.00B | 92.75A |
| 2780 | ---- | 141.50B | 116.25A | ---- | 142.10+ | 1520 | .592 | ---- | ---- | 287 | UNCH | 338.75B | 94.50A |
| 2785 | ---- | 144.00B | 118.50A | ---- | 144.50+ | 1540 | .600 | ---- | ---- | 54 | UNCH | 172.25B | 96.25A |
| 2790 | ---- | 146.25B | 120.50A | ---- | 146.90+ | 1550 | .609 | ---- | ---- | 731 | UNCH | 344.00B | 98.00A |
| 2795 | ---- | 148.75B | 122.50A | ---- | 149.30+ | 1560 | .617 | ---- | ---- | 79 | UNCH | 166.75B | 99.75A |
| 2800 | ---- | 151.25B | 124.75A | ---- | 151.90+ | 1590 | .626 | ---- | 125 | 2332 - | 29 | 349.50B | 101.75A |
| 2810 | ---- | 156.50B | 129.50A | ---- | 157.10+ | 1630 | .643 | ---- | ---- | 451 | UNCH | 355.25B | 105.50A |
| 2815 | ---- | 159.25B | 131.75A | ---- | 159.70+ | 1650 | .652 | ---- | ---- | 3 | UNCH | 245.75B | 107.50A |
| 2820 | ---- | 162.00B | 134.25A | ---- | 162.50+ | 1680 | .661 | ---- | ---- | 517 | UNCH | 361.00B | 109.50A |
| 2825 | ---- | 164.75B | 136.50A | ---- | 165.20+ | 1690 | .670 | ---- | ---- | 634 | UNCH | 363.75B | 111.75A |
| 2830 | ---- | 167.50B | 139.00A | ---- | 168.10+ | 1720 | .678 | ---- | ---- | 423 | UNCH | 366.75B | 113.75A |
| 2835 | ---- | 170.50B | 141.50A | ---- | 171.00+ | 1740 | .687 | ---- | ---- | 12 | UNCH | 172.00B | 119.75A |
| 2840 | ---- | 173.25B | 144.25A | ---- | 173.90+ | 1760 | .696 | ---- | ---- | 198 | UNCH | 372.50B | 118.00A |
| 2845 | ---- | 176.25B | 146.75A | ---- | 176.90+ | 1780 | .705 | ---- | ---- | 12 | UNCH | 208.25B | 120.25A |
| 2850 | ---- | 179.25B | 149.50A | ---- | 180.00+ | 1810 | .714 | ---- | ---- | 1435 | UNCH | 378.75B | 122.50A |
| 2860 | ---- | 185.75B | 155.00A | ---- | 186.30+ | 1850 | .731 | ---- | ---- | 215 | UNCH | 385.00B | 127.25A |
| 2870 | ---- | 192.25B | 160.75A | ---- | 192.80+ | 1890 | .748 | ---- | ---- | 456 | UNCH | 391.25B | 132.25A |
| 2875 | ---- | 195.50B | 163.50A | ---- | 196.10+ | 1910 | .757 | ---- | ---- | 131 | UNCH | 394.25B | 134.75A |
| 2880 | ---- | 198.75B | 166.75A | ---- | 199.50+ | 1930 | .765 | ---- | ---- | 125 | UNCH | 397.50B | 137.25A |
| 2885 | ---- | 202.25B | 169.75A | ---- | 203.00+ | 1950 | .773 | ---- | ---- | 1 | UNCH | 203.25B | 144.75A |
| 2890 | ---- | 205.75B | 172.75A | ---- | 206.50+ | 1970 | .782 | ---- | ---- | 62 | UNCH | 404.00B | 141.75A |
| 2900 | 212.25 | 213.00B | 179.25A | ---- | 213.70+ | 2000 | .798 | ---- | 1 | 1078 | UNCH | 410.75B | 145.75A |
| 2910 | ---- | 220.50B | 186.00A | ---- | 221.10+ | 2030 | .814 | ---- | ---- | 304 | UNCH | 417.50B | 149.75A |
| 2915 | ---- | 224.25B | 189.50A | ---- | 224.90+ | 2050 | .822 | ---- | ---- | 100 | UNCH | 321.75B | 157.25A |
| 2920 | ---- | 228.00B | 193.00A | ---- | 228.70+ | 2060 | .829 | ---- | ---- | 283 | UNCH | 424.25B | 153.75A |
| 2925 | ---- | 232.00B | 196.50A | ---- | 232.60+ | 2080 | .836 | ---- | ---- | 59 | UNCH | 427.75B | 155.75A |
| 2930 | ---- | 236.00B | 200.25A | ---- | 236.50+ | 2090 | .844 | ---- | ---- | 649 | UNCH | 431.25B | 158.00A |
| 2940 | ---- | 243.50B | 207.50A | ---- | 244.60+ | 2120 | .858 | ---- | ---- | 50 | UNCH | 438.25B | 162.25A |
| 2950 | ---- | 251.75B | 215.25A | ---- | 252.80+ | 2150 | .871 | ---- | ---- | 407 | UNCH | 445.00B | 166.75A |
| 2960 | ---- | 260.00B | 223.25A | ---- | 261.30+ | 2180 | .883 | ---- | ---- | 70 | UNCH | 451.50B | 171.25A |
| 2970 | ---- | 268.75B | 232.00A | ---- | 269.90+ | 2200 | .893 | ---- | ---- | 111 | UNCH | 459.00B | 176.00A |
| 2975 | ---- | 273.00B | 236.25A | ---- | 274.30+ | 2210 | .899 | ---- | ---- | 108 | UNCH | 462.75B | 178.50A |
| 2980 | ---- | 277.25B | 240.50A | ---- | 278.80+ | 2230 | .903 | ---- | ---- | 134 | UNCH | 466.50B | 180.75A |
| 2990 | ---- | 284.50B | 248.75A | ---- | 287.80+ | 2260 | .912 | ---- | ---- | 92 | UNCH | 474.25B | 185.75A |
| 3000 | ---- | 293.50B | 257.75A | ---- | 296.90+ | 2280 | .921 | ---- | ---- | 71 | UNCH | 482.00B | 191.00A |
| 3010 | ---- | ---- | ---- | ---- | 306.10+ | 2300 | .929 | ---- | ---- | 1 | UNCH | 471.25B | 196.50A |
| 3025 | ---- | ---- | ---- | ---- | 320.10+ | 2320 | .939 | ---- | ---- | 5 | UNCH | 482.75B | 204.75A |
| 3040 | ---- | ---- | ---- | ---- | 334.20+ | 2320 | .948 | ---- | ---- | 7 | UNCH | 495.00B | 213.25A |
| 3050 | ---- | ---- | ---- | ---- | 343.80+ | 2340 | .953 | ---- | ---- | 250 | UNCH | 503.25B | 219.00A |
| 3060 | ---- | ---- | ---- | ---- | 353.40+ | 2340 | .958 | ---- | ---- | 5 | UNCH | 512.00B | 225.00A |
| 3070 | ---- | ---- | ---- | ---- | 363.00+ | 2340 | .962 | ---- | ---- | 9 | UNCH | 520.50B | 231.25A |
| 3075 | ---- | ---- | ---- | ---- | 367.90+ | 2350 | .964 | ---- | ---- | 5 | UNCH | 525.00B | 234.25A |
| 3080 | ---- | ---- | ---- | ---- | 372.80+ | 2350 | .966 | ---- | ---- | 4 | UNCH | 529.25B | 237.50A |
| 3090 | ---- | ---- | ---- | ---- | 382.50+ | 2350 | .970 | ---- | ---- | 5 | UNCH | 538.25B | 244.00A |
| 3100 | ---- | ---- | ---- | ---- | 392.40+ | 2360 | .972 | ---- | ---- | 21 | UNCH | 547.00B | 250.50A |
| 3110 | ---- | ---- | ---- | ---- | 402.20+ | 2360 | .975 | ---- | ---- | 16 | UNCH | 556.00B | 257.50A |
| 3120 | ---- | ---- | ---- | ---- | 412.10+ | 2370 | .977 | ---- | ---- | 4 | UNCH | 564.50B | 264.25A |
| 3125 | ---- | ---- | ---- | ---- | 417.10+ | 2370 | .978 | ---- | ---- | 1 | UNCH | 565.50B | 268.00A |
| 3150 | ---- | ---- | ---- | ---- | 441.90+ | 2380 | .982 | ---- | ---- | 7 | UNCH | 576.50B | 288.25A |
| TOTAL | | | | | | | | | 8737 | 342661 + | 2304 | | |
| MAR19 | EMINI S&P PUT | | | | | | | | | | | | |
| 1150 | ---- | ---- | ---- | ---- | 1.15+ | 10 | .003 | ---- | ---- | 1225 | UNCH | 4.05 | .85A |
| 1175 | 1.40 | 1.40 | 1.15A | ---- | 1.25+ | 10 | .003 | ---- | 20 | 521 | UNCH | 4.25B | .90A |
| 1200 | ---- | ---- | ---- | ---- | 1.40+ | 15 | .004 | ---- | ---- | 435 | UNCH | 4.70B | 1.05A |
| 1225 | ---- | ---- | ---- | ---- | 1.55+ | 20 | .004 | ---- | ---- | 3 | UNCH | 5.25B | 1.15A |
| 1250 | ---- | ---- | 1.45A | ---- | 1.70+ | 20 | .005 | ---- | ---- | 500 | UNCH | 5.75B | 1.10 |
| 1275 | ---- | ---- | 1.55A | ---- | 1.85+ | 20 | .005 | ---- | ---- | 389 | UNCH | 6.25B | 1.30A |
| 1300 | ---- | ---- | 1.70A | ---- | 2.05+ | 25 | .006 | ---- | ---- | 456 | UNCH | 6.75B | 1.40A |
| 1325 | ---- | 2.05B | 1.85A | ---- | 2.25+ | 30 | .007 | ---- | ---- | 975 | UNCH | 7.50B | 1.50A |
| 1350 | ---- | 2.25B | 2.05A | ---- | 2.45+ | 30 | .007 | ---- | ---- | 1862 | UNCH | 8.00B | 1.65A |
| 1375 | ---- | 2.50B | 2.20A | ---- | 2.70+ | 35 | .008 | ---- | ---- | 254 | UNCH | 8.75B | 1.75 |
| 1400 | ---- | 2.75B | 2.40A | ---- | 2.95+ | 35 | .009 | ---- | ---- | 885 | UNCH | 9.50B | 1.90 |
| 1425 | ---- | 3.00B | 2.65A | ---- | 3.25+ | 40 | .010 | ---- | ---- | 202 | UNCH | 10.25B | 2.10A |
| 1450 | ---- | 3.30B | 2.85A | ---- | 3.55+ | 45 | .011 | ---- | ---- | 522 | UNCH | 11.25B | 2.25A |
| 1475 | ---- | 3.65B | 3.15A | ---- | 3.85+ | 45 | .012 | ---- | ---- | 750 | UNCH | 12.00B | 2.50A |
| 1500 | 3.40 | 4.15B | 3.40 | ---- | 4.20+ | 45 | .013 | ---- | 118 | 907 | UNCH | 13.00B | 2.75 |
| 1525 | ---- | 4.50B | 3.70A | ---- | 4.60+ | 50 | .015 | ---- | ---- | 4020 | UNCH | 14.00B | 2.95A |
| 1550 | ---- | 4.95B | 4.05A | ---- | 5.00+ | 55 | .016 | ---- | ---- | 160 | UNCH | 15.25B | 3.20A |
| 1575 | ---- | 5.25B | 4.45A | ---- | 5.50+ | 65 | .018 | ---- | ---- | 4740 | UNCH | 16.25B | 3.50A |
| 1600 | 5.25 | 5.75 | 4.80A | ---- | 6.00+ | 70 | .019 | ---- | 11 | 382 + | 1 | 17.50B | 3.80A |
| 1625 | ---- | 6.25B | 5.25A | ---- | 6.50+ | 70 | .021 | ---- | ---- | 625 | UNCH | 19.00B | 4.10A |
| 1650 | ---- | 6.75B | 5.75A | ---- | 7.10+ | 90 | .023 | ---- | ---- | 2665 | UNCH | 20.25B | 4.45A |
| 1675 | ---- | 7.50B | 6.25A | ---- | 7.70+ | 90 | .025 | ---- | ---- | 5269 | UNCH | 21.75B | 4.90A |
| 1700 | 8.00 | 8.50 | 6.75A | ---- | 8.30+ | 100 | .027 | ---- | 21 | 1152 - | 10 | 23.50B | 5.25A |
| 1725 | ---- | 8.75B | 7.25A | ---- | 9.00+ | 110 | .029 | ---- | ---- | 554 | UNCH | 25.00B | 5.75A |
| 1750 | ---- | 9.50B | 8.00A | ---- | 9.70+ | 120 | .032 | ---- | ---- | 393 | UNCH | 27.00B | 6.25A |
| 1775 | ---- | 10.25B | 8.50A | ---- | 10.50+ | 120 | .035 | ---- | 2 | 445 | UNCH | 28.75B | 6.75A |
| 1800 | ---- | 11.25B | 9.25A | ---- | 11.40+ | 130 | .038 | ---- | ---- | 2884 | UNCH | 31.00B | 7.50A |
| 1825 | ---- | 12.00B | 10.00A | ---- | 12.30+ | 130 | .041 | ---- | ---- | 5660 | UNCH | 33.25B | 8.00A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1850 | ---- | 13.00B | 10.75A | ---- | 13.30+ | 150 | .044 | ---- | ---- | 2102 | UNCH | 35.50B | 8.75A |
| 1860 | ---- | 13.50B | 11.00A | ---- | 13.70+ | 160 | .045 | ---- | ---- | 10 | UNCH | 36.50B | 9.00A |
| 1870 | ---- | 13.75B | 11.50A | ---- | 14.10+ | 170 | .047 | ---- | ---- | 59 | UNCH | 37.50B | 9.25A |
| 1875 | 13.50 | 14.00B | 11.50A | ---- | 14.30+ | 180 | .047 | ---- | 140 | 6068 | UNCH | 38.00B | 9.25A |
| 1880 | ---- | 14.25B | 11.75A | ---- | 14.50+ | 180 | .048 | ---- | ---- | 53 | UNCH | 38.50B | 9.50 |
| 1890 | ---- | 14.75B | 12.25A | ---- | 14.90+ | 180 | .050 | ---- | ---- | 200 | UNCH | 39.50B | 9.75 |
| 1900 | 13.75 | 15.25B | 12.50A | ---- | 15.40+ | 190 | .051 | ---- | 8 | 2629 + | 4 | 40.50B | 10.00 |
| 1910 | ---- | 15.75B | 12.75A | ---- | 15.80+ | 190 | .053 | ---- | ---- | 170 | UNCH | 41.50B | 10.50A |
| 1920 | ---- | 16.00B | 13.25A | ---- | 16.30+ | 190 | .054 | ---- | ---- | 4 | UNCH | 42.75B | 10.75A |
| 1925 | 14.75 | 16.50B | 13.25 | ---- | 16.60+ | 190 | .055 | ---- | 5 | 1079 + | 1 | 43.25B | 11.00A |
| 1930 | ---- | 16.50B | 13.75A | ---- | 16.80+ | 190 | .056 | ---- | ---- | 223 | UNCH | 43.75B | 11.00A |
| 1940 | ---- | 17.00B | 14.00A | ---- | 17.30+ | 190 | .058 | ---- | ---- | 409 | UNCH | 45.00B | 11.50A |
| 1950 | ---- | 17.50B | 14.50A | ---- | 17.80+ | 200 | .060 | ---- | ---- | 362 | UNCH | 46.00B | 11.75A |
| 1960 | ---- | 18.00B | 15.00A | ---- | 18.30+ | 200 | .061 | ---- | ---- | 125 | UNCH | 47.25B | 12.25A |
| 1970 | ---- | 18.75B | 15.25A | ---- | 18.90+ | 210 | .063 | ---- | ---- | 72 | UNCH | 48.50B | 12.50A |
| 1975 | ---- | 19.00B | 15.50A | ---- | 19.20+ | 220 | .064 | ---- | ---- | 4716 | UNCH | 49.00B | 12.75A |
| 1980 | ---- | 19.25B | 15.75A | ---- | 19.40+ | 210 | .065 | ---- | ---- | 136 | UNCH | 49.75B | 12.75A |
| 1990 | ---- | 19.75B | 16.25A | ---- | 20.00+ | 220 | .067 | ---- | ---- | 183 | UNCH | 51.00B | 13.25A |
| 2000 | 17.75 | 20.25B | 16.75A | ---- | 20.60+ | 230 | .069 | ---- | 1 | 1458 - | 1 | 52.25B | 13.75A |
| 2010 | ---- | 21.00B | 17.25A | ---- | 21.20+ | 240 | .071 | ---- | ---- | 245 | UNCH | 53.50B | 14.00 |
| 2020 | ---- | 21.50B | 17.75A | ---- | 21.80+ | 250 | .073 | ---- | ---- | 179 | UNCH | 55.00B | 14.50A |
| 2025 | 18.75 | 22.00B | 18.00A | ---- | 22.10+ | 250 | .074 | ---- | 110 | 845 | UNCH | 55.50B | 14.75A |
| 2030 | ---- | 22.25B | 18.25A | ---- | 22.50+ | 260 | .076 | ---- | ---- | 176 | UNCH | 56.25B | 14.75A |
| 2040 | 20.50 | 22.75B | 18.75A | ---- | 23.10+ | 260 | .078 | ---- | 1 | 1077 - | 1 | 57.75B | 15.25A |
| 2050 | ---- | 23.50B | 19.25A | ---- | 23.80+ | 280 | .080 | ---- | ---- | 2030 | UNCH | 59.25B | 15.75A |
| 2060 | ---- | 24.25B | 19.75A | ---- | 24.50+ | 280 | .083 | ---- | ---- | 102 | UNCH | 60.75B | 16.25A |
| 2070 | ---- | 25.00B | 20.50A | ---- | 25.20+ | 290 | .085 | ---- | ---- | 466 | UNCH | 62.25B | 16.75A |
| 2075 | ---- | 25.25B | 20.75A | ---- | 25.50+ | 290 | .086 | ---- | ---- | 1569 | UNCH | 63.00B | 17.00A |
| 2080 | 22.25 | 25.75B | 21.00A | ---- | 25.80+ | 280 | .087 | ---- | 128 | 4000 | UNCH | 63.75B | 17.25A |
| 2090 | ---- | 26.25B | 21.75A | ---- | 26.60+ | 300 | .090 | ---- | ---- | 694 | UNCH | 65.25B | 17.50A |
| 2100 | ---- | 27.00B | 22.25A | ---- | 27.30+ | 300 | .092 | ---- | ---- | 3162 | UNCH | 66.75B | 18.00A |
| 2110 | ---- | 27.75B | 23.00A | ---- | 28.00+ | 300 | .095 | ---- | ---- | 81 | UNCH | 68.50B | 18.75A |
| 2120 | ---- | 28.50B | 23.50A | ---- | 28.80+ | 310 | .098 | ---- | ---- | 8 | UNCH | 70.00B | 19.25A |
| 2125 | ---- | 29.00B | 23.75A | ---- | 29.20+ | 310 | .099 | ---- | ---- | 4351 | UNCH | 71.00B | 19.50A |
| 2130 | ---- | 29.50B | 24.25A | ---- | 29.60+ | 310 | .101 | ---- | ---- | 503 | UNCH | 71.75B | 19.75A |
| 2140 | ---- | 30.25B | 25.00A | ---- | 30.40+ | 320 | .103 | ---- | ---- | 64 | UNCH | 73.50B | 20.25A |
| 2150 | ---- | 31.00B | 25.50A | ---- | 31.20+ | 330 | .106 | ---- | ---- | 1828 | UNCH | 75.25B | 20.75A |
| 2160 | ---- | 32.00B | 26.25A | ---- | 32.10+ | 340 | .109 | ---- | ---- | 13 | UNCH | 77.00B | 21.50A |
| 2170 | ---- | 32.75B | 27.00A | ---- | 33.00+ | 360 | .113 | ---- | ---- | 265 | UNCH | 78.75B | 22.00A |
| 2175 | 33.75 | 33.75 | 27.50A | ---- | 33.50+ | 370 | .114 | ---- | 1 | 621 | UNCH | 79.75B | 22.25A |
| 2180 | ---- | 33.75B | 27.75A | ---- | 34.00+ | 380 | .116 | ---- | ---- | 6 | UNCH | 80.75B | 22.50A |
| 2190 | 31.25 | 34.75B | 28.50A | ---- | 35.00+ | 400 | .119 | ---- | 1 | 350 - | 1 | 82.50B | 23.25A |
| 2200 | 29.50 | 35.50B | 29.50 | ---- | 35.90+ | 400 | .123 | ---- | 21 | 3321 - | 1 | 84.50B | 24.00A |
| 2210 | ---- | 36.50B | 30.25A | ---- | 36.90+ | 410 | .126 | ---- | ---- | 869 | UNCH | 86.50B | 24.50A |
| 2220 | ---- | 37.50B | 31.00A | ---- | 37.90+ | 420 | .130 | ---- | ---- | 3 | UNCH | 88.50B | 25.25A |
| 2225 | ---- | 38.25B | 31.50A | ---- | 38.40+ | 420 | .131 | ---- | ---- | 1706 | UNCH | 89.50B | 25.50A |
| 2230 | ---- | 38.75B | 32.00A | ---- | 38.90+ | 420 | .133 | ---- | 1000 | 1000 + | 729 | 90.50B | 26.00A |
| 2240 | ---- | 39.75B | 32.75A | ---- | 39.90+ | 430 | .137 | ---- | ---- | 27 | UNCH | 92.75B | 26.75A |
| 2250 | ---- | 40.75B | 33.75A | ---- | 41.00+ | 440 | .141 | ---- | ---- | 4031 | UNCH | 94.75B | 27.50A |
| 2260 | ---- | 42.00B | 34.75A | ---- | 42.10+ | 450 | .144 | ---- | ---- | 2409 | UNCH | 97.00B | 28.25A |
| 2270 | ---- | 43.00B | 35.50A | ---- | 43.20+ | 460 | .148 | ---- | ---- | 8 | UNCH | 99.25B | 29.00A |
| 2275 | ---- | 43.50B | 36.00A | ---- | 43.80+ | 470 | .150 | ---- | ---- | 2 | UNCH | 100.50B | 29.25A |
| 2280 | ---- | 44.25B | 36.50A | ---- | 44.40+ | 480 | .153 | ---- | ---- | 134 | UNCH | 101.50B | 29.75A |
| 2290 | ---- | 45.50B | 37.50A | ---- | 45.50+ | 480 | .157 | ---- | ---- | 50 | UNCH | 103.75B | 30.50A |
| 2300 | 39.00 | 46.50B | 38.50A | ---- | 46.80+ | 500 | .161 | ---- | 1 | 2993 - | 1 | 106.25B | 31.25A |
| 2310 | ---- | 48.00B | 39.75A | ---- | 48.10+ | 510 | .165 | ---- | ---- | 80 | UNCH | 108.50B | 32.25A |
| 2320 | ---- | 49.25B | 40.75A | ---- | 49.40+ | 520 | .170 | ---- | ---- | 1 | UNCH | 111.00B | 33.00A |
| 2325 | ---- | 49.75B | 41.25A | ---- | 50.10+ | 530 | .172 | ---- | ---- | 15 | UNCH | 112.25B | 33.50A |
| 2330 | ---- | 50.50B | 41.75A | ---- | 50.80+ | 540 | .175 | ---- | ---- | 473 | UNCH | 113.50B | 34.00A |
| 2340 | ---- | 51.75B | 43.00A | ---- | 52.10+ | 540 | .180 | ---- | ---- | 1001 | UNCH | 116.00B | 35.00A |
| 2350 | ---- | 53.25B | 44.25A | ---- | 53.60+ | 560 | .185 | ---- | ---- | 786 | UNCH | 118.75B | 36.00A |
| 2360 | ---- | 54.75B | 45.50A | ---- | 55.00+ | 570 | .190 | ---- | ---- | 38 | UNCH | 121.50B | 37.00A |
| 2370 | ---- | 56.25B | 46.75A | ---- | 56.50+ | 590 | .195 | ---- | ---- | 457 | UNCH | 124.00B | 38.00A |
| 2375 | ---- | 57.00B | 47.25A | ---- | 57.30+ | 600 | .197 | ---- | ---- | 124 | UNCH | 125.50B | 38.50A |
| 2380 | ---- | 57.75B | 48.00A | ---- | 58.00+ | 600 | .200 | ---- | ---- | 5 | UNCH | 126.75B | 39.00A |
| 2390 | ---- | 59.25B | 49.25A | ---- | 59.60+ | 610 | .205 | ---- | ---- | 65 | UNCH | 129.75B | 40.00A |
| 2400 | 55.00 | 60.75B | 50.50A | ---- | 61.20+ | 630 | .211 | ---- | 305 | 7227 + | 270 | 132.50B | 41.25A |
| 2410 | ---- | 62.50B | 52.00A | ---- | 62.80+ | 630 | .217 | ---- | ---- | 110 | UNCH | 135.50B | 42.25A |
| 2420 | ---- | 64.25B | 53.50A | ---- | 64.50+ | 650 | .223 | ---- | ---- | 34 | UNCH | 138.50B | 43.50A |
| 2425 | ---- | 65.00B | 54.25A | ---- | 65.40+ | 660 | .226 | ---- | ---- | 233 | UNCH | 140.00B | 44.25A |
| 2430 | ---- | 66.00B | 55.00A | ---- | 66.20+ | 660 | .228 | ---- | ---- | 5608 | UNCH | 141.50B | 44.75A |
| 2440 | ---- | 67.75B | 56.50A | ---- | 68.00+ | 680 | .235 | ---- | ---- | 314 | UNCH | 144.00B | 46.00A |
| 2450 | ---- | 69.50B | 58.00A | ---- | 69.80+ | 690 | .241 | ---- | ---- | 2423 | UNCH | 147.25B | 47.25A |
| 2460 | ---- | 71.25B | 59.50A | ---- | 71.60+ | 700 | .247 | ---- | ---- | 180 | UNCH | 150.25B | 48.50A |
| 2470 | ---- | 73.25B | 61.25A | ---- | 73.60+ | 720 | .254 | ---- | ---- | 417 | UNCH | 153.75B | 50.00A |
| 2475 | ---- | 74.25B | 62.00A | ---- | 74.50+ | 730 | .257 | ---- | ---- | 426 | UNCH | 155.25B | 50.75A |
| 2480 | ---- | 75.25B | 62.75A | ---- | 75.50+ | 740 | .261 | ---- | ---- | 28 | UNCH | 157.00B | 51.25A |
| 2490 | ---- | 77.25B | 64.50A | ---- | 77.50+ | 750 | .268 | ---- | ---- | 353 | UNCH | 160.50B | 52.75A |
| 2500 | 72.00 | 79.25B | 66.25A | ---- | 79.60+ | 780 | .275 | ---- | 65 | 3257 + | 63 | 164.00B | 54.25A |
| 2510 | ---- | 81.25B | 68.00A | ---- | 81.70+ | 800 | .282 | ---- | ---- | 154 | UNCH | 167.50B | 55.75A |
| 2520 | ---- | 83.50B | 70.00A | ---- | 83.90+ | 820 | .289 | ---- | ---- | 55 | UNCH | 171.00B | 57.25A |
| 2525 | ---- | 84.50B | 71.00A | ---- | 85.00+ | 830 | .293 | ---- | ---- | 464 | UNCH | 173.00B | 58.00A |
| 2530 | ---- | 85.75B | 71.75A | ---- | 86.10+ | 840 | .297 | ---- | ---- | 9819 | UNCH | 174.75B | 59.00A |
| 2540 | 79.25 | 88.00B | 73.75A | ---- | 88.40+ | 860 | .305 | ---- | 5 | 227 - | 5 | 178.50B | 60.50A |
| 2550 | ---- | 90.25B | 75.75A | ---- | 90.70+ | 880 | .313 | ---- | ---- | 2399 | UNCH | 182.25B | 62.25A |
| 2560 | ---- | 92.75B | 78.00A | ---- | 93.10+ | 900 | .321 | ---- | ---- | 219 | UNCH | 186.25B | 64.00A |
| 2570 | ---- | 95.25B | 80.00A | ---- | 95.50+ | 910 | .329 | ---- | ---- | 9 | UNCH | 190.00B | 65.75A |
| 2575 | ---- | 96.50B | 81.25A | ---- | 96.80+ | 920 | .334 | ---- | ---- | 2819 | UNCH | 192.00B | 66.75A |
| 2580 | ---- | 97.75B | 82.25A | ---- | 98.00+ | 920 | .338 | ---- | ---- | 350 | UNCH | 194.00B | 67.75A |
| 2590 | ---- | 100.25B | 84.50A | ---- | 100.60+ | 940 | .347 | ---- | ---- | 529 | UNCH | 198.00B | 69.50A |
| 2600 | 92.75 | 103.50 | 86.75A | ---- | 103.20+ | 960 | .356 | ---- | 64 | 2385 | UNCH | 202.00B | 71.50A |
| 2610 | ---- | 105.75B | 89.25A | ---- | 105.90+ | 970 | .365 | ---- | ---- | 370 | UNCH | 206.25B | 73.50A |
| 2620 | ---- | 108.50B | 91.50A | ---- | 108.70+ | 990 | .374 | ---- | ---- | 391 | UNCH | 210.50B | 75.50A |
| 2625 | ---- | 110.00B | 92.75A | ---- | 110.10+ | 1000 | .379 | ---- | ---- | 840 | UNCH | 212.75B | 76.50A |
| 2630 | ---- | 111.25B | 94.25A | ---- | 111.50+ | 1010 | .384 | ---- | ---- | 4403 | UNCH | 215.00B | 77.75A |
| 2640 | ---- | 114.25B | 96.75A | ---- | 114.50+ | 1030 | .394 | ---- | ---- | 1925 | UNCH | 219.50B | 79.75A |
| 2650 | ---- | 117.25B | 99.25A | ---- | 117.50+ | 1050 | .404 | ---- | ---- | 1667 | UNCH | 224.00B | 82.25A |
| 2660 | ---- | 120.50B | 102.00A | ---- | 120.60+ | 1070 | .414 | ---- | ---- | 341 | UNCH | 228.50B | 84.50A |
| 2670 | ---- | 123.50B | 104.75A | ---- | 123.90+ | 1100 | .425 | ---- | ---- | 319 | UNCH | 233.25B | 86.75A |
| 2675 | ---- | 125.25B | 106.25A | ---- | 125.50+ | 1110 | .430 | ---- | ---- | 2639 | UNCH | 235.75B | 88.00A |
| 2680 | ---- | 126.75B | 107.75A | ---- | 127.20+ | 1130 | .436 | ---- | ---- | 318 | UNCH | 238.00B | 89.25A |
| 2690 | ---- | 130.25B | 110.75A | ---- | 130.60+ | 1150 | .447 | ---- | ---- | 257 | UNCH | 243.00B | 91.75A |
| 2700 | ---- | 133.75B | 113.75A | ---- | 134.10+ | 1180 | .458 | ---- | 2 | 2893 + | 2 | 248.00B | 94.50A |
| 2710 | ---- | 137.25B | 116.75A | ---- | 137.80+ | 1220 | .469 | ---- | ---- | 56 | UNCH | 253.00B | 97.00A |
| 2720 | ---- | 140.75B | 120.00A | ---- | 141.50+ | 1250 | .481 | ---- | ---- | 288 | UNCH | 258.25B | 99.75A |
| 2725 | ---- | 142.75B | 121.75A | ---- | 143.40+ | 1270 | .487 | ---- | ---- | 499 | UNCH | 261.00B | 101.25A |
| 2730 | ---- | 144.50B | 123.25A | ---- | 145.30+ | 1280 | .493 | ---- | 2 | 850 + | 2 | 263.75B | 102.75A |
| 2740 | ---- | 148.50B | 126.75A | ---- | 149.20+ | 1320 | .505 | ---- | ---- | 993 | UNCH | 269.00B | 105.75A |
| 2750 | ---- | 152.25B | 130.25A | ---- | 153.20+ | 1360 | .518 | ---- | 107 | 1094 + | 93 | 274.50B | 108.75A |
| 2760 | ---- | 156.50B | 134.00A | ---- | 157.30+ | 1400 | .530 | ---- | ---- | 25 | UNCH | 280.00B | 112.00A |
| 2770 | ---- | 160.50B | 137.50A | ---- | 161.50+ | 1430 | .543 | ---- | ---- | 105 | UNCH | 285.25B | 115.25A |
| 2775 | ---- | 162.75B | 139.50A | ---- | 163.60+ | 1440 | .549 | ---- | ---- | 107 | UNCH | 288.50B | 116.75A |
| 2780 | ---- | 165.00B | 141.50A | ---- | 165.70+ | 1440 | .556 | ---- | ---- | 123 | UNCH | 291.00B | 118.50A |
| 2790 | ---- | 169.25B | 145.50A | ---- | 170.10+ | 1470 | .569 | ---- | ---- | 142 | UNCH | 297.25B | 122.00A |
| 2800 | ---- | 173.75B | 149.50A | ---- | 174.70+ | 1490 | .583 | ---- | 105 | 473 - | 9 | 303.00B | 125.50A |
| 2810 | ---- | 178.50B | 153.75A | ---- | 179.40+ | 1520 | .597 | ---- | ---- | 772 | UNCH | 309.25B | 129.25A |
| 2820 | ---- | 183.50B | 158.00A | ---- | 184.30+ | 1550 | .610 | ---- | ---- | 6 | UNCH | 315.25B | 133.00A |
| 2825 | ---- | 186.00B | 160.25A | ---- | 186.80+ | 1560 | .617 | ---- | ---- | 16 | UNCH | 319.00B | 135.00A |
| 2830 | ---- | 188.50B | 162.50A | ---- | 189.40+ | 1580 | .624 | ---- | ---- | 108 | UNCH | 322.25B | 137.00A |
| 2840 | ---- | 193.75B | 167.00A | ---- | 194.70+ | 1630 | .638 | ---- | ---- | 134 | UNCH | 328.75B | 141.25A |
| 2850 | ---- | 199.00B | 171.75A | ---- | 200.10+ | 1660 | .652 | ---- | ---- | 781 | UNCH | 335.25B | 145.50A |
| 2860 | ---- | 204.50B | 176.75A | ---- | 205.60+ | 1690 | .666 | ---- | ---- | 1565 | UNCH | 342.00B | 149.75A |
| 2880 | ---- | 216.00B | 187.25A | ---- | 217.20+ | 1770 | .695 | ---- | ---- | 12 | UNCH | 355.25B | 158.75A |
| 2890 | ---- | 222.00B | 192.50A | ---- | 223.30+ | 1800 | .709 | ---- | ---- | 21 | UNCH | 362.75B | 163.75A |
| 2900 | ---- | 228.25B | 198.25A | ---- | 229.50+ | 1840 | .723 | ---- | ---- | 832 | UNCH | 370.00B | 168.50A |
| 2940 | ---- | 254.75B | 222.50A | ---- | 256.10+ | 1960 | .779 | ---- | ---- | 85 | UNCH | 374.00B | 190.25A |
| 2950 | ---- | 262.00B | 229.00A | ---- | 263.20+ | 1980 | .792 | ---- | ---- | 204 | UNCH | 373.00B | 195.75A |
| 2975 | ---- | 280.50B | 246.25A | ---- | 281.80+ | 2050 | .824 | ---- | ---- | 7 | UNCH | 387.50B | 211.50A |
| 3000 | ---- | 300.25B | 264.50A | ---- | 301.50+ | 2110 | .852 | ---- | ---- | 250 | UNCH | 404.00B | 228.00A |
| 3020 | ---- | 316.75B | 280.00A | ---- | 318.00+ | 2160 | .873 | ---- | ---- | 1 | UNCH | 347.25B | 242.00A |
| 3050 | ---- | 340.50B | 305.00A | ---- | 343.90+ | 2220 | .901 | ---- | ---- | 3 | UNCH | 370.50B | 264.50A |
| 3225 | ---- | ---- | ---- | ---- | 511.10+ | 2380 | .976 | ---- | ---- | 9 | UNCH | 472.25 | 472.00 |
| TOTAL | | | | | | | | | 2244 | 167089 + | 1136 | | |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN19 | EMINI S&P PUT | | | | | | | | | | | | |
| 1225 | ---- | 2.40B | 2.20A | ---- | 2.55+ | 20 | .007 | ---- | ---- | 3 | UNCH | 3.20 | 2.10 |
| 1375 | ---- | 4.40B | 3.90A | ---- | 4.60+ | 40 | .012 | ---- | ---- | 24 | UNCH | 5.00B | 3.70A |
| 1500 | ---- | 6.75B | 6.00A | ---- | 7.10+ | 60 | .020 | ---- | ---- | 1 | UNCH | 7.75B | 5.50A |
| 1525 | 7.50 | 7.50 | 6.50A | ---- | 7.70+ | 60 | .021 | ---- | 1 | 553 | UNCH | 8.50B | 6.00A |
| 1550 | ---- | 8.00B | 7.00A | ---- | 8.40+ | 70 | .023 | ---- | ---- | 5 | UNCH | 9.00B | 6.50A |
| 1575 | ---- | 8.75B | 7.50A | ---- | 9.10+ | 80 | .025 | ---- | ---- | 8 | UNCH | 9.75B | 7.00 |
| 1600 | 8.00 | 9.50B | 8.00 | ---- | 9.90+ | 90 | .027 | ---- | 1 | 3090 + | 1 | 10.50B | 7.75A |
| 1625 | ---- | 10.25B | 9.00A | ---- | 10.60+ | 90 | .030 | ---- | ---- | 323 | UNCH | 11.50B | 8.25A |
| 1650 | 11.25 | 11.25 | 9.50A | ---- | 11.50+ | 100 | .032 | ---- | 300 | 304 + | 300 | 12.25B | 9.00A |
| 1675 | ---- | 12.00B | 10.25A | ---- | 12.30+ | 110 | .034 | ---- | ---- | 2 | UNCH | 13.25B | 9.50A |
| 1700 | 11.50 | 13.00B | 11.25A | ---- | 13.30+ | 120 | .037 | ---- | 832 | 9832 + | 831 | 14.25B | 10.25 |
| 1725 | ---- | 14.00B | 12.00A | ---- | 14.30+ | 130 | .040 | ---- | ---- | 3 | UNCH | 15.25B | 11.00A |
| 1750 | 12.75 | 15.00B | 12.75 | ---- | 15.30+ | 140 | .043 | ---- | 1 | 5 + | 1 | 16.25B | 11.75A |
| 1775 | ---- | 16.25B | 14.00A | ---- | 16.50+ | 160 | .047 | ---- | ---- | 2 | UNCH | 17.50B | 12.50A |
| 1800 | 17.25 | 17.50B | 15.00A | ---- | 17.70+ | 170 | .050 | ---- | 5 | 13 + | 5 | 18.75B | 13.50A |
| 1825 | ---- | 18.75B | 16.00A | ---- | 19.10+ | 200 | .054 | ---- | ---- | 1 | UNCH | 20.00B | 14.50A |
| 1850 | ---- | 20.00B | 17.00A | ---- | 20.50+ | 220 | .058 | ---- | ---- | 6 | UNCH | 21.50B | 15.50A |
| 1875 | 18.50 | 21.50B | 18.25A | ---- | 21.90+ | 220 | .062 | ---- | 180 | 1000 | UNCH | 23.00B | 16.50A |
| 1900 | 22.25 | 23.00B | 19.75A | ---- | 23.50+ | 240 | .067 | ---- | 1 | 4704 + | 1 | 24.50B | 17.75A |
| 1925 | ---- | 24.75B | 21.00A | ---- | 25.10+ | 250 | .071 | ---- | ---- | 3 | UNCH | 26.25B | 19.00 |
| 1940 | ---- | 25.75B | 21.75A | ---- | 26.00+ | 240 | .074 | ---- | ---- | 9 | UNCH | 27.25B | 19.75A |
| 1950 | ---- | 26.50B | 22.50A | ---- | 26.70+ | 250 | .076 | ---- | ---- | 2 | UNCH | 28.00B | 20.25A |
| 1960 | ---- | 27.25B | 23.00A | ---- | 27.40+ | 250 | .078 | ---- | ---- | 180 | UNCH | 29.00B | 20.75A |
| 1975 | ---- | 28.25B | 24.00A | ---- | 28.50+ | 260 | .081 | ---- | 277 | 3277 + | 277 | 30.00B | 21.75A |
| 2000 | 27.50 | 30.25 | 25.50A | ---- | 30.50+ | 290 | .087 | ---- | 1189 | 13303 + | 1189 | 32.00B | 23.25A |
| 2070 | ---- | 36.25B | 30.75A | ---- | 36.60+ | 340 | .104 | ---- | ---- | 2 | UNCH | 38.25B | 28.00A |
| 2100 | ---- | 39.25B | 33.25A | ---- | 39.50+ | 370 | .113 | ---- | ---- | 1160 | UNCH | 41.00B | 30.25A |
| 2110 | ---- | 40.25B | 34.00A | ---- | 40.50+ | 380 | .115 | ---- | ---- | 120 | UNCH | 42.00B | 31.00A |
| 2150 | ---- | 44.50B | 37.75A | ---- | 44.80+ | 410 | .128 | ---- | 1 | 25 - | 1 | 46.50B | 34.25A |
| 2200 | 45.75 | 50.00 | 42.75A | ---- | 50.50+ | 460 | .144 | ---- | 598 | 3529 + | 355 | 52.25B | 38.75A |
| 2210 | ---- | 51.25B | 43.75A | ---- | 51.80+ | 470 | .148 | ---- | ---- | 33 | UNCH | 53.50B | 39.50A |
| 2220 | ---- | 52.50B | 45.00A | ---- | 53.00+ | 480 | .152 | ---- | ---- | 200 | UNCH | 55.00B | 40.50A |
| 2225 | ---- | 53.25B | 45.50A | ---- | 53.60+ | 480 | .153 | ---- | ---- | 14 | UNCH | 55.50B | 41.00A |
| 2250 | 49.00 | 56.50B | 48.50A | ---- | 56.90+ | 510 | .163 | ---- | 5 | 116 | UNCH | 59.00B | 43.50A |
| 2300 | ---- | 63.75B | 54.50A | ---- | 64.00+ | 550 | .183 | ---- | ---- | 2998 | UNCH | 66.00B | 49.25A |
| 2320 | ---- | 66.75B | 57.25A | ---- | 67.10+ | 580 | .192 | ---- | ---- | 400 | UNCH | 69.25B | 51.75A |
| 2330 | ---- | 68.25B | 58.75A | ---- | 68.70+ | 590 | .197 | ---- | ---- | 60 | UNCH | 70.75B | 52.75A |
| 2350 | 62.75 | 71.75B | 61.50A | ---- | 72.00+ | 610 | .206 | ---- | 2 | 162 + | 2 | 74.25B | 55.50A |
| 2360 | ---- | 73.50B | 63.00A | ---- | 73.70+ | 630 | .211 | ---- | ---- | 1 | UNCH | 76.00B | 56.75A |
| 2370 | ---- | 75.00B | 64.75A | ---- | 75.50+ | 640 | .216 | ---- | ---- | 1 | UNCH | 77.75B | 58.25A |
| 2375 | ---- | 76.00B | 65.50A | ---- | 76.40+ | 650 | .219 | ---- | ---- | 60 | UNCH | 78.50B | 59.00A |
| 2390 | 75.00 | 78.75B | 67.75A | ---- | 79.10+ | NEW | .226 | ---- | 1 | 1 + | 1 | 81.25B | 61.00A |
| 2400 | 73.50 | 80.50B | 69.50 | ---- | 80.90+ | 680 | .232 | ---- | 114 | 2360 + | 105 | 83.25B | 61.75 |
| 2425 | ---- | 85.50B | 73.75A | ---- | 85.80+ | 720 | .245 | ---- | ---- | 75 | UNCH | 88.00B | 66.25A |
| 2440 | ---- | 88.25B | 76.25A | ---- | 88.80+ | 740 | .254 | ---- | ---- | 6 | UNCH | 91.00B | 68.75A |
| 2450 | 83.25 | 90.50B | 78.00A | ---- | 90.90+ | 750 | .260 | ---- | 562 | 659 + | 559 | 93.00B | 70.00A |
| 2460 | ---- | 92.50B | 80.00A | ---- | 93.00+ | 770 | .266 | ---- | ---- | 350 | UNCH | 95.00B | 72.00 |
| 2475 | ---- | 95.75B | 82.75A | ---- | 96.20+ | 780 | .275 | ---- | ---- | 2500 | UNCH | 98.25B | 74.50A |
| 2480 | ---- | 96.75B | 83.75A | ---- | 97.30+ | 790 | .278 | ---- | ---- | 140 | UNCH | 99.50B | 75.50A |
| 2500 | 89.50 | 101.25B | 87.75A | ---- | 101.80+ | 820 | .291 | ---- | 100 | 1077 + | 100 | 103.75B | 79.00A |
| 2510 | ---- | 103.75B | 89.75A | ---- | 104.20+ | 840 | .297 | ---- | ---- | 225 | UNCH | 106.25B | 80.75A |
| 2530 | ---- | 108.50B | 94.00A | ---- | 109.00+ | 860 | .311 | ---- | ---- | 40 | UNCH | 111.00B | 84.50A |
| 2550 | 103.50 | 113.50B | 98.50A | ---- | 114.00+ | 890 | .325 | ---- | 3 | 633 + | 2 | 116.00B | 88.50A |
| 2570 | ---- | 118.50B | 103.00A | ---- | 119.20+ | 920 | .340 | ---- | ---- | 49 | UNCH | 121.00B | 93.00A |
| 2575 | ---- | 120.00B | 104.25A | ---- | 120.50+ | 920 | .343 | ---- | ---- | 1004 | UNCH | 122.50B | 93.75A |
| 2590 | 122.75 | 124.00B | 108.00A | ---- | 124.60+ | NEW | .355 | ---- | 3 | 2 + | 2 | 126.50B | 97.00A |
| 2600 | 116.75 | 126.75B | 110.50A | ---- | 127.40+ | 960 | .363 | ---- | 40 | 2450 | UNCH | 129.25B | 99.50A |
| 2625 | ---- | 134.00B | 117.00A | ---- | 134.60+ | 1000 | .383 | ---- | ---- | 1 | UNCH | 136.50B | 105.25A |
| 2650 | 130.50 | 141.75B | 124.00A | ---- | 142.20+ | 1050 | .404 | ---- | 25 | 7700 + | 25 | 144.25B | 111.50A |
| 2670 | ---- | 148.25B | 129.75A | ---- | 148.60+ | 1090 | .422 | ---- | ---- | 120 | UNCH | 150.75B | 117.00A |
| 2675 | ---- | 150.00B | 131.25A | ---- | 150.20+ | 1100 | .426 | ---- | ---- | 6000 | UNCH | 152.25B | 118.00A |
| 2700 | ---- | 158.50B | 139.00A | ---- | 158.80+ | 1160 | .449 | ---- | ---- | 483 | UNCH | 160.75B | 125.25A |
| 2720 | ---- | 165.50B | 145.50A | ---- | 166.30+ | NEW | .469 | ---- | 150 | 150 + | 150 | 168.00B | 130.75A |
| 2725 | ---- | 167.50B | 147.00A | ---- | 168.20+ | 1250 | .474 | ---- | ---- | 100 | UNCH | 169.75B | 132.25A |
| 2740 | ---- | 173.00B | 152.25A | ---- | 174.20+ | NEW | .489 | ---- | 278 | 278 + | 278 | 175.25B | 137.00A |
| 2750 | ---- | 177.00B | 155.75A | ---- | 178.20+ | 1330 | .499 | ---- | 127 | 4700 + | 100 | 179.25B | 140.25A |
| 2760 | 174.25 | 181.00B | 159.25A | ---- | 182.30+ | NEW | .509 | ---- | 3 | 3 + | 3 | 183.25B | 143.50A |
| 2770 | ---- | 185.00B | 163.00A | ---- | 186.40+ | 1370 | .519 | ---- | 1 | 12 + | 1 | 187.25B | 146.75A |
| 2775 | ---- | 187.00B | 164.75A | ---- | 188.50+ | 1380 | .525 | ---- | ---- | 4551 | UNCH | 189.25B | 148.50A |
| 2780 | 178.50 | 189.00B | 166.75A | ---- | 190.60+ | 1390 | .530 | ---- | 49 | 124 + | 49 | 190.75B | 150.00A |
| 2800 | 186.50 | 197.50B | 174.50A | ---- | 199.20+ | 1420 | .552 | ---- | 4 | 770 + | 1 | 199.50B | 157.25A |
| 2825 | ---- | 209.00B | 184.75A | ---- | 210.70+ | 1490 | .579 | ---- | ---- | 1 | UNCH | 210.75B | 166.75A |
| 2900 | ---- | 247.75B | 220.25A | ---- | 249.60+ | 1690 | .666 | ---- | ---- | 1 | UNCH | 249.00B | 198.75A |
| 2910 | ---- | 253.50B | 225.25A | ---- | 255.30+ | 1710 | .678 | ---- | ---- | 1 | UNCH | 254.75B | 203.75A |
| 2990 | ---- | 304.50B | 272.50A | ---- | 306.40+ | 1920 | .771 | ---- | ---- | 5 | UNCH | 305.00B | 246.75A |
| TOTAL | | | | | | | | | 4853 | 82105 + | 4337 | | |
| EOM EMINI S&P P | | | | | | | | | | | | | |
| JUN18 | EOM EMINI S&P P | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 663 | UNCH | .15 | .15 |
| 1025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | UNCH | 4.65B | .10A |
| 1100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | 6.00B | .05A |
| 1125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 6.75B | .05A |
| 1150 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 8 | UNCH | 7.25B | .05A |
| 1175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 124 | UNCH | 8.00B | .05A |
| 1200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 10.00 | .05A |
| 1225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 45 | UNCH | 9.50B | .10A |
| 1250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 221 | UNCH | 11.25 | .05 |
| 1275 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 547 | UNCH | 12.00 | .10A |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 130 | UNCH | 12.75 | .05A |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 269 | UNCH | 13.50 | .05A |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 679 | UNCH | 14.50 | .05 |
| 1375 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 195 | UNCH | 15.50 | .05A |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 447 | UNCH | 16.50 | .10A |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 830 | UNCH | 17.50 | .10A |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 595 | UNCH | 18.75 | .10A |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 367 | UNCH | 20.00 | .10A |
| 1500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 858 | UNCH | 21.25 | .10A |
| 1525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 430 | UNCH | 24.00 | .10A |
| 1550 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 900 | UNCH | 25.50 | .10A |
| 1575 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 699 | UNCH | 25.50B | .10A |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2510 | UNCH | 28.50 | .10 |
| 1625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1764 | UNCH | 29.00 | .05 |
| 1650 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2642 | UNCH | 30.75B | .10A |
| 1660 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 106 | UNCH | 31.50B | .15A |
| 1670 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | 32.25B | .15A |
| 1675 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 998 | UNCH | 32.75B | .15A |
| 1680 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 811 | UNCH | 33.00B | .05A |
| 1690 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1543 | UNCH | 33.75B | .10 |
| 1700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1940 | UNCH | 34.75B | .10 |
| 1710 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 74 | UNCH | 35.50B | .05 |
| 1720 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1558 | UNCH | 36.25B | .15A |
| 1725 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1485 | UNCH | 36.75B | .10 |
| 1730 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1546 | UNCH | 37.00B | .15A |
| 1740 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 570 | UNCH | 38.00B | .15A |
| 1750 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 711 | UNCH | 39.00 | .15 |
| 1760 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 532 | UNCH | 39.75B | .15 |
| 1770 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 679 | UNCH | 40.75B | .15 |
| 1775 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 511 | UNCH | 41.00B | .15 |
| 1780 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1493 | UNCH | 41.50B | .20 |
| 1790 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 726 | UNCH | 42.50B | .15 |
| 1800 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 495 | UNCH | 43.50B | .05 |
| 1810 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 191 | UNCH | 44.50B | .15 |
| 1820 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 81 | UNCH | 45.50B | .15 |
| 1825 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 86 | UNCH | 46.00B | .20A |
| 1830 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 60 | UNCH | 46.50B | .25A |
| 1840 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 329 | UNCH | 47.50B | .15 |
| 1850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3285 | UNCH | 48.50B | .05 |
| 1860 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 923 | UNCH | 50.00 | .10A |
| 1870 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 162 | UNCH | 50.75B | .10A |
| 1875 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 503 | UNCH | 51.25B | .10A |
| 1880 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 26 | UNCH | 51.75B | .10A |
| 1890 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 369 | UNCH | 53.00B | .10A |
| 1900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 335 | UNCH | 54.00 | .05 |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1910 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 818 | UNCH | 55.25B | .10A |
| 1920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 773 | UNCH | 56.25B | .10A |
| 1925 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 280 | UNCH | 57.00B | .15A |
| 1930 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 656 | UNCH | 57.50B | .10A |
| 1940 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 943 | UNCH | 61.25 | .15A |
| 1950 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 625 | UNCH | 60.00B | .05 |
| 1960 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2821 | UNCH | 61.25B | .05 |
| 1970 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 439 | UNCH | 62.50B | .05 |
| 1975 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 474 | UNCH | 63.25B | .05 |
| 1980 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 384 | UNCH | 64.00B | .10A |
| 1990 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 194 | UNCH | 65.25B | .10 |
| 2000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2253 | UNCH | 66.50B | .05 |
| 2010 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 503 | UNCH | 68.00B | .05 |
| 2020 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 875 | UNCH | 69.25B | .05 |
| 2025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1173 | UNCH | 70.00B | .05 |
| 2030 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1181 | UNCH | 70.75B | .05 |
| 2040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1164 | UNCH | 72.25B | .05 |
| 2050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1834 | UNCH | 73.75B | .05 |
| 2060 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 432 | UNCH | 75.25B | .05 |
| 2070 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1105 | UNCH | 76.75B | .10A |
| 2075 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1098 | UNCH | 77.50B | .10A |
| 2080 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2054 | UNCH | 78.25B | .10A |
| 2090 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2639 | UNCH | 86.25 | .05 |
| 2100 | 0.05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 3 | 4448 - | 2 | 81.50B | .05 |
| 2110 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 599 | UNCH | 83.00B | .05 |
| 2120 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3165 | UNCH | 84.75B | .05 |
| 2125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2185 | UNCH | 85.50B | .05 |
| 2130 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3535 | UNCH | 86.50B | .05 |
| 2140 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2748 | UNCH | 88.25B | .05 |
| 2150 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1268 | UNCH | 90.00B | .05 |
| 2160 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1983 | UNCH | 91.75B | .10 |
| 2170 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 827 | UNCH | 93.50B | .15A |
| 2175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2237 | UNCH | 94.25B | .05 |
| 2180 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1124 | UNCH | 95.25B | .05 |
| 2190 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2975 | UNCH | 98.75 | .05A |
| 2200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3429 | UNCH | 99.00B | .05A |
| 2210 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1142 | UNCH | 101.00B | .05A |
| 2220 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1778 | UNCH | 103.00B | .10 |
| 2225 | 0.05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 900 | 2296 + | 829 | 104.00B | .05 |
| 2230 | ---- | ---- | ---- | ---- | .05+ | 5 | ---- | ---- | ---- | 552 | UNCH | 105.00B | .10 |
| 2240 | ---- | ---- | ---- | ---- | .05+ | 5 | ---- | ---- | ---- | 597 | UNCH | 107.00B | .05 |
| 2250 | 0.05 | .05 | .05 | ---- | .05+ | 5 | ---- | ---- | 1 | 1593 + | 1 | 109.00B | .05 |
| 2260 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 3587 | UNCH | 111.00B | .05 |
| 2270 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 1078 | UNCH | 113.25B | .10A |
| 2275 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 1385 | UNCH | 114.25B | .05 |
| 2280 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | 2 | 1802 | UNCH | 115.25B | .05 |
| 2290 | 0.10 | .10 | .05 | ---- | .05 | UNCH | .000 | ---- | 57 | 3401 + | 41 | 117.50B | .05 |
| 2300 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 3489 | UNCH | 119.75B | .05 |
| 2305 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 671 | UNCH | 31.00B | .10A |
| 2310 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | 2 | 1058 - | 2 | 122.00B | .10A |
| 2315 | 0.05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 10 | 430 - | 10 | 32.75 | .05 |
| 2320 | 0.10 | .10 | .10 | ---- | .05 | UNCH | .000 | ---- | 796 | 1853 + | 796 | 124.50B | .10 |
| 2325 | 0.05 | .10 | *.05 | ---- | .05 | UNCH | .000 | ---- | 2790 | 3341 + | 1791 | 125.50B | .05 |
| 2330 | 0.05 | .10 | *.05 | ---- | .10+ | 5 | .000 | ---- | 527 | 7084 + | 470 | 126.75B | .05 |
| 2335 | 0.10 | .10 | *.05A | ---- | .10 | UNCH | .000 | ---- | 1512 | 3218 + | 1403 | 43.25B | .05A |
| 2340 | ---- | ---- | *.05A | ---- | .10 | UNCH | .000 | ---- | ---- | 2257 | UNCH | 129.00B | .05A |
| 2345 | ---- | ---- | *.05A | ---- | .10 | UNCH | .000 | ---- | ---- | 1043 | UNCH | 45.00B | .05A |
| 2350 | 0.05 | .10B | *.05 | ---- | .10 | UNCH | .000 | ---- | 40 | 4552 | UNCH | 131.25B | .05 |
| 2355 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 741 | UNCH | 46.75B | .10 |
| 2360 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 1805 | UNCH | 134.00B | .10 |
| 2365 | 0.05 | .10B | *.05 | ---- | .10 | UNCH | .000 | ---- | 1 | 1140 | UNCH | 48.50B | .05 |
| 2370 | 0.15 | .15 | .10A | ---- | .10- | 5 | .000 | ---- | 200 | 1760 + | 200 | 136.50B | .10 |
| 2375 | 0.05 | .15 | *.05 | ---- | .10- | 5 | .000 | ---- | 367 | 1605 + | 267 | 137.75B | .05 |
| 2380 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | 1 | 2080 | UNCH | 139.00B | .10 |
| 2385 | 0.10 | .15 | .10 | ---- | .10- | 5 | .000 | ---- | 55 | 2062 + | 15 | 52.50B | .10A |
| 2390 | 0.15 | .15 | .10A | ---- | .15 | UNCH | .000 | ---- | 285 | 5034 + | 231 | 141.75B | .10A |
| 2395 | 0.05 | .15 | *.05 | ---- | .15 | UNCH | .000 | ---- | 163 | 1599 + | 103 | 54.50B | .05 |
| 2400 | 0.10 | .20 | .05 | ---- | .20+ | 5 | .000 | ---- | 878 | 9550 - | 14 | 144.25B | .05 |
| 2405 | 0.15 | .15 | .10A | ---- | .20+ | 5 | .000 | ---- | 203 | 2562 + | 1 | 56.75B | .10A |
| 2410 | 0.15 | .20 | *.10A | ---- | .20+ | 5 | .000 | ---- | 515 | 2408 + | 500 | 147.00B | .10A |
| 2415 | 0.15 | .15 | *.10A | ---- | .20+ | 5 | .000 | ---- | 65 | 1961 + | 15 | 59.00B | .10A |
| 2420 | 0.10 | .10 | *.10 | ---- | .20+ | 5 | .000 | ---- | 2 | 2942 | UNCH | 149.50B | .10 |
| 2425 | 0.15 | .20 | *.10A | ---- | .20+ | 5 | .000 | ---- | 225 | 2190 - | 23 | 151.00B | .10A |
| 2430 | 0.20 | .20 | *.10A | ---- | .20+ | 5 | .000 | ---- | 202 | 968 + | 200 | 152.25B | .10A |
| 2435 | 0.10 | .15B | *.10 | ---- | .20+ | 5 | .000 | ---- | 2 | 1595 + | 2 | 63.75B | .10 |
| 2440 | 0.10 | .20B | *.10 | ---- | .20+ | 5 | .000 | ---- | 38 | 1821 + | 38 | 155.25B | .10 |
| 2445 | 0.10 | .20 | *.10 | ---- | .25+ | 10 | .001 | ---- | 231 | 2285 + | 184 | 66.25B | .10 |
| 2450 | 0.10 | .20 | *.10 | ---- | .25+ | 10 | .001 | ---- | 236 | 5731 + | 13 | 158.25B | .10 |
| 2455 | 0.20 | .20 | *.10A | ---- | .25+ | 10 | .001 | ---- | 414 | 3201 + | 216 | 68.75B | .10A |
| 2460 | 0.10 | .20 | *.10 | ---- | .25+ | 10 | .001 | ---- | 793 | 2804 + | 295 | 161.00B | .10 |
| 2465 | 0.25 | .25 | *.10A | ---- | .25+ | 10 | .001 | ---- | 2 | 1546 + | 2 | 71.50B | .10A |
| 2470 | 0.15 | .20B | *.10A | ---- | .25+ | 10 | .001 | ---- | 26 | 3231 + | 24 | 164.00B | .10A |
| 2475 | 0.10 | .20B | *.10 | ---- | .25+ | 10 | .001 | ---- | 612 | 3497 + | 561 | 165.50B | .10 |
| 2480 | 0.25 | .25 | *.10A | ---- | .25+ | 5 | .001 | ---- | 606 | 1903 + | 317 | 167.00B | .10A |
| 2485 | 0.30 | .30 | *.10A | ---- | .25+ | 5 | .001 | ---- | 2 | 944 | UNCH | 77.00B | .10A |
| 2490 | 0.15 | .20 | *.10A | ---- | .25+ | 5 | .001 | ---- | 64 | 1918 + | 19 | 170.00B | .10A |
| 2495 | 0.10 | .25 | *.10 | ---- | .25+ | 5 | .001 | ---- | 251 | 3138 + | 131 | 80.00B | .10 |
| 2500 | 0.20 | .30 | *.10 | ---- | .25+ | 5 | .001 | ---- | 2499 | 7256 + | 905 | 173.25B | .10 |
| 2505 | 0.10 | .25 | *.10 | ---- | .25+ | 5 | .001 | ---- | 36 | 2868 - | 20 | 83.25B | .10 |
| 2510 | 0.10 | .30 | *.10 | ---- | .25+ | 5 | .001 | ---- | 1778 | 4238 + | 1427 | 176.50B | .10 |
| 2515 | 0.30 | .30 | *.10 | ---- | .30+ | 5 | .002 | ---- | 433 | 3154 + | 137 | 86.50B | .10 |
| 2520 | 0.15 | .30 | *.10A | ---- | .30+ | 5 | .002 | ---- | 857 | 3771 - | 691 | 179.75B | .10A |
| 2525 | 0.20 | .30B | *.10 | ---- | .30+ | 5 | .002 | ---- | 867 | 3620 + | 233 | 181.50B | .10 |
| 2530 | 0.30 | .30 | *.15A | ---- | .30+ | 5 | .002 | ---- | 325 | 7332 + | 66 | 183.00B | .15A |
| 2535 | 0.15 | .30B | *.15 | ---- | .35+ | 10 | .003 | ---- | 503 | 1444 + | 482 | 93.25B | .15 |
| 2540 | 0.30 | .40 | *.15A | ---- | .35+ | 10 | .003 | ---- | 1541 | 3044 - | 124 | 186.50B | .15A |
| 2545 | 0.30 | .35 | *.15A | ---- | .35+ | 5 | .003 | ---- | 3849 | 3300 + | 2151 | 96.75B | .15A |
| 2550 | 0.45 | .45 | *.15A | ---- | .40+ | 10 | .004 | ---- | 1509 | 7789 + | 479 | 190.00B | .15A |
| 2555 | 0.30 | .45 | *.15 | ---- | .40+ | 10 | .004 | ---- | 600 | 4971 + | 194 | 100.50B | .15 |
| 2560 | 0.25 | .50 | *.15 | ---- | .40+ | 10 | .004 | ---- | 1470 | 1717 + | 74 | 193.50B | .15 |
| 2565 | 0.15 | .50B | *.15 | ---- | .45+ | 15 | .005 | ---- | 3631 | 2889 + | 119 | 104.50B | .15 |
| 2570 | 0.30 | .55 | *.15 | ---- | .45+ | 10 | .005 | ---- | 1069 | 1324 + | 125 | 197.00B | .15 |
| 2575 | 0.30 | .60B | *.15 | ---- | .50+ | 15 | .006 | ---- | 1947 | 6800 + | 1001 | 199.00B | .15 |
| 2580 | 0.70 | .75 | *.15A | ---- | .50+ | 10 | .006 | ---- | 928 | 2775 + | 236 | 200.50B | .15A |
| 2585 | 0.40 | .75 | *.15 | ---- | .55+ | 15 | .007 | ---- | 901 | 2320 + | 1 | 112.75B | .15 |
| 2590 | 0.35 | .90 | *.15 | ---- | .60+ | 15 | .008 | ---- | 2219 | 13161 + | 415 | 204.25B | .15 |
| 2595 | 0.40 | .95 | *.15 | ---- | .65+ | 20 | .009 | ---- | 1867 | 2961 + | 1542 | 116.75B | .15 |
| 2600 | 0.45 | 1.10 | *.10 | ---- | .70+ | 20 | .011 | ---- | 5529 | 12363 + | 1640 | 208.25B | .10 |
| 2605 | 0.80 | 1.25 | *.20 | ---- | .75+ | 20 | .012 | ---- | 1421 | 2972 + | 296 | 121.25B | .20 |
| 2610 | 0.65 | 1.30B | *.20 | ---- | .85+ | 25 | .015 | ---- | 973 | 2577 - | 231 | 212.00B | .20 |
| 2615 | 1.00 | 1.45B | *.20 | ---- | .95+ | 30 | .017 | ---- | 2274 | 3467 + | 1135 | 126.00B | .20 |
| 2620 | 1.15 | 1.75B | *.20 | ---- | 1.10+ | 40 | .021 | ---- | 1492 | 3787 + | 140 | 216.00B | .20 |
| 2625 | 1.30 | 2.00B | *.25A | ---- | 1.30+ | 50 | .027 | ---- | 3744 | 4968 + | 536 | 217.75B | .25A |
| 2630 | 0.75 | 2.35B | *.25 | ---- | 1.50+ | 65 | .033 | ---- | 2052 | 5883 + | 844 | 219.75B | .25 |
| 2635 | 0.80 | 2.70B | *.25A | ---- | 1.75+ | 75 | .040 | ---- | 526 | 3012 - | 57 | 136.00B | .25A |
| 2640 | 1.75 | 3.10B | *.30A | ---- | 2.05+ | 95 | .050 | ---- | 1928 | 2693 + | 322 | 224.25B | .30A |
| 2645 | 1.90 | 3.55B | *.30 | ---- | 2.40+ | 115 | .061 | ---- | 930 | 2730 + | 20 | 141.25B | .30 |
| 2650 | 1.50 | 4.10B | *.35 | ---- | 2.85+ | 140 | .076 | ---- | 5723 | 8321 + | 1537 | 228.50B | .35 |
| 2655 | 2.50 | 4.65B | *.40A | ---- | 3.35+ | 170 | .092 | ---- | 1964 | 2377 - | 62 | 146.75B | .40A |
| 2660 | 1.55 | 5.25B | *.45 | ---- | 3.95+ | 200 | .113 | ---- | 3585 | 2771 - | 291 | 232.75B | .45 |
| 2665 | 2.00 | 6.00B | *.55A | ---- | 4.60+ | 235 | .136 | ---- | 1023 | 2643 - | 215 | 152.25B | .55A |
| 2670 | 3.15 | 6.75B | *.65A | ---- | 5.40+ | 280 | .164 | ---- | 2727 | 2296 + | 83 | 237.25B | .65A |
| 2675 | 2.70 | 7.75B | *.80A | ---- | 6.40+ | 335 | .198 | ---- | 3067 | 5234 - | 585 | 239.25B | .80A |
| 2680 | 3.45 | 8.75B | *.90 | ---- | 7.40+ | 390 | .235 | ---- | 3139 | 3299 + | 834 | 241.50B | .90 |
| 2685 | 4.50 | 10.00B | *1.10 | ---- | 8.70+ | 465 | .279 | ---- | 4045 | 2972 + | 1207 | 164.25B | 1.10 |
| 2690 | 4.90 | 11.75 | *1.35 | ---- | 10.00+ | 530 | .326 | ---- | 6308 | 4526 + | 2261 | 246.25B | 1.35 |
| 2695 | 5.00 | 13.00 | *1.60A | ---- | 11.60+ | 620 | .379 | ---- | 4288 | 2563 + | 1176 | 170.50B | 1.60A |
| 2700 | 6.75 | 15.00 | *1.90 | ---- | 13.30+ | 710 | .436 | ---- | 12431 | 10132 + | 1576 | 250.75B | 1.90 |
| 2705 | 7.50 | 16.50 | *2.30A | ---- | 15.30+ | 810 | .498 | ---- | 4664 | 3776 + | 737 | 177.00B | 2.30A |
| 2710 | 8.00 | 19.00 | *2.75A | ---- | 17.60+ | 930 | .564 | ---- | 5732 | 4708 + | 1604 | 255.75B | 2.75A |
| 2715 | 10.00 | 22.25 | *3.35A | ---- | 20.10+ | 1050 | .631 | ---- | 8158 | 2846 + | 571 | 183.75B | 3.35A |
| 2720 | 11.75 | 26.00 | 3.95 | ---- | 22.90+ | 1190 | .698 | ---- | 6242 | 7895 - | 205 | 260.75B | 3.80A |
| 2725 | 13.25 | 28.00 | 4.80A | ---- | 26.00+ | 1330 | .762 | ---- | 2569 | 2702 + | 297 | 263.25B | 4.15A |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2730 | 13.25 | 29.75 | 6.00 | ---- | 29.40+ | 1470 | .821 | ---- | 4517 | 3090 + | 546 | 265.50B | 4.55A |
| 2735 | 26.50 | 32.75B | 7.00 | ---- | 33.10+ | 1620 | .872 | ---- | 2714 | 2406 - | 56 | 195.75B | 5.00A |
| 2740 | 21.50 | 39.00 | 8.25 | ---- | 37.10+ | 1760 | .914 | ---- | 1863 | 3838 + | 233 | 270.75B | 5.50A |
| 2745 | 13.50 | 42.25 | 10.00A | ---- | 41.40+ | 1900 | .945 | ---- | 756 | 2084 + | 24 | 202.00B | 6.25A |
| 2750 | 30.00 | 45.75 | 12.00 | ---- | 45.90+ | 2020 | .967 | ---- | 750 | 3530 - | 377 | 276.00B | 6.75 |
| 2755 | 42.00 | 49.25B | 14.75A | ---- | 50.60+ | 2120 | .980 | ---- | 31 | 1794 - | 3 | 207.00B | 7.50A |
| 2760 | 31.00 | 57.00 | 17.50A | ---- | 55.40+ | 2200 | .988 | ---- | 92 | 1505 - | 16 | 281.50B | 8.50A |
| 2765 | 27.75 | 59.00 | 21.00A | ---- | 60.30+ | 2260 | .994 | ---- | 55 | 1514 + | 1 | 215.00B | 9.50A |
| 2770 | 55.00 | 63.25B | 24.75A | ---- | 65.20+ | 2290 | .997 | ---- | 4 | 1983 + | 1 | 287.25B | 10.75A |
| 2775 | 52.00 | 68.25B | 30.25A | ---- | 70.10+ | 2310 | .999 | ---- | 12 | 1759 + | 1 | 290.00B | 12.00A |
| 2780 | 41.50 | 73.25B | 35.50A | ---- | 75.10+ | 2320 | .999 | ---- | 38 | 6651 - | 1 | 293.00B | 13.75A |
| 2785 | 40.75 | 78.25B | 40.25A | ---- | 80.10+ | 2330 | .999 | ---- | 2 | 305 - | 1 | 231.25B | 16.25A |
| 2790 | 77.00 | 81.75B | 46.75A | ---- | 85.10+ | 2340 | .999 | ---- | 5 | 735 + | 2 | 299.00B | 18.50A |
| 2795 | ---- | ---- | 50.00A | ---- | 90.00+ | 2340 | .999 | ---- | ---- | 812 | UNCH | 239.50B | 21.00A |
| 2800 | ---- | ---- | ---- | ---- | 95.00+ | 2340 | .999 | ---- | ---- | 1025 | UNCH | 305.00B | 23.50A |
| 2805 | ---- | ---- | ---- | ---- | 100.00+ | 2340 | .999 | ---- | ---- | 16 | UNCH | 248.25B | 26.00A |
| 2810 | ---- | ---- | ---- | ---- | 105.00+ | 2350 | 1.000 | ---- | 22 | 634 | UNCH | 311.25B | 28.75A |
| 2815 | ---- | ---- | ---- | ---- | 110.00+ | 2350 | 1.000 | ---- | ---- | 247 | UNCH | 257.00B | 31.75A |
| 2820 | ---- | ---- | ---- | ---- | 115.00+ | 2350 | 1.000 | ---- | ---- | 93 | UNCH | 317.75B | 34.75A |
| 2825 | ---- | ---- | ---- | ---- | 120.00+ | 2350 | 1.000 | ---- | ---- | 204 | UNCH | 321.25B | 38.25A |
| 2830 | ---- | ---- | ---- | ---- | 125.00+ | 2350 | 1.000 | ---- | ---- | 225 | UNCH | 324.50B | 41.75A |
| 2835 | ---- | ---- | ---- | ---- | 130.00+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 274.75B | 45.50A |
| 2840 | ---- | ---- | ---- | ---- | 135.00+ | 2350 | 1.000 | ---- | ---- | 101 | UNCH | 331.25B | 49.50A |
| 2850 | ---- | ---- | ---- | ---- | 145.00+ | 2355 | 1.000 | ---- | ---- | 376 | UNCH | 338.25B | 58.50A |
| 2860 | ---- | ---- | ---- | ---- | 155.00+ | 2355 | 1.000 | ---- | ---- | 222 | UNCH | 345.00B | 67.50A |
| 2870 | ---- | ---- | ---- | ---- | 164.95+ | 2350 | 1.000 | ---- | ---- | 79 | UNCH | 352.25B | 78.25A |
| 2875 | ---- | ---- | ---- | ---- | 169.95+ | 2350 | 1.000 | ---- | ---- | 30 | UNCH | 356.00B | 80.50A |
| 2880 | ---- | ---- | ---- | ---- | 174.95+ | 2350 | 1.000 | ---- | ---- | 174 | UNCH | 359.75B | 82.25A |
| 2890 | ---- | ---- | ---- | ---- | 184.95+ | 2350 | 1.000 | ---- | ---- | 73 | UNCH | 367.50B | 86.00A |
| 2900 | ---- | ---- | ---- | ---- | 194.95+ | 2350 | 1.000 | ---- | ---- | 36 | UNCH | 375.25B | 90.00A |
| 2910 | ---- | ---- | ---- | ---- | 204.95+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 383.25B | 94.25A |
| 2920 | ---- | ---- | ---- | ---- | 214.95+ | 2350 | 1.000 | ---- | ---- | 5 | UNCH | 391.25B | 98.75A |
| 2925 | ---- | ---- | ---- | ---- | 219.95+ | 2350 | 1.000 | ---- | ---- | 30 | UNCH | 395.25B | 101.00A |
| 2930 | ---- | ---- | ---- | ---- | 224.95+ | 2350 | 1.000 | ---- | ---- | 10 | UNCH | 399.50B | 103.25A |
| 2940 | ---- | ---- | ---- | ---- | 234.95+ | 2350 | 1.000 | ---- | ---- | 5 | UNCH | 407.75B | 108.25A |
| 2950 | ---- | ---- | ---- | ---- | 244.95+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 416.25B | 113.50A |
| 2960 | ---- | ---- | ---- | ---- | 254.95+ | 2350 | 1.000 | ---- | ---- | 6 | UNCH | 411.25B | 119.00A |
| 2970 | ---- | ---- | ---- | ---- | 264.95+ | 2350 | 1.000 | ---- | ---- | 3 | UNCH | 420.00B | 124.75A |
| 2975 | ---- | ---- | ---- | ---- | 269.95+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 424.50B | 127.75A |
| 2980 | ---- | ---- | ---- | ---- | 274.95+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 428.75B | 130.75A |
| 2990 | ---- | ---- | ---- | ---- | 284.95+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 437.75B | 137.00A |
| 3000 | ---- | ---- | ---- | ---- | 294.95+ | 2350 | 1.000 | ---- | ---- | 662 | UNCH | 444.25B | 143.25A |
| 3010 | ---- | ---- | ---- | ---- | 304.95+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 447.50B | 150.00A |
| 3020 | ---- | ---- | ---- | ---- | 314.95+ | 2350 | 1.000 | ---- | ---- | 58 | UNCH | 377.25B | 157.00A |
| 3025 | ---- | ---- | ---- | ---- | 319.95+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 382.00B | 160.75A |
| 3030 | ---- | ---- | ---- | ---- | 324.95+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 387.00B | 164.25A |
| 3060 | ---- | ---- | ---- | ---- | 354.95+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 416.50B | 191.50A |
| 3070 | ---- | ---- | ---- | ---- | 364.95+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 426.50B | 199.50A |
| 3075 | ---- | ---- | ---- | ---- | 369.95+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 431.50B | 203.75A |
| 3080 | ---- | ---- | ---- | ---- | 374.95+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 436.25B | 208.00A |
| 3090 | ---- | ---- | ---- | ---- | 384.95+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 446.25B | 216.50A |
| 3100 | ---- | ---- | ---- | ---- | 394.95+ | 2355 | 1.000 | ---- | ---- | 1 | UNCH | 456.25B | 223.75A |
| 3120 | ---- | ---- | ---- | ---- | 414.95+ | 2355 | 1.000 | ---- | ---- | 1 | UNCH | 373.25B | 243.00A |
| 3125 | ---- | ---- | ---- | ---- | 419.95+ | 2355 | 1.000 | ---- | ---- | 1 | UNCH | 378.25B | 247.50A |
| 3140 | ---- | ---- | ---- | ---- | 434.95+ | 2355 | 1.000 | ---- | ---- | 1 | UNCH | 392.50B | 322.00A |
| 3150 | ---- | ---- | ---- | ---- | 444.95+ | 2355 | 1.000 | ---- | ---- | 1 | UNCH | 402.50B | 331.50A |
| 3160 | ---- | ---- | ---- | ---- | 454.95+ | 2355 | 1.000 | ---- | ---- | 4 | UNCH | 412.25B | 341.25A |
| 3170 | ---- | ---- | ---- | ---- | 464.95+ | 2355 | 1.000 | ---- | ---- | 1 | UNCH | 422.00B | 351.00A |
| 3175 | ---- | ---- | ---- | ---- | 469.95+ | 2355 | 1.000 | ---- | ---- | 22 | UNCH | 564.25B | 355.75A |
| 3180 | ---- | ---- | ---- | ---- | 474.95+ | 2355 | 1.000 | ---- | ---- | 1 | UNCH | 431.75B | 360.75A |
| 3200 | ---- | ---- | ---- | ---- | 494.90+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 451.50B | 380.25A |
| 3260 | ---- | ---- | ---- | ---- | 554.90+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 510.75B | 439.00A |
| 3270 | ---- | ---- | ---- | ---- | 564.90+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 658.50B | 448.75A |
| 3275 | ---- | ---- | ---- | ---- | 569.90+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 525.50B | 453.50A |
| 3280 | ---- | ---- | ---- | ---- | 574.90+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 530.50B | 458.50A |
| 3290 | ---- | ---- | ---- | ---- | 584.90+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 540.25B | 468.25A |
| 3300 | ---- | ---- | ---- | ---- | 594.90+ | 2350 | 1.000 | ---- | ---- | 204 | UNCH | 550.25B | 478.25A |
| 3320 | ---- | ---- | ---- | ---- | 614.90+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 683.75B | 497.75A |
| 3325 | ---- | ---- | ---- | ---- | 619.90+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | 575.00B | 502.75A |
| 4000 | ---- | ---- | ---- | ---- | 1294.80+ | 2355 | 1.000 | ---- | ---- | 5 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 149303 | 451497 + | 32890 | | |
| JUL18 | EOM EMINI S&P P | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 30 | UNCH | ---- | .10A |
| 1025 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 240 | UNCH | 4.95B | .10A |
| 1075 | ---- | ---- | *.05A | ---- | .05- | 5 | .000 | ---- | ---- | 96 | UNCH | 6.00B | .05A |
| 1100 | ---- | ---- | .05A | ---- | .05- | 5 | .000 | ---- | ---- | 136 | UNCH | 6.50B | .05 |
| 1125 | ---- | ---- | *.05A | ---- | .05- | 5 | .000 | ---- | ---- | 13 | UNCH | 7.25B | .05A |
| 1150 | ---- | ---- | *.05A | ---- | .05- | 5 | .000 | ---- | ---- | 30 | UNCH | 8.00B | .05A |
| 1175 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 106 | UNCH | 8.50B | .05 |
| 1200 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 3 | UNCH | 9.25B | .05 |
| 1225 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | ---- | 119 | UNCH | 10.25B | .05 |
| 1250 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | ---- | 47 | UNCH | 11.00B | .10A |
| 1275 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | ---- | 110 | UNCH | 12.00B | .10A |
| 1300 | ---- | ---- | .10A | ---- | .10- | 5 | .000 | ---- | ---- | 350 | UNCH | 13.00B | .10A |
| 1325 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 531 | UNCH | 14.00B | .10A |
| 1350 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 257 | UNCH | 15.00B | .10A |
| 1375 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 852 | UNCH | 16.25B | .20A |
| 1400 | ---- | ---- | ---- | ---- | .20+ | 5 | .000 | ---- | ---- | 370 | UNCH | 17.25B | .15A |
| 1425 | ---- | ---- | ---- | ---- | .20+ | 5 | .001 | ---- | ---- | 406 | UNCH | 18.50B | .15A |
| 1450 | ---- | ---- | ---- | ---- | .20+ | 5 | .001 | ---- | ---- | 154 | UNCH | 20.00B | .15A |
| 1475 | ---- | ---- | ---- | ---- | .25+ | 10 | .001 | ---- | ---- | 138 | UNCH | 21.25B | .15 |
| 1500 | ---- | ---- | .15A | ---- | .25+ | 5 | .001 | ---- | ---- | 517 | UNCH | 22.75B | .15A |
| 1525 | 0.20 | .20 | .20 | ---- | .30+ | 10 | .001 | ---- | 120 | 502 + | 120 | 24.25B | .15 |
| 1550 | ---- | ---- | ---- | ---- | .30+ | 10 | .001 | ---- | ---- | 116 | UNCH | 26.00B | .15A |
| 1575 | ---- | ---- | ---- | ---- | .30+ | 10 | .001 | ---- | ---- | 394 | UNCH | 27.50B | .15A |
| 1600 | ---- | ---- | .20A | ---- | .35+ | 10 | .001 | ---- | ---- | 561 | UNCH | 29.25B | .15 |
| 1625 | ---- | ---- | ---- | ---- | .35+ | 10 | .001 | ---- | ---- | 134 | UNCH | 31.25B | .25 |
| 1650 | ---- | ---- | .25A | ---- | .40+ | 10 | .002 | ---- | ---- | 1982 | UNCH | 33.00B | .25 |
| 1660 | ---- | ---- | .25A | ---- | .40+ | 10 | .002 | ---- | ---- | 615 | UNCH | 33.75B | .25 |
| 1670 | ---- | ---- | .25A | ---- | .40+ | 10 | .002 | ---- | ---- | 215 | UNCH | 34.75B | .25A |
| 1675 | ---- | .35B | .25A | ---- | .40+ | 10 | .002 | ---- | ---- | 184 | UNCH | 35.00B | .25A |
| 1680 | ---- | .35B | ---- | ---- | .45+ | 15 | .002 | ---- | ---- | 65 | UNCH | 35.50B | .25A |
| 1690 | ---- | ---- | .30A | ---- | .45+ | 10 | .002 | ---- | ---- | 443 | UNCH | 36.25B | .25A |
| 1700 | ---- | ---- | .30A | ---- | .45+ | 10 | .002 | ---- | ---- | 684 | UNCH | 37.25B | .25A |
| 1710 | ---- | .40B | .30A | ---- | .50+ | 15 | .002 | ---- | ---- | 84 | UNCH | 38.00B | .30A |
| 1720 | ---- | .40B | .30A | ---- | .50+ | 15 | .002 | ---- | ---- | 49 | UNCH | 39.00B | .30A |
| 1725 | ---- | .40B | .30A | ---- | .50+ | 15 | .003 | ---- | ---- | 128 | UNCH | 39.25B | .30A |
| 1730 | ---- | .40B | .30A | ---- | .50+ | 15 | .003 | ---- | ---- | 213 | UNCH | 39.75B | .30A |
| 1740 | ---- | .40B | .30A | ---- | .55+ | 20 | .003 | ---- | ---- | 253 | UNCH | 40.75B | .30A |
| 1750 | 0.30 | .45B | .30 | ---- | .55+ | 15 | .003 | ---- | 14 | 84 | UNCH | 41.75B | .30A |
| 1760 | ---- | .45B | .35A | ---- | .55+ | 15 | .003 | ---- | ---- | 5 | UNCH | 42.50B | .30A |
| 1770 | ---- | .45B | .35A | ---- | .55+ | 15 | .003 | ---- | ---- | 20 | UNCH | 43.50B | .35A |
| 1775 | ---- | .50B | .35A | ---- | .55+ | 15 | .003 | ---- | ---- | 15 | UNCH | 45.00 | .35A |
| 1780 | ---- | .50B | .35A | ---- | .55+ | 15 | .003 | ---- | ---- | 241 | UNCH | 44.50B | .35A |
| 1790 | ---- | .50B | .35A | ---- | .60+ | 15 | .003 | ---- | ---- | 616 | UNCH | 45.50B | .35A |
| 1800 | 0.60 | .60 | .40A | ---- | .60+ | 15 | .003 | ---- | 2 | 668 + | 1 | 46.50B | .35A |
| 1810 | ---- | .55B | .40A | ---- | .60+ | 15 | .003 | ---- | ---- | 54 | UNCH | 47.50B | .35A |
| 1820 | ---- | .55B | .40A | ---- | .65+ | 15 | .004 | ---- | ---- | 175 | UNCH | 48.75B | .35A |
| 1825 | ---- | .60B | .40A | ---- | .65+ | 15 | .004 | ---- | ---- | 158 | UNCH | 49.25B | .40A |
| 1830 | ---- | .60B | .40A | ---- | .65+ | 15 | .004 | ---- | ---- | 40 | UNCH | 49.75B | .40A |
| 1840 | ---- | .60B | .45A | ---- | .65+ | 15 | .004 | ---- | ---- | 906 | UNCH | 50.75B | .40A |
| 1850 | 0.50 | .65B | .45A | ---- | .70+ | 15 | .004 | ---- | 1 | 613 | UNCH | 55.00 | .40A |
| 1860 | ---- | .65B | .45A | ---- | .70+ | 15 | .004 | ---- | ---- | 155 | UNCH | 53.00B | .40A |
| 1870 | ---- | .70B | .50A | ---- | .75+ | 15 | .005 | ---- | ---- | 106 | UNCH | 54.25B | .45A |
| 1875 | ---- | .70B | .50A | ---- | .75+ | 15 | .005 | ---- | ---- | 203 | UNCH | 54.75B | .45A |
| 1880 | ---- | .70B | .50A | ---- | .75+ | 15 | .005 | ---- | ---- | 169 | UNCH | 55.25B | .45A |
| 1890 | ---- | .75B | .50A | ---- | .80+ | 15 | .005 | ---- | ---- | 234 | UNCH | 56.25B | .45A |
| 1900 | 0.45 | .75B | .45 | ---- | .85+ | 20 | .005 | ---- | 27 | 710 + | 1 | 60.00 | .45A |
| 1910 | ---- | .80B | .55A | ---- | .85+ | 15 | .005 | ---- | ---- | 151 | UNCH | 59.00B | .50A |
| 1920 | ---- | .80B | .55A | ---- | .90+ | 20 | .006 | ---- | ---- | 588 | UNCH | 60.25B | .50A |
| 1925 | ---- | .85B | .55A | ---- | .90+ | 20 | .006 | ---- | ---- | 154 | UNCH | 60.75B | .50A |
| 1930 | ---- | .85B | .55A | ---- | .95+ | 25 | .006 | ---- | ---- | 82 | UNCH | 61.50B | .50A |
| 1940 | ---- | .90B | .60A | ---- | .95+ | 20 | .006 | ---- | ---- | 134 | UNCH | 62.50B | .50A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950 | ---- | .90B | .60A | ---- | 1.00+ | 25 | .007 | ---- | 2 | 343 | UNCH | 64.00B | .55A |
| 1960 | ---- | .95B | .65A | ---- | 1.05+ | 25 | .007 | ---- | ---- | 407 | UNCH | 65.25B | .55A |
| 1970 | ---- | 1.00B | .65A | ---- | 1.10+ | 30 | .007 | ---- | ---- | 123 | UNCH | 66.75B | .55A |
| 1975 | ---- | 1.00B | .65A | ---- | 1.10+ | 25 | .007 | ---- | ---- | 708 | UNCH | 67.25B | .60A |
| 1980 | ---- | 1.05B | .70A | ---- | 1.10+ | 25 | .007 | ---- | ---- | 105 | UNCH | 68.25B | .60A |
| 1990 | ---- | 1.05B | .70A | ---- | 1.15+ | 30 | .008 | ---- | ---- | 248 | UNCH | 69.25B | .60A |
| 2000 | 0.95 | 1.10B | .70A | ---- | 1.20+ | 30 | .008 | ---- | 4 | 1175 | UNCH | 71.00 | .55 |
| 2010 | ---- | 1.15B | .75A | ---- | 1.25+ | 30 | .009 | ---- | ---- | 33 | UNCH | 72.25B | .65A |
| 2020 | ---- | 1.20B | .75A | ---- | 1.25+ | 30 | .009 | ---- | ---- | 426 | UNCH | 73.75B | .65A |
| 2025 | ---- | 1.20B | .80A | ---- | 1.30+ | 35 | .009 | ---- | 1 | 214 + | 1 | 74.50B | .65A |
| 2030 | 1.05 | 1.25B | .80A | ---- | 1.30+ | 30 | .009 | ---- | 1 | 136 + | 1 | 75.25B | .70A |
| 2040 | ---- | 1.25B | .80A | ---- | 1.35+ | 35 | .010 | ---- | ---- | 70 | UNCH | 77.00B | .70A |
| 2050 | 1.25 | 1.30B | .85A | ---- | 1.40+ | 35 | .010 | ---- | 1 | 1040 - | 1 | 78.50B | .70A |
| 2060 | ---- | 1.35B | .90A | ---- | 1.45+ | 35 | .011 | ---- | ---- | 314 | UNCH | 80.00 | .75A |
| 2070 | ---- | 1.40B | .90A | ---- | 1.50+ | 40 | .011 | ---- | ---- | 299 | UNCH | 81.50B | .75A |
| 2075 | ---- | 1.45B | .95A | ---- | 1.50+ | 35 | .011 | ---- | ---- | 37 | UNCH | 82.50B | .80A |
| 2080 | ---- | 1.45B | .95A | ---- | 1.55+ | 40 | .012 | ---- | ---- | 105 | UNCH | 83.25B | .80A |
| 2090 | ---- | 1.55B | 1.00A | ---- | 1.60+ | 40 | .012 | ---- | ---- | 9 | UNCH | 85.00B | .80A |
| 2100 | 1.60 | 1.65 | 1.00 | ---- | 1.65+ | 40 | .013 | ---- | 129 | 1229 + | 20 | 86.50B | .85 |
| 2110 | ---- | 1.65B | 1.05A | ---- | 1.70+ | 40 | .013 | ---- | ---- | 57 | UNCH | 88.25B | .90A |
| 2120 | ---- | 1.70B | 1.10A | ---- | 1.80+ | 45 | .014 | ---- | ---- | 114 | UNCH | 90.00B | .90A |
| 2125 | 1.50 | 1.75B | 1.10A | ---- | 1.80+ | 45 | .014 | ---- | 59 | 113 + | 50 | 90.75B | .95A |
| 2130 | ---- | 1.75B | 1.15A | ---- | 1.85+ | 45 | .014 | ---- | ---- | 254 | UNCH | 91.75B | .95A |
| 2140 | ---- | 1.85B | 1.15A | ---- | 1.90+ | 45 | .015 | ---- | ---- | 219 | UNCH | 93.50B | 1.00A |
| 2150 | 1.75 | 1.90B | 1.20A | ---- | 2.00+ | 50 | .016 | ---- | 10 | 803 | UNCH | 95.25B | 1.00A |
| 2160 | ---- | 1.95B | 1.25A | ---- | 2.05+ | 50 | .016 | ---- | ---- | 261 | UNCH | 97.00B | 1.05A |
| 2170 | 1.75 | 2.10 | 1.30A | ---- | 2.15+ | 55 | .017 | ---- | 56 | 825 + | 20 | 99.00B | 1.05A |
| 2175 | 1.75 | 2.10B | 1.35A | ---- | 2.20+ | 55 | .018 | ---- | 272 | 892 + | 254 | 100.00B | 1.10A |
| 2180 | ---- | 2.10B | 1.35A | ---- | 2.25+ | 60 | .018 | ---- | ---- | 318 | UNCH | 101.00B | 1.10A |
| 2190 | ---- | 2.20B | 1.40A | ---- | 2.30+ | 55 | .019 | ---- | ---- | 348 | UNCH | 103.00B | 1.15A |
| 2200 | 2.05 | 2.30B | 1.40 | ---- | 2.40+ | 60 | .020 | ---- | 67 | 755 + | 11 | 105.00B | 1.20 |
| 2210 | ---- | 2.40B | 1.50A | ---- | 2.45+ | 60 | .021 | ---- | ---- | 332 | UNCH | 107.00B | 1.25A |
| 2220 | 2.40 | 2.50B | 1.55A | ---- | 2.55+ | 60 | .022 | ---- | 71 | 284 - | 27 | 109.00B | 1.25A |
| 2225 | ---- | 2.55B | 1.60A | ---- | 2.60+ | 60 | .022 | ---- | ---- | 231 | UNCH | 110.00B | 1.30A |
| 2230 | ---- | 2.60B | 1.65A | ---- | 2.65+ | 60 | .023 | ---- | ---- | 330 | UNCH | 111.00B | 1.30A |
| 2240 | ---- | 2.70B | 1.70A | ---- | 2.75+ | 65 | .024 | ---- | 97 | 185 - | 97 | 113.00B | 1.35A |
| 2250 | 2.00 | 2.80B | 1.75A | ---- | 2.85+ | 65 | .025 | ---- | 101 | 1348 - | 1 | 115.25B | 1.40A |
| 2260 | 2.25 | 2.90B | 1.80A | ---- | 2.95+ | 65 | .026 | ---- | 13 | 436 - | 13 | 117.50B | 1.45A |
| 2270 | 1.90 | 3.05B | 1.90 | ---- | 3.10+ | 75 | .028 | ---- | 306 | 398 + | 60 | 119.75B | 1.50A |
| 2275 | ---- | 3.15B | 1.90A | ---- | 3.15+ | 75 | .028 | ---- | ---- | 541 | UNCH | 120.75B | 1.55A |
| 2280 | ---- | 3.20B | 1.95A | ---- | 3.25+ | 80 | .029 | ---- | 5 | 613 + | 5 | 121.75B | 1.60A |
| 2290 | 2.40 | 3.35B | 2.05A | ---- | 3.35+ | 80 | .031 | ---- | 72 | 528 | UNCH | 124.25B | 1.65A |
| 2300 | 3.60 | 3.60 | 2.10A | ---- | 3.55+ | 85 | .033 | ---- | 70 | 2116 + | 60 | 126.50B | 1.70A |
| 2305 | ---- | 3.55B | 2.15A | ---- | 3.60+ | 85 | .033 | ---- | ---- | 203 | UNCH | 40.75B | 1.75A |
| 2310 | ---- | 3.65B | 2.20A | ---- | 3.70+ | 90 | .034 | ---- | ---- | 429 | UNCH | 129.00B | 1.80A |
| 2315 | 2.20 | 3.75B | 2.20 | ---- | 3.80+ | 95 | .035 | ---- | 1 | 263 - | 1 | 42.25B | 1.80A |
| 2320 | 3.00 | 3.85B | 2.30A | ---- | 3.90+ | 95 | .036 | ---- | 18 | 188 - | 15 | 131.25B | 1.85A |
| 2325 | 2.85 | 3.90B | 2.35 | ---- | 4.00+ | 100 | .037 | ---- | 46 | 585 + | 43 | 132.50B | 1.90A |
| 2330 | 2.85 | 4.00B | 2.40A | ---- | 4.10+ | 105 | .039 | ---- | 2 | 181 - | 2 | 133.50B | 1.95A |
| 2335 | 2.40 | 4.10B | 2.40 | ---- | 4.20+ | 105 | .040 | ---- | 11 | 250 - | 11 | 54.25B | 2.00A |
| 2340 | 3.45 | 4.20B | 2.50A | ---- | 4.30+ | 110 | .041 | ---- | 2 | 108 - | 1 | 136.25B | 2.00A |
| 2345 | 2.50 | 4.30B | 2.50 | ---- | 4.40+ | 115 | .042 | ---- | 11 | 120 - | 1 | 56.00B | 2.05A |
| 2350 | 2.70 | 4.45B | 2.60 | ---- | 4.55+ | 120 | .043 | ---- | 2301 | 5758 + | 2003 | 138.75B | 2.10A |
| 2355 | 3.15 | 4.55B | 2.65A | ---- | 4.65+ | 125 | .045 | ---- | 25 | 320 - | 25 | 58.00B | 2.15A |
| 2360 | 3.10 | 4.65B | 2.70A | ---- | 4.80+ | 135 | .046 | ---- | 65 | 196 + | 28 | 141.25B | 2.20A |
| 2365 | ---- | 4.80B | 2.80A | ---- | 4.95+ | 140 | .048 | ---- | 2 | 740 - | 2 | 60.00B | 2.25A |
| 2370 | ---- | 4.90B | 2.85A | ---- | 5.10+ | 150 | .049 | ---- | 3 | 671 + | 3 | 143.75B | 2.30A |
| 2375 | 3.45 | 5.00B | 2.90A | ---- | 5.20+ | 150 | .050 | ---- | 56 | 1146 + | 40 | 145.00B | 2.35A |
| 2380 | ---- | 5.00B | 2.95A | ---- | 5.40+ | 160 | .052 | ---- | 7 | 443 + | 3 | 146.50B | 2.40A |
| 2385 | ---- | 5.25B | 3.05A | ---- | 5.50+ | 160 | .054 | ---- | ---- | 155 | UNCH | 64.50B | 2.45A |
| 2390 | 3.20 | 5.50 | 3.10A | ---- | 5.70+ | 170 | .056 | ---- | 41 | 665 | UNCH | 149.00B | 2.50A |
| 2395 | ---- | 5.50B | 3.20A | ---- | 5.80+ | 170 | .057 | ---- | ---- | 181 | UNCH | 66.75B | 2.60A |
| 2400 | 4.50 | 6.00 | 3.25 | ---- | 5.90+ | 165 | .058 | ---- | 2465 | 6014 + | 1905 | 151.75B | 2.60 |
| 2405 | 3.75 | 5.75B | 3.35A | ---- | 6.10+ | 175 | .060 | ---- | 16 | 336 - | 15 | 69.00B | 2.70A |
| 2410 | 5.25 | 6.00B | 3.45A | ---- | 6.20+ | 170 | .062 | ---- | 3 | 681 + | 2 | 154.50B | 2.75A |
| 2415 | 3.75 | 6.25B | 3.55A | ---- | 6.40+ | 175 | .064 | ---- | 1 | 151 | UNCH | 71.25B | 2.80A |
| 2420 | ---- | 6.50B | 3.60A | ---- | 6.60+ | 180 | .066 | ---- | ---- | 186 | UNCH | 157.25B | 2.90A |
| 2425 | 4.00 | 7.00 | 3.70A | ---- | 6.70+ | 175 | .068 | ---- | 6 | 580 + | 1 | 158.75B | 2.95A |
| 2430 | 4.00 | 6.75B | 3.80A | ---- | 6.90+ | 180 | .070 | ---- | 135 | 612 + | 75 | 160.25B | 3.00A |
| 2435 | 4.05 | 7.00B | 3.90A | ---- | 7.10+ | 190 | .072 | ---- | 31 | 385 + | 10 | 76.50B | 3.10A |
| 2440 | 6.75 | 7.25B | 4.00A | ---- | 7.30+ | 190 | .075 | ---- | 6 | 138 + | 1 | 163.25B | 3.15A |
| 2445 | ---- | 7.50B | 4.10A | ---- | 7.50+ | 200 | .077 | ---- | 5 | 370 | UNCH | 79.00B | 3.25A |
| 2450 | 4.55 | 7.75 | 4.25A | ---- | 7.70+ | 200 | .079 | ---- | 437 | 1501 - | 381 | 166.00B | 3.30A |
| 2455 | ---- | 8.00B | 4.35A | ---- | 8.00+ | 220 | .082 | ---- | ---- | 461 | UNCH | 81.75B | 3.40A |
| 2460 | ---- | 8.25B | 4.45A | ---- | 8.30+ | 230 | .085 | ---- | ---- | 362 | UNCH | 169.00B | 3.45A |
| 2465 | 8.00 | 8.50B | 4.60A | ---- | 8.50+ | 240 | .088 | ---- | 8 | 287 + | 8 | 84.25B | 3.55A |
| 2470 | ---- | 8.75B | 4.75A | ---- | 8.80+ | 250 | .091 | ---- | 2 | 641 - | 2 | 172.25B | 3.65A |
| 2475 | 5.00 | 9.00B | 4.85A | ---- | 9.00+ | 250 | .094 | ---- | 10 | 869 + | 5 | 173.75B | 3.75A |
| 2480 | 5.75 | 9.50 | 5.00A | ---- | 9.30+ | 270 | .097 | ---- | 301 | 784 + | 18 | 175.25B | 3.80A |
| 2485 | 6.00 | 9.50 | 5.25A | ---- | 9.50+ | 270 | .100 | ---- | 281 | 492 + | 281 | 90.25B | 3.90A |
| 2490 | 6.00 | 9.75B | 5.50 | ---- | 9.80+ | 280 | .103 | ---- | 2 | 386 - | 1 | 178.50B | 4.00A |
| 2495 | ---- | 10.00B | 5.50A | ---- | 10.10+ | 290 | .107 | ---- | 111 | 282 - | 6 | 93.50B | 4.10A |
| 2500 | 8.75 | 10.50B | 5.75A | ---- | 10.40+ | 290 | .110 | ---- | 989 | 2652 + | 356 | 181.75B | 4.15 |
| 2505 | 8.25 | 10.75B | 6.00A | ---- | 10.80+ | 300 | .115 | ---- | 12 | 96 + | 11 | 96.75B | 4.30A |
| 2510 | 6.25 | 11.00B | 6.00A | ---- | 11.20+ | 310 | .119 | ---- | 226 | 485 + | 196 | 185.00B | 4.40A |
| 2515 | 6.75 | 11.50B | 6.25A | ---- | 11.50+ | 320 | .123 | ---- | 127 | 240 - | 59 | 100.00B | 4.50A |
| 2520 | 11.25 | 11.75B | 6.50A | ---- | 11.90+ | 340 | .127 | ---- | 50 | 536 | UNCH | 188.25B | 4.65A |
| 2525 | 10.00 | 13.00 | 6.75A | ---- | 12.30+ | 350 | .132 | ---- | 392 | 1455 + | 39 | 190.00B | 4.75A |
| 2530 | 7.25 | 12.50B | 7.00A | ---- | 12.70+ | 360 | .136 | ---- | 208 | 659 + | 208 | 191.75B | 4.90A |
| 2535 | 11.25 | 13.00B | 7.00A | ---- | 13.10+ | 370 | .141 | ---- | 1 | 359 | UNCH | 106.75B | 5.25A |
| 2540 | 9.25 | 13.50B | 7.25A | ---- | 13.60+ | 390 | .147 | ---- | 59 | 869 + | 48 | 195.00B | 5.25A |
| 2545 | 14.00 | 14.00 | 7.50A | ---- | 14.00+ | 400 | .152 | ---- | 5 | 285 + | 5 | 110.75B | 5.50A |
| 2550 | 14.00 | 15.00 | 7.75A | ---- | 14.50+ | 410 | .157 | ---- | 317 | 1292 + | 141 | 198.50B | 5.50A |
| 2555 | 15.00 | 15.00 | 8.00A | ---- | 15.00+ | 430 | .163 | ---- | 61 | 322 + | 51 | 114.25B | 5.75A |
| 2560 | 10.25 | 15.50 | 8.25A | ---- | 15.50+ | 450 | .169 | ---- | 112 | 1579 + | 91 | 202.25B | 5.75A |
| 2565 | 9.00 | 15.75B | 8.75A | ---- | 16.00+ | 460 | .175 | ---- | 137 | 216 + | 32 | 118.25B | 6.00A |
| 2570 | 9.25 | 16.50B | 9.00A | ---- | 16.50+ | 480 | .181 | ---- | 168 | 630 + | 86 | 205.75B | 6.25A |
| 2575 | 15.75 | 17.00 | 9.25A | ---- | 17.10+ | 500 | .188 | ---- | 55 | 958 + | 11 | 207.50B | 6.25A |
| 2580 | 15.50 | 17.50B | 9.50A | ---- | 17.70+ | 520 | .194 | ---- | 85 | 1662 + | 73 | 209.50B | 6.50A |
| 2585 | 12.25 | 18.25B | 10.00A | ---- | 18.30+ | 530 | .202 | ---- | 8 | 1215 + | 1 | 126.25B | 6.75A |
| 2590 | 10.75 | 18.75B | 10.25A | ---- | 19.00+ | 550 | .209 | ---- | 134 | 12918 + | 1 | 213.25B | 7.00A |
| 2595 | 11.75 | 19.50B | 10.75A | ---- | 19.70+ | 570 | .217 | ---- | 27 | 705 - | 19 | 130.25B | 7.25A |
| 2600 | 16.25 | 20.50 | 11.00A | ---- | 20.50+ | 590 | .226 | ---- | 1085 | 3174 + | 852 | 217.00B | 7.25A |
| 2605 | 12.50 | 21.00B | 11.50A | ---- | 21.20+ | 610 | .234 | ---- | 56 | 1938 - | 19 | 134.75B | 7.50A |
| 2610 | 20.50 | 21.75B | 11.75A | ---- | 22.00+ | 630 | .243 | ---- | 21 | 869 + | 2 | 221.00B | 7.75A |
| 2615 | 13.00 | 22.50B | 12.25A | ---- | 22.80+ | 650 | .252 | ---- | 12 | 893 + | 2 | 139.25B | 8.00A |
| 2620 | 14.75 | 23.50B | 12.75A | ---- | 23.60+ | 680 | .261 | ---- | 63 | 517 + | 32 | 225.00B | 8.25A |
| 2625 | 14.50 | 24.25B | 13.25A | ---- | 24.50+ | 700 | .271 | ---- | 472 | 6760 + | 5 | 227.25B | 8.75A |
| 2630 | 22.50 | 25.25B | 13.75A | ---- | 25.40+ | 730 | .281 | ---- | 191 | 726 + | 119 | 229.25B | 9.00A |
| 2635 | 15.75 | 26.25B | 14.25A | ---- | 26.40+ | 760 | .292 | ---- | 53 | 379 + | 11 | 148.75B | 9.25A |
| 2640 | 16.25 | 27.25B | 14.75A | ---- | 27.40+ | 790 | .303 | ---- | 33 | 586 + | 3 | 233.25B | 9.50A |
| 2645 | 19.00 | 28.25B | 15.50A | ---- | 28.50+ | 820 | .315 | ---- | 69 | 431 - | 9 | 153.75B | 10.00A |
| 2650 | 22.75 | 30.50 | 16.00A | ---- | 29.60+ | 850 | .327 | ---- | 6879 | 20542 + | 5781 | 237.50B | 10.25A |
| 2655 | 20.50 | 30.75B | 16.75A | ---- | 30.80+ | 890 | .340 | ---- | 119 | 739 + | 9 | 159.00B | 10.75A |
| 2660 | 19.25 | 32.00B | 17.50A | ---- | 32.10+ | 930 | .353 | ---- | 48 | 436 + | 42 | 241.75B | 11.00A |
| 2665 | 21.00 | 33.25B | 18.00A | ---- | 33.40+ | 960 | .366 | ---- | 3 | 655 - | 1 | 164.50B | 11.50A |
| 2670 | 24.75 | 34.50B | 18.75A | ---- | 34.80+ | 1000 | .380 | ---- | 1 | 330 | UNCH | 246.25B | 12.00A |
| 2675 | 22.25 | 36.00B | 19.75A | ---- | 36.20+ | 1030 | .395 | ---- | 22 | 729 + | 3 | 248.50B | 12.50A |
| 2680 | 27.50 | 39.00 | 20.50A | ---- | 37.70+ | 1070 | .409 | ---- | 272 | 525 + | 188 | 250.50B | 12.75A |
| 2685 | 30.75 | 39.00B | 21.25A | ---- | 39.20+ | 1100 | .425 | ---- | 10 | 862 + | 2 | 175.75B | 13.50A |
| 2690 | ---- | 40.50B | 22.25A | ---- | 40.70+ | 1130 | .441 | ---- | ---- | 746 | UNCH | 255.25B | 14.00A |
| 2695 | 24.50 | 42.00B | 23.25A | ---- | 42.30+ | 1160 | .457 | ---- | 23 | 352 + | 19 | 181.50B | 14.50A |
| 2700 | 25.50 | 44.25 | 24.25A | ---- | 44.00+ | 1200 | .474 | ---- | 985 | 4274 + | 21 | 260.00B | 15.25 |
| 2705 | 32.50 | 45.50B | 25.25A | ---- | 45.80+ | 1240 | .492 | ---- | 40 | 197 | UNCH | 187.75B | 15.75A |
| 2710 | 29.75 | 47.50 | 26.50A | ---- | 47.70+ | 1280 | .510 | ---- | 33 | 1006 + | 15 | 264.75B | 16.50A |
| 2715 | 43.50 | 49.25B | 27.75A | ---- | 49.70+ | 1330 | .528 | ---- | 8 | 728 + | 1 | 194.00B | 17.25A |
| 2720 | 39.00 | 51.25B | 29.00A | ---- | 51.80+ | 1390 | .547 | ---- | 10 | 6851 | UNCH | 269.75B | 18.00A |
| 2725 | 39.25 | 53.50B | 30.25A | ---- | 53.90+ | 1440 | .567 | ---- | 57 | 908 + | 1 | 272.25B | 18.75A |
| 2730 | 39.00 | 55.75B | 31.75A | ---- | 56.20+ | 1500 | .587 | ---- | 49 | 851 + | 43 | 274.75B | 19.75A |
| 2735 | 39.00 | 58.00B | 33.25A | ---- | 58.60+ | 1550 | .607 | ---- | 4 | 512 - | 2 | 207.25B | 20.75A |
| 2740 | 39.75 | 60.50B | 35.00A | ---- | 61.10+ | 1590 | .627 | ---- | 13 | 296 + | 13 | 279.75B | 21.75A |
| 2745 | ---- | 63.25B | 36.75A | ---- | 63.80+ | 1650 | .648 | ---- | ---- | 622 | UNCH | 214.00B | 22.75A |
| 2750 | 41.00 | 66.25 | 38.50A | ---- | 66.50+ | 1690 | .669 | ---- | 8 | 1044 + | 3 | 285.00B | 23.75A |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2755 | 53.00 | 68.75B | 40.50A | ---- | 69.30+ | 1740 | .690 | ---- | 5 | 865 - | 2 | 220.50B | 25.00A |
| 2760 | ---- | 71.75B | 42.50A | ---- | 72.20+ | 1780 | .712 | ---- | ---- | 636 | UNCH | 290.00B | 26.25A |
| 2765 | 75.00 | 75.00 | 44.75A | ---- | 75.30+ | 1830 | .733 | ---- | 1 | 315 - | 1 | 223.75B | 27.75A |
| 2770 | ---- | 78.25B | 47.00A | ---- | 78.60+ | 1880 | .753 | ---- | ---- | 695 | UNCH | 295.50B | 29.25A |
| 2775 | ---- | 81.75B | 49.50A | ---- | 82.00+ | 1920 | .773 | ---- | ---- | 646 | UNCH | 298.50B | 30.75A |
| 2780 | ---- | 85.25B | 52.25A | ---- | 85.50+ | 1960 | .792 | ---- | ---- | 206 | UNCH | 301.50B | 32.25A |
| 2785 | 57.00 | 88.75B | 55.00A | ---- | 89.20+ | 2010 | .811 | ---- | 1 | 275 - | 1 | 237.50B | 34.00A |
| 2790 | ---- | 92.75B | 57.75A | ---- | 93.00+ | 2050 | .829 | ---- | ---- | 171 | UNCH | 307.25B | 35.75A |
| 2795 | ---- | 96.50B | 61.00A | ---- | 97.00+ | 2100 | .846 | ---- | ---- | 7 | UNCH | 245.50B | 37.75A |
| 2800 | 92.00 | 101.00 | 64.25A | ---- | 101.00+ | 2130 | .862 | ---- | 2 | 1287 | UNCH | 313.00B | 39.75A |
| 2805 | ---- | 104.00B | 67.50A | ---- | 105.10+ | 2160 | .877 | ---- | ---- | 20 | UNCH | 253.50B | 42.00A |
| 2810 | ---- | 108.25B | 71.00A | ---- | 109.40+ | 2200 | .891 | ---- | ---- | 77 | UNCH | 319.25B | 44.25A |
| 2820 | 80.25 | 117.00B | 78.75A | ---- | 118.10+ | 2240 | .916 | ---- | 1 | 16 + | 1 | 325.25B | 49.50A |
| 2825 | ---- | 121.50B | 83.75A | ---- | 122.60+ | 2250 | .926 | ---- | ---- | 33 | UNCH | 328.75B | 52.25A |
| 2830 | ---- | 126.00B | 88.00A | ---- | 127.20+ | 2270 | .935 | ---- | ---- | 1 | UNCH | 332.00B | 55.00A |
| 2835 | ---- | 130.75B | 92.25A | ---- | 131.90+ | 2290 | .944 | ---- | ---- | 5 | UNCH | 278.50B | 58.00A |
| 2840 | ---- | 135.50B | 97.00A | ---- | 136.60+ | 2300 | .951 | ---- | ---- | 2 | UNCH | 338.50B | 61.25A |
| 2845 | ---- | 140.25B | 102.25A | ---- | 141.30+ | 2310 | .957 | ---- | ---- | 16 | UNCH | 287.25B | 64.50A |
| 2850 | ---- | 145.00B | 108.25A | ---- | 146.10+ | 2310 | .962 | ---- | ---- | 875 | UNCH | 344.75B | 68.00A |
| 2855 | ---- | 149.75B | 112.75A | ---- | 150.90+ | 2320 | .968 | ---- | ---- | 4 | UNCH | 296.00B | 71.50A |
| 2860 | ---- | 154.50B | 117.50A | ---- | 155.70+ | 2320 | .972 | ---- | ---- | 124 | UNCH | 351.75B | 75.25A |
| 2865 | ---- | 159.50B | 122.25A | ---- | 160.60+ | 2330 | .975 | ---- | ---- | 113 | UNCH | 304.75B | 79.00A |
| 2870 | ---- | 164.25B | 127.25A | ---- | 165.50+ | 2330 | .978 | ---- | ---- | 51 | UNCH | 358.75B | 83.00A |
| 2875 | ---- | 166.75B | 132.00A | ---- | 170.40+ | 2330 | .980 | ---- | ---- | 7 | UNCH | 362.50B | 87.00A |
| 2880 | ---- | 171.75B | 137.00A | ---- | 175.30+ | 2330 | .982 | ---- | ---- | 27 | UNCH | 364.75B | 91.25A |
| 2900 | ---- | 191.50B | ---- | ---- | 195.10+ | 2340 | .988 | ---- | ---- | 37 | UNCH | 379.75B | 109.00A |
| 2910 | ---- | 201.50B | ---- | ---- | 205.00+ | 2340 | .990 | ---- | ---- | 51 | UNCH | 387.50B | 118.00A |
| 2920 | ---- | 209.00B | ---- | ---- | 215.00+ | 2350 | .992 | ---- | ---- | 1 | UNCH | 395.25B | 127.50A |
| 2925 | ---- | 214.00B | ---- | ---- | 219.90+ | 2340 | .992 | ---- | ---- | 65 | UNCH | 399.25B | 134.75A |
| 2930 | ---- | 219.00B | ---- | ---- | 224.90+ | 2340 | .993 | ---- | ---- | 4 | UNCH | 403.25B | 139.50A |
| 2940 | ---- | 228.50B | ---- | ---- | 234.90+ | 2350 | .993 | ---- | ---- | 2 | UNCH | 411.25B | 149.25A |
| 2950 | ---- | 238.25B | ---- | ---- | 244.80+ | 2350 | .995 | ---- | ---- | 169 | UNCH | 419.50B | 158.75A |
| 2960 | ---- | 249.00B | ---- | ---- | 254.80+ | 2350 | .995 | ---- | ---- | 1 | UNCH | 411.50B | 170.25A |
| 2970 | ---- | 259.25B | ---- | ---- | 264.70+ | 2350 | .996 | ---- | ---- | 1 | UNCH | 420.00B | 178.50A |
| 2975 | ---- | 263.75B | ---- | ---- | 269.70+ | 2350 | .996 | ---- | ---- | 1 | UNCH | 424.50B | 182.25A |
| 2980 | ---- | 268.75B | ---- | ---- | 274.70+ | 2350 | .996 | ---- | ---- | 1 | UNCH | 429.00B | 186.00A |
| 3000 | ---- | ---- | ---- | ---- | 294.60+ | 2350 | .997 | ---- | ---- | 33 | UNCH | 446.75B | 208.50 |
| 3025 | ---- | ---- | ---- | ---- | 319.60+ | 2360 | .999 | ---- | ---- | 1 | UNCH | 466.25B | 261.50A |
| 3150 | ---- | ---- | ---- | ---- | 444.20+ | 2350 | .999 | ---- | ---- | 1 | UNCH | 487.50B | 458.00A |
| 3230 | ---- | ---- | ---- | ---- | 524.05+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | ---- | 566.50A |
| 3370 | ---- | ---- | ---- | ---- | 663.80+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3375 | ---- | ---- | ---- | ---- | 668.80+ | 2350 | 1.000 | ---- | ---- | 2 | UNCH | 727.00B | 697.75A |
| TOTAL | | | | | | | | | 21734 | 160307 + | 12833 | | |
| AUG18 | EOM EMINI S&P P | | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 34 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | .15+ | 5 | .000 | ---- | ---- | 202 | UNCH | .35B | .15A |
| 1025 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 9 | UNCH | .90B | .40A |
| 1075 | ---- | ---- | ---- | ---- | .20+ | 5 | .000 | ---- | ---- | 1 | UNCH | 1.10B | .15A |
| 1100 | ---- | ---- | *.10A | ---- | .20+ | 5 | .000 | ---- | ---- | 7 | UNCH | 1.25B | .10A |
| 1125 | ---- | ---- | .15A | ---- | .25+ | 5 | .000 | ---- | ---- | 4 | UNCH | 1.40B | .15A |
| 1150 | 0.15 | .15 | .15 | ---- | .25+ | 5 | .000 | ---- | 1 | 13 + | 1 | 1.50B | .15 |
| 1175 | ---- | ---- | .15A | ---- | .25+ | 5 | .001 | ---- | ---- | 38 | UNCH | 1.70B | .15 |
| 1200 | ---- | ---- | .15A | ---- | .30+ | 5 | .001 | ---- | ---- | 40 | UNCH | 1.85B | .10 |
| 1225 | ---- | ---- | .20A | ---- | .30+ | 5 | .001 | ---- | ---- | 24 | UNCH | 2.05B | .20A |
| 1250 | ---- | ---- | .20A | ---- | .35+ | 10 | .001 | ---- | ---- | 11 | UNCH | 2.25B | .20A |
| 1275 | ---- | ---- | .25A | ---- | .35+ | 5 | .001 | ---- | ---- | 2 | UNCH | 2.45B | .25A |
| 1300 | ---- | ---- | .25A | ---- | .40+ | 10 | .001 | ---- | ---- | 183 | UNCH | 2.70B | .25A |
| 1325 | ---- | .35B | ---- | ---- | .45+ | 15 | .001 | ---- | ---- | 10 | UNCH | 2.95B | .25A |
| 1350 | ---- | ---- | .30A | ---- | .45+ | 10 | .001 | ---- | ---- | 4 | UNCH | 3.20B | .30A |
| 1375 | ---- | ---- | .35A | ---- | .50+ | 10 | .002 | ---- | ---- | 240 | UNCH | 3.50B | .30A |
| 1400 | ---- | .45B | .35A | ---- | .55+ | 15 | .002 | ---- | ---- | 433 | UNCH | 3.80B | .30A |
| 1450 | ---- | ---- | .45A | ---- | .60+ | 10 | .002 | ---- | ---- | 359 | UNCH | 4.50B | .40A |
| 1475 | ---- | ---- | .45A | ---- | .65+ | 10 | .003 | ---- | ---- | 381 | UNCH | 4.90B | .40A |
| 1500 | ---- | ---- | .50A | ---- | .70+ | 10 | .003 | ---- | ---- | 769 | UNCH | 5.25B | .45A |
| 1525 | ---- | ---- | .55A | ---- | .75+ | 10 | .003 | ---- | ---- | 726 | UNCH | 5.75B | .45A |
| 1550 | ---- | ---- | .55A | ---- | .80+ | 10 | .003 | ---- | ---- | 503 | UNCH | 6.25B | .45 |
| 1575 | 0.85 | .85 | .60A | ---- | .85+ | 10 | .004 | ---- | 1 | 321 + | 1 | 6.75B | .55A |
| 1600 | ---- | .85B | .65A | ---- | .90+ | 10 | .004 | ---- | ---- | 936 | UNCH | 7.25B | .55A |
| 1625 | ---- | .90B | .70A | ---- | 1.00+ | 15 | .005 | ---- | ---- | 150 | UNCH | 7.75B | .60A |
| 1650 | 1.05 | 1.10 | .80A | ---- | 1.05+ | 15 | .005 | ---- | 121 | 249 + | 121 | 8.50B | .60 |
| 1660 | 1.10 | 1.15 | .80A | ---- | 1.10+ | 15 | .005 | ---- | 3 | 101 + | 1 | 8.75B | .65A |
| 1670 | 1.10 | 1.15 | .80A | ---- | 1.10+ | NEW | .005 | ---- | 5 | 5 + | 5 | 9.00B | .70A |
| 1675 | 1.10 | 1.15 | .85A | ---- | 1.10+ | 10 | .005 | ---- | 2 | 16 | UNCH | 9.25B | .65 |
| 1680 | 1.15 | 1.15 | .85A | ---- | 1.15+ | 15 | .005 | ---- | 2 | 5 + | 2 | 9.25B | .70A |
| 1690 | 1.15 | 1.15 | .85A | ---- | 1.15+ | 15 | .006 | ---- | 1 | 2 + | 1 | 9.50B | .70A |
| 1700 | 1.20 | 1.25 | .90A | ---- | 1.20+ | 15 | .006 | ---- | 3 | 161 + | 3 | 10.00B | .75A |
| 1710 | 1.25 | 1.25 | .90A | ---- | 1.25+ | 20 | .006 | ---- | 1 | 3 + | 1 | 10.25B | .75A |
| 1720 | ---- | 1.20B | .95A | ---- | 1.25+ | 15 | .006 | ---- | ---- | 30 | UNCH | 10.50B | .75A |
| 1725 | ---- | 1.20B | .95A | ---- | 1.30+ | 20 | .006 | ---- | ---- | 211 | UNCH | 10.75B | .80A |
| 1730 | 1.05 | 1.25B | .95A | ---- | 1.30+ | NEW | .006 | ---- | 1 | 1 + | 1 | 10.75B | .80A |
| 1740 | ---- | 1.25B | 1.00A | ---- | 1.35+ | 20 | .007 | ---- | ---- | 143 | UNCH | 11.25B | .80A |
| 1750 | ---- | 1.30B | 1.00A | ---- | 1.40+ | 20 | .007 | ---- | ---- | 91 | UNCH | 11.50B | .85A |
| 1775 | ---- | 1.40B | 1.10A | ---- | 1.50+ | 25 | .008 | ---- | ---- | 7 | UNCH | 12.25B | .85A |
| 1780 | ---- | 1.45B | 1.10A | ---- | 1.50+ | 20 | .008 | ---- | ---- | 203 | UNCH | 12.50B | .90A |
| 1800 | ---- | 1.55B | 1.15A | ---- | 1.60+ | 25 | .008 | ---- | ---- | 592 | UNCH | 13.25B | .95A |
| 1810 | ---- | 1.55B | 1.20A | ---- | 1.65+ | 25 | .009 | ---- | ---- | 33 | UNCH | 13.75B | .95A |
| 1820 | ---- | 1.60B | 1.25A | ---- | 1.70+ | 25 | .009 | ---- | ---- | 105 | UNCH | 14.00B | .95A |
| 1825 | ---- | 1.65B | 1.25A | ---- | 1.75+ | 30 | .009 | ---- | ---- | 169 | UNCH | 14.25B | 1.00A |
| 1830 | ---- | 1.65B | 1.25A | ---- | 1.75+ | 30 | .009 | ---- | ---- | 47 | UNCH | 14.50B | 1.00A |
| 1840 | ---- | 1.70B | 1.30A | ---- | 1.80+ | 30 | .010 | ---- | ---- | 53 | UNCH | 14.75B | 1.00A |
| 1850 | ---- | 1.80B | 1.35A | ---- | 1.90+ | 35 | .010 | ---- | ---- | 129 | UNCH | 15.25B | 1.05A |
| 1860 | ---- | 1.85B | 1.40A | ---- | 1.95+ | 35 | .011 | ---- | ---- | 312 | UNCH | 15.75B | 1.10A |
| 1870 | ---- | 1.90B | 1.40A | ---- | 2.00+ | 35 | .011 | ---- | ---- | 85 | UNCH | 16.25B | 1.10A |
| 1875 | ---- | 1.90B | 1.45A | ---- | 2.05+ | 40 | .011 | ---- | ---- | 165 | UNCH | 16.50B | 1.10A |
| 1880 | ---- | 1.95B | 1.45A | ---- | 2.05+ | 35 | .011 | ---- | ---- | 71 | UNCH | 16.75B | 1.15 |
| 1890 | ---- | 2.00B | 1.50A | ---- | 2.15+ | 40 | .012 | ---- | ---- | 39 | UNCH | 17.00B | 1.15A |
| 1900 | 1.55 | 2.10B | 1.55 | ---- | 2.20+ | 40 | .012 | ---- | 200 | 441 | UNCH | 17.50B | 1.20 |
| 1910 | ---- | 2.15B | 1.60A | ---- | 2.25+ | 40 | .013 | ---- | ---- | 62 | UNCH | 18.00B | 1.25A |
| 1920 | ---- | 2.20B | 1.65A | ---- | 2.35+ | 45 | .013 | ---- | ---- | 138 | UNCH | 18.50B | 1.25A |
| 1925 | ---- | 2.25B | 1.65A | ---- | 2.35+ | 40 | .013 | ---- | ---- | 154 | UNCH | 19.00B | 1.30A |
| 1930 | ---- | 2.30B | 1.70A | ---- | 2.40+ | 45 | .014 | ---- | ---- | 133 | UNCH | 19.25B | 1.30A |
| 1940 | ---- | 2.35B | 1.75A | ---- | 2.50+ | 50 | .014 | ---- | ---- | 240 | UNCH | 19.75B | 1.35 |
| 1950 | ---- | 2.45B | 1.80A | ---- | 2.55+ | 45 | .015 | ---- | ---- | 626 | UNCH | 20.25B | 1.30 |
| 1960 | ---- | 2.55B | 1.85A | ---- | 2.65+ | 50 | .015 | ---- | ---- | 237 | UNCH | 20.75B | 1.40A |
| 1970 | ---- | 2.60B | 1.90A | ---- | 2.75+ | 55 | .016 | ---- | ---- | 77 | UNCH | 21.25B | 1.45A |
| 1975 | ---- | 2.65B | 1.95A | ---- | 2.75+ | 50 | .016 | ---- | ---- | 62 | UNCH | 21.75B | 1.50A |
| 1980 | ---- | 2.70B | 1.95A | ---- | 2.80+ | 50 | .017 | ---- | ---- | 332 | UNCH | 22.00B | 1.50A |
| 1990 | ---- | 2.80B | 2.00A | ---- | 2.90+ | 55 | .017 | ---- | ---- | 37 | UNCH | 22.50B | 1.55A |
| 2000 | 2.10 | 2.90 | 2.05A | ---- | 3.00+ | 55 | .018 | ---- | 8 | 272 + | 5 | 23.25B | 1.60A |
| 2010 | 2.35 | 3.00B | 2.15A | ---- | 3.10+ | 60 | .019 | ---- | 4 | 336 | UNCH | 23.75B | 1.65A |
| 2020 | ---- | 3.10B | 2.20A | ---- | 3.20+ | 60 | .019 | ---- | ---- | 215 | UNCH | 24.50B | 1.70A |
| 2025 | ---- | 3.15B | 2.25A | ---- | 3.25+ | 65 | .020 | ---- | ---- | 144 | UNCH | 24.75B | 1.70A |
| 2030 | 3.10 | 3.20B | 2.30A | ---- | 3.30+ | 65 | .020 | ---- | 2 | 89 + | 1 | 25.25B | 1.75 |
| 2040 | ---- | 3.35B | 2.35A | ---- | 3.40+ | 65 | .021 | ---- | ---- | 134 | UNCH | 25.75B | 1.80A |
| 2050 | 2.75 | 3.45B | 2.45 | ---- | 3.50+ | 65 | .022 | ---- | 150 | 725 + | 137 | 26.50B | 1.85A |
| 2060 | ---- | 3.60B | 2.50A | ---- | 3.60+ | 65 | .022 | ---- | ---- | 186 | UNCH | 27.25B | 1.90A |
| 2070 | 2.65 | 3.70B | 2.60A | ---- | 3.75+ | 70 | .023 | ---- | 1 | 109 | UNCH | 28.00B | 1.95A |
| 2075 | ---- | 3.80B | 2.65A | ---- | 3.80+ | 70 | .024 | ---- | ---- | 611 | UNCH | 28.25B | 2.00 |
| 2080 | 2.80 | 3.85B | 2.65A | ---- | 3.85+ | 70 | .024 | ---- | 4 | 106 + | 4 | 28.75B | 2.00A |
| 2090 | ---- | 4.00B | 2.75A | ---- | 4.00+ | 75 | .025 | ---- | ---- | 94 | UNCH | 29.50B | 2.10A |
| 2100 | 3.20 | 4.15B | 2.85A | ---- | 4.10+ | 75 | .026 | ---- | 8 | 724 - | 1 | 30.25B | 2.15A |
| 2110 | 3.10 | 4.30B | 2.95A | ---- | 4.25+ | 80 | .027 | ---- | 2 | 94 | UNCH | 31.25B | 2.25A |
| 2120 | 4.20 | 4.45B | 3.05A | ---- | 4.40+ | 80 | .028 | ---- | 1 | 213 + | 1 | 32.00B | 2.30A |
| 2125 | ---- | 4.55B | 3.10A | ---- | 4.50+ | 85 | .029 | ---- | ---- | 317 | UNCH | 32.75B | 2.35A |
| 2130 | ---- | 4.65B | 3.15A | ---- | 4.55+ | 85 | .030 | ---- | ---- | 89 | UNCH | 33.25B | 2.40A |
| 2140 | 3.65 | 4.80B | 3.25A | ---- | 4.75+ | 90 | .031 | ---- | 100 | 254 + | 100 | 34.25B | 2.45A |
| 2150 | 4.80 | 5.00B | 3.35A | ---- | 4.90+ | 90 | .032 | ---- | 33 | 315 | UNCH | 35.50B | 2.55A |
| 2160 | 5.00 | 5.00 | 3.50A | ---- | 5.10+ | 95 | .034 | ---- | 11 | 219 + | 11 | 36.75B | 2.60A |
| 2170 | 5.00 | 5.25B | 3.60A | ---- | 5.30+ | 100 | .035 | ---- | 26 | 133 + | 22 | 38.00B | 2.70A |
| 2175 | ---- | 5.50B | 3.65A | ---- | 5.40+ | 100 | .036 | ---- | ---- | 243 | UNCH | 38.50B | 2.75 |
| 2180 | 5.50 | 5.50 | 3.75A | ---- | 5.50+ | 100 | .037 | ---- | 10 | 137 + | 10 | 39.25B | 2.80A |
| 2190 | 5.75 | 5.75 | 3.85A | ---- | 5.80+ | 115 | .039 | ---- | 54 | 168 + | 43 | 40.50B | 2.90A |
| 2200 | 6.00 | 6.00 | 4.00A | ---- | 6.00+ | 115 | .040 | ---- | 36 | 327 + | 10 | 42.00B | 3.00A |

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# E-MINI S&P 500 PUT OPTIONS

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2210 | 5.00 | 6.25B | 4.15A | ---- | 6.20+ | 120 | .042 | ---- | 104 | 268 + | 86 | 43.25B | 3.15A |
| 2220 | 6.00 | 6.50B | 4.30A | ---- | 6.50+ | 130 | .044 | ---- | 5 | 302 | UNCH | 44.75B | 3.25A |
| 2225 | 6.25 | 6.50B | 4.40A | ---- | 6.60+ | 130 | .045 | ---- | 39 | 423 + | 1 | 45.50B | 3.30A |
| 2230 | ---- | 6.75B | 4.50A | ---- | 6.70+ | 130 | .046 | ---- | 11 | 187 + | 11 | 46.25B | 3.40A |
| 2240 | 7.00 | 7.25 | 4.65A | ---- | 7.00+ | 140 | .048 | ---- | 43 | 294 - | 18 | 47.75B | 3.55A |
| 2250 | 7.25 | 7.25 | 4.80A | ---- | 7.20+ | 140 | .050 | ---- | 75 | 560 + | 21 | 49.25B | 3.65 |
| 2260 | 7.50 | 8.00 | 5.00A | ---- | 7.50+ | 150 | .052 | ---- | 58 | 485 + | 18 | 51.00B | 3.80A |
| 2270 | ---- | 7.75B | 5.25A | ---- | 7.80+ | 160 | .055 | ---- | 9 | 305 + | 5 | 52.75B | 3.95A |
| 2275 | ---- | 8.00B | 5.50A | ---- | 7.90+ | 150 | .056 | ---- | 34 | 178 + | 34 | 53.50B | 4.00A |
| 2280 | 7.50 | 8.25B | 5.50A | ---- | 8.10+ | 160 | .057 | ---- | 24 | 189 + | 16 | 54.25B | 4.05A |
| 2290 | ---- | 8.50B | 5.75A | ---- | 8.40+ | 160 | .060 | ---- | ---- | 312 | UNCH | 56.25B | 4.20A |
| 2300 | 8.75 | 8.75 | 6.00A | ---- | 8.80+ | 160 | .063 | ---- | 9 | 679 + | 1 | 58.00B | 4.35A |
| 2305 | ---- | 9.00B | 6.00A | ---- | 9.00+ | 170 | .064 | ---- | ---- | 263 | UNCH | 50.25B | 4.45A |
| 2310 | ---- | 9.25B | 6.25A | ---- | 9.20+ | 180 | .066 | ---- | 34 | 144 + | 32 | 59.75B | 4.55A |
| 2315 | 8.75 | 9.50B | 6.25A | ---- | 9.50+ | 200 | .068 | ---- | 10 | 108 | UNCH | 52.00B | 4.65A |
| 2320 | ---- | 9.75B | 6.50A | ---- | 9.70+ | 210 | .069 | ---- | 20 | 68 + | 1 | 61.75B | 4.65A |
| 2325 | ---- | 9.75B | 6.50A | ---- | 9.90+ | 210 | .071 | ---- | ---- | 350 | UNCH | 62.75B | 4.75A |
| 2330 | ---- | 10.00B | 6.75A | ---- | 10.10+ | 220 | .073 | ---- | ---- | 108 | UNCH | 63.75B | 4.85A |
| 2335 | 9.75 | 10.25B | 6.75A | ---- | 10.30+ | 220 | .074 | ---- | 20 | 139 + | 20 | 64.75B | 4.95A |
| 2340 | 9.50 | 10.50B | 7.00A | ---- | 10.50+ | 220 | .076 | ---- | 2 | 219 - | 2 | 65.75B | 5.00A |
| 2345 | ---- | 10.75B | 7.00A | ---- | 10.70+ | 220 | .078 | ---- | ---- | 266 | UNCH | 67.00B | 5.25A |
| 2350 | 9.50 | 11.00 | 7.25A | ---- | 11.00+ | 230 | .080 | ---- | 64 | 417 + | 19 | 68.00B | 5.25 |
| 2355 | 9.50 | 11.25B | 7.25A | ---- | 11.20+ | 230 | .081 | ---- | 10 | 310 | UNCH | 69.00B | 5.25A |
| 2360 | ---- | 11.50B | 7.50A | ---- | 11.50+ | 240 | .084 | ---- | ---- | 96 | UNCH | 70.00B | 5.50A |
| 2365 | ---- | 11.75B | 7.75A | ---- | 11.70+ | 240 | .085 | ---- | ---- | 68 | UNCH | 71.25B | 5.50 |
| 2370 | ---- | 12.00B | 7.75A | ---- | 12.00+ | 250 | .088 | ---- | ---- | 72 | UNCH | 72.25B | 5.75A |
| 2375 | ---- | 12.25B | 8.00A | ---- | 12.20+ | 250 | .089 | ---- | ---- | 86 | UNCH | 73.50B | 5.75A |
| 2380 | ---- | 12.50B | 8.25A | ---- | 12.50+ | 260 | .092 | ---- | 3 | 177 + | 3 | 74.75B | 6.00A |
| 2385 | ---- | 12.75B | 8.25A | ---- | 12.70+ | 260 | .094 | ---- | ---- | 60 | UNCH | 75.75B | 6.00A |
| 2390 | 12.25 | 13.00B | 8.50A | ---- | 13.00+ | 270 | .096 | ---- | 20 | 130 | UNCH | 77.00B | 6.25A |
| 2395 | 13.75 | 13.75 | 8.75A | ---- | 13.20+ | 260 | .098 | ---- | 2 | 229 + | 2 | 78.25B | 6.25A |
| 2400 | 12.50 | 13.75 | 9.00 | ---- | 13.50+ | 270 | .100 | ---- | 41 | 534 + | 22 | 79.50B | 6.50A |
| 2405 | ---- | 14.00B | 9.00A | ---- | 13.80+ | 280 | .103 | ---- | ---- | 170 | UNCH | 80.75B | 6.50A |
| 2410 | ---- | 14.25B | 9.25A | ---- | 14.10+ | 280 | .105 | ---- | ---- | 243 | UNCH | 82.00B | 6.75A |
| 2415 | ---- | 14.50B | 9.50A | ---- | 14.40+ | 280 | .108 | ---- | ---- | 302 | UNCH | 83.25B | 6.75A |
| 2420 | ---- | 15.00B | 9.75A | ---- | 14.80+ | 300 | .111 | ---- | 5 | 91 | UNCH | 84.50B | 7.00A |
| 2425 | 13.75 | 15.25B | 10.00A | ---- | 15.20+ | 310 | .114 | ---- | 14 | 1312 - | 11 | 85.75B | 7.00A |
| 2430 | ---- | 15.50B | 10.25A | ---- | 15.50+ | 310 | .116 | ---- | ---- | 564 | UNCH | 87.25B | 7.25A |
| 2435 | ---- | 16.00B | 10.25A | ---- | 15.90+ | 320 | .120 | ---- | ---- | 306 | UNCH | 88.50B | 7.50A |
| 2440 | 13.00 | 16.50B | 10.50A | ---- | 16.30+ | 330 | .123 | ---- | 2 | 196 | UNCH | 90.00B | 7.50A |
| 2445 | 11.50 | 16.75B | 10.75A | ---- | 16.70+ | 340 | .126 | ---- | 34 | 157 + | 34 | 91.25B | 7.75A |
| 2450 | 13.75 | 17.25 | 11.00A | ---- | 17.10+ | 350 | .129 | ---- | 67 | 5654 - | 5 | 92.75B | 8.00A |
| 2455 | 17.50 | 17.50 | 11.25A | ---- | 17.50+ | 350 | .132 | ---- | 3 | 287 + | 3 | 93.75B | 8.00A |
| 2460 | 17.50 | 18.00B | 11.50A | ---- | 17.90+ | 360 | .136 | ---- | 8 | 485 + | 6 | 95.25B | 8.25A |
| 2465 | 17.75 | 18.50B | 11.75A | ---- | 18.30+ | 370 | .139 | ---- | 11 | 254 | UNCH | 96.75B | 8.50A |
| 2470 | 17.75 | 18.75B | 12.25A | ---- | 18.70+ | 370 | .142 | ---- | 4 | 365 - | 2 | 98.25B | 8.75A |
| 2475 | ---- | 19.25B | 12.50A | ---- | 19.20+ | 390 | .146 | ---- | 21 | 275 - | 2 | 99.75B | 8.75A |
| 2480 | 19.25 | 19.75B | 12.75A | ---- | 19.60+ | 390 | .150 | ---- | 6 | 131 - | 3 | 101.25B | 9.00A |
| 2485 | 19.50 | 20.25B | 13.00A | ---- | 20.10+ | 410 | .154 | ---- | 1 | 109 - | 1 | 102.75B | 9.25A |
| 2490 | 20.00 | 20.75B | 13.25A | ---- | 20.60+ | 420 | .158 | ---- | 3 | 549 + | 1 | 104.50B | 9.50A |
| 2495 | 20.00 | 21.25B | 13.75A | ---- | 21.10+ | 430 | .162 | ---- | 35 | 268 - | 11 | 106.00B | 9.75A |
| 2500 | 20.00 | 21.75B | 14.00A | ---- | 21.60+ | 440 | .166 | ---- | 306 | 887 + | 187 | 107.75B | 10.00A |
| 2505 | ---- | 22.25B | 14.25A | ---- | 22.20+ | 460 | .170 | ---- | ---- | 300 | UNCH | 109.50B | 10.25A |
| 2510 | 20.75 | 22.75B | 14.75A | ---- | 22.70+ | 460 | .175 | ---- | 3 | 219 | UNCH | 111.25B | 10.50A |
| 2515 | ---- | 23.25B | 15.00A | ---- | 23.30+ | 480 | .179 | ---- | ---- | 242 | UNCH | 112.75B | 10.50A |
| 2520 | 22.00 | 23.75B | 15.25A | ---- | 23.90+ | 490 | .184 | ---- | 1 | 286 | UNCH | 114.50B | 10.75A |
| 2525 | 22.50 | 24.50B | 15.75A | ---- | 24.40+ | 500 | .189 | ---- | 20 | 275 - | 20 | 116.25B | 11.25A |
| 2530 | 16.75 | 25.00B | 16.00A | ---- | 25.00+ | 510 | .193 | ---- | 1 | 189 | UNCH | 118.00B | 11.50A |
| 2535 | 19.50 | 25.75B | 16.50A | ---- | 25.60+ | 520 | .198 | ---- | 21 | 263 - | 20 | 120.00B | 11.75A |
| 2540 | 24.25 | 26.25B | 17.00A | ---- | 26.20+ | 530 | .204 | ---- | 9 | 263 + | 9 | 121.75B | 12.00A |
| 2545 | 23.75 | 27.00B | 17.25A | ---- | 26.90+ | 550 | .209 | ---- | 15 | 171 + | 15 | 123.50B | 12.25A |
| 2550 | 18.75 | 27.75B | 17.75A | ---- | 27.60+ | 560 | .215 | ---- | 22 | 3115 | UNCH | 125.50B | 12.50A |
| 2555 | 21.75 | 28.25B | 18.25A | ---- | 28.40+ | 590 | .221 | ---- | 25 | 188 - | 12 | 127.25B | 12.75A |
| 2560 | 22.25 | 29.00B | 18.75A | ---- | 29.10+ | 600 | .226 | ---- | 133 | 557 | UNCH | 129.25B | 13.25A |
| 2565 | 20.50 | 29.75B | 19.25A | ---- | 29.90+ | 620 | .233 | ---- | 67 | 274 - | 47 | 131.25B | 13.50A |
| 2570 | ---- | 30.50B | 19.75A | ---- | 30.70+ | 640 | .239 | ---- | ---- | 252 | UNCH | 133.25B | 13.75A |
| 2575 | 22.75 | 31.50B | 20.25A | ---- | 31.50+ | 650 | .245 | ---- | 320 | 3832 - | 151 | 135.25B | 14.25A |
| 2580 | 28.25 | 32.25B | 20.75A | ---- | 32.40+ | 680 | .252 | ---- | 108 | 229 + | 78 | 137.25B | 14.50A |
| 2585 | 27.25 | 33.00B | 21.25A | ---- | 33.20+ | 690 | .259 | ---- | 40 | 288 | UNCH | 139.00B | 15.00A |
| 2590 | 25.75 | 34.00B | 22.00A | ---- | 34.10+ | 710 | .266 | ---- | 2441 | 12554 - | 19 | 141.25B | 15.25A |
| 2595 | 26.75 | 34.75B | 22.50A | ---- | 34.90+ | 720 | .272 | ---- | 27 | 372 - | 9 | 143.25B | 15.75A |
| 2600 | 23.00 | 36.75 | 23.00 | ---- | 35.90+ | 740 | .280 | ---- | 528 | 1547 + | 8 | 145.50B | 16.25A |
| 2605 | 27.75 | 36.50B | 23.75A | ---- | 36.80+ | 760 | .287 | ---- | 93 | 214 + | 50 | 147.50B | 16.75A |
| 2610 | 31.50 | 37.50B | 24.50A | ---- | 37.70+ | 770 | .295 | ---- | 4 | 183 - | 4 | 149.75B | 17.00A |
| 2615 | 29.75 | 38.50B | 25.00A | ---- | 38.70+ | 790 | .303 | ---- | 276 | 330 - | 9 | 152.00B | 17.50A |
| 2620 | ---- | 39.50B | 25.75A | ---- | 39.70+ | 810 | .311 | ---- | ---- | 98 | UNCH | 154.25B | 18.00A |
| 2625 | 27.75 | 40.50B | 26.50A | ---- | 40.80+ | 830 | .319 | ---- | 56 | 404 - | 3 | 156.75B | 18.50A |
| 2630 | 31.00 | 41.75B | 27.25A | ---- | 41.90+ | 850 | .328 | ---- | 52 | 526 + | 29 | 159.00B | 19.00A |
| 2635 | 30.00 | 42.75B | 28.00A | ---- | 43.00+ | 870 | .337 | ---- | 99 | 468 - | 50 | 161.50B | 19.50A |
| 2640 | 32.75 | 44.00B | 28.75A | ---- | 44.20+ | 900 | .346 | ---- | 198 | 427 + | 114 | 163.75B | 20.25A |
| 2645 | 33.75 | 45.25B | 29.50A | ---- | 45.40+ | 920 | .355 | ---- | 79 | 328 + | 72 | 166.25B | 20.75A |
| 2650 | 42.25 | 46.50 | 30.50A | ---- | 46.60+ | 940 | .365 | ---- | 363 | 1788 + | 86 | 168.75B | 21.25A |
| 2655 | 33.50 | 47.75B | 31.25A | ---- | 47.90+ | 960 | .374 | ---- | 54 | 76 + | 15 | 171.25B | 22.00A |
| 2660 | 42.50 | 49.00B | 32.25A | ---- | 49.20+ | 980 | .384 | ---- | 2 | 506 | UNCH | 173.75B | 22.50A |
| 2665 | 36.50 | 50.50B | 33.25A | ---- | 50.60+ | 1010 | .395 | ---- | 227 | 360 + | 157 | 176.50B | 23.25A |
| 2670 | 38.25 | 51.75B | 34.25A | ---- | 52.00+ | 1030 | .406 | ---- | 27 | 763 + | 1 | 179.00B | 24.00A |
| 2675 | 46.25 | 53.25B | 35.25A | ---- | 53.50+ | 1060 | .417 | ---- | 15 | 578 - | 3 | 181.75B | 24.75A |
| 2680 | 39.50 | 54.75B | 36.25A | ---- | 55.00+ | 1080 | .428 | ---- | 53 | 132 + | 33 | 184.50B | 25.50A |
| 2685 | 45.75 | 56.25B | 37.50A | ---- | 56.60+ | 1110 | .439 | ---- | 5 | 41 + | 1 | 187.25B | 26.25A |
| 2690 | 42.00 | 58.00B | 38.50A | ---- | 58.30+ | 1150 | .451 | ---- | 5 | 816 + | 2 | 190.00B | 27.00A |
| 2695 | 43.50 | 59.75B | 39.75A | ---- | 60.00+ | 1180 | .463 | ---- | 3 | 132 + | 1 | 192.50B | 28.00A |
| 2700 | 50.00 | 61.50B | 41.00A | ---- | 61.70+ | 1200 | .475 | ---- | 146 | 1005 - | 98 | 195.75B | 28.75A |
| 2705 | 46.00 | 63.25B | 42.25A | ---- | 63.50+ | 1230 | .488 | ---- | 10 | 131 - | 3 | 198.75B | 29.75A |
| 2710 | ---- | 65.00B | 43.50A | ---- | 65.30+ | 1250 | .501 | ---- | 68 | 898 - | 33 | 201.50B | 30.50A |
| 2715 | ---- | 66.75B | 45.00A | ---- | 67.20+ | 1280 | .514 | ---- | 57 | 428 | UNCH | 204.50B | 31.50A |
| 2720 | 50.50 | 68.50B | 46.50A | ---- | 69.10+ | 1300 | .528 | ---- | 29 | 479 | UNCH | 207.75B | 32.75A |
| 2725 | 48.50 | 70.50B | 48.00A | ---- | 71.10+ | 1330 | .542 | ---- | 88 | 479 - | 4 | 210.75B | 33.75A |
| 2730 | 51.00 | 72.75B | 49.50A | ---- | 73.20+ | 1370 | .556 | ---- | 33 | 271 + | 2 | 213.75B | 34.75A |
| 2735 | 61.75 | 75.00B | 51.00A | ---- | 75.40+ | 1410 | .570 | ---- | 166 | 262 + | 44 | 217.00B | 36.00A |
| 2740 | 57.50 | 77.25B | 52.75A | ---- | 77.70+ | 1450 | .584 | ---- | 251 | 566 - | 209 | 220.25B | 37.25A |
| 2745 | 59.00 | 79.50B | 54.50A | ---- | 80.10+ | 1500 | .599 | ---- | 23 | 316 + | 4 | 223.50B | 38.25A |
| 2750 | 58.50 | 82.00B | 56.25A | ---- | 82.50+ | 1530 | .614 | ---- | 37 | 858 + | 7 | 226.75B | 39.50A |
| 2755 | ---- | 84.50B | 58.25A | ---- | 85.00+ | 1560 | .629 | ---- | 38 | 82 - | 7 | 230.25B | 41.00A |
| 2760 | ---- | 87.00B | 60.00A | ---- | 87.60+ | 1600 | .644 | ---- | 23 | 144 + | 8 | 233.50B | 42.25A |
| 2765 | ---- | 89.75B | 62.25A | ---- | 90.30+ | 1640 | .659 | ---- | 17 | 158 + | 7 | 237.00B | 43.75A |
| 2770 | ---- | 92.50B | 64.25A | ---- | 93.00+ | 1670 | .674 | ---- | 55 | 131 - | 38 | 240.50B | 45.25A |
| 2775 | ---- | 95.25B | 66.50A | ---- | 95.90+ | 1710 | .690 | ---- | 33 | 225 + | 33 | 244.00B | 46.75A |
| 2780 | ---- | 98.25B | 68.75A | ---- | 98.80+ | 1730 | .706 | ---- | 25 | 702 - | 23 | 247.50B | 48.50A |
| 2785 | ---- | 101.25B | 71.25A | ---- | 101.80+ | 1760 | .721 | ---- | ---- | 310 | UNCH | 249.25B | 50.25A |
| 2790 | ---- | 104.50B | 73.75A | ---- | 105.00+ | 1800 | .737 | ---- | ---- | 191 | UNCH | 250.25B | 52.00A |
| 2795 | ---- | 107.75B | 76.25A | ---- | 108.20+ | 1830 | .752 | ---- | ---- | 33 | UNCH | 252.75B | 54.00A |
| 2800 | ---- | 111.00B | 79.00A | ---- | 111.50+ | 1860 | .767 | ---- | 9 | 151 | UNCH | 256.25B | 56.00A |
| 2805 | ---- | 114.50B | 81.75A | ---- | 115.00+ | 1910 | .782 | ---- | ---- | 184 | UNCH | 245.00B | 58.00A |
| 2810 | ---- | 118.00B | 84.75A | ---- | 118.60+ | 1950 | .796 | ---- | ---- | 1 | UNCH | 245.50B | 60.25A |
| 2815 | ---- | 121.75B | 87.75A | ---- | 122.20+ | 1980 | .810 | ---- | ---- | 7 | UNCH | 248.25B | 62.50A |
| 2820 | ---- | 125.50B | 90.75A | ---- | 126.00+ | 2010 | .823 | ---- | 27 | 143 + | 24 | 247.25B | 64.75A |
| 2825 | ---- | 129.25B | 94.00A | ---- | 129.90+ | 2050 | .836 | ---- | ---- | 17 | UNCH | 247.00B | 67.25A |
| 2830 | ---- | 133.25B | 97.50A | ---- | 133.80+ | 2070 | .848 | ---- | ---- | 20 | UNCH | 247.25B | 69.75A |
| 2835 | ---- | 136.25B | 100.75A | ---- | 137.90+ | 2100 | .860 | ---- | ---- | 4 | UNCH | 251.00B | 72.25A |
| 2840 | ---- | 140.50B | 104.50A | ---- | 142.00+ | 2120 | .871 | ---- | ---- | 6 | UNCH | 254.75B | 75.00A |
| 2845 | ---- | 144.75B | 108.25A | ---- | 146.20+ | 2150 | .882 | ---- | ---- | 8 | UNCH | 258.75B | 77.75A |
| 2850 | ---- | 149.00B | 112.00A | ---- | 150.50+ | 2170 | .891 | ---- | ---- | 77 | UNCH | 258.50B | 80.75A |
| 2855 | ---- | 153.25B | 116.00A | ---- | 154.80+ | 2180 | .902 | ---- | ---- | 7 | UNCH | 262.50B | 83.75A |
| 2860 | ---- | 157.75B | 120.00A | ---- | 159.20+ | 2200 | .910 | ---- | ---- | 26 | UNCH | 266.50B | 86.75A |
| 2865 | ---- | 161.00B | 125.75A | ---- | 163.70+ | 2210 | .918 | ---- | ---- | 9 | UNCH | 270.50B | 90.00A |
| 2870 | ---- | 164.25B | 129.50A | ---- | 168.20+ | 2220 | .926 | ---- | ---- | 4 | UNCH | 274.50B | 93.25A |
| 2875 | ---- | 169.00B | 134.25A | ---- | 172.80+ | 2240 | .933 | ---- | ---- | 1 | UNCH | 278.75B | 96.75A |
| 2880 | ---- | 173.50B | 138.25A | ---- | 177.40+ | 2250 | .939 | ---- | ---- | 2 | UNCH | 282.75B | 100.25A |
| 2885 | ---- | 178.25B | 143.25A | ---- | 182.10+ | 2260 | .944 | ---- | ---- | 2 | UNCH | 287.00B | 104.00A |
| 2890 | ---- | 183.00B | 147.75A | ---- | 186.80+ | 2270 | .949 | ---- | ---- | 1 | UNCH | 291.00B | 107.75A |
| 2895 | ---- | 187.75B | 154.00A | ---- | 191.50+ | 2270 | .953 | ---- | ---- | 2 | UNCH | 295.25B | 111.50A |
| 2900 | ---- | 192.50B | 158.50A | ---- | 196.30+ | 2280 | .957 | ---- | ---- | 19 | UNCH | 299.50B | 115.50A |
| 2905 | ---- | 197.25B | 163.25A | ---- | 201.10+ | 2290 | .961 | ---- | ---- | 6 | UNCH | 304.00B | 119.50A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2910 | ---- | 201.50B | 168.00A | ---- | 205.90+ | 2290 | .964 | ---- | ---- | 4 | UNCH | 308.25B | 123.50A |
| 2925 | ---- | 215.50B | 184.00A | ---- | 220.50+ | 2310 | .973 | ---- | ---- | 1 | UNCH | 321.50B | 137.00A |
| 2950 | ---- | 240.00B | 208.25A | ---- | 245.00+ | 2330 | .982 | ---- | ---- | 1 | UNCH | 343.75B | 159.25A |
| 2960 | ---- | 249.00B | 218.00A | ---- | 254.80+ | 2330 | .985 | ---- | ---- | 1 | UNCH | 353.00B | 168.75A |
| 3000 | ---- | 288.50B | ---- | ---- | 294.40+ | 2340 | .992 | ---- | ---- | 230 | UNCH | 374.50B | 208.25A |
| 3100 | ---- | ---- | ---- | ---- | 393.90+ | 2350 | .997 | ---- | ---- | 200 | UNCH | ---- | ---- |
| 4000 | ---- | ---- | ---- | ---- | 1290.55+ | 2350 | 1.000 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 8475 | 80242 + | 986 | | |
| SEP18 | EOM EMINI S&P P | | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 560 | UNCH | ---- | ---- |
| 1100 | ---- | ---- | ---- | ---- | .25+ | 5 | .000 | ---- | ---- | 10 | UNCH | 1.15B | .25 |
| 1175 | ---- | ---- | ---- | ---- | .35+ | 5 | .001 | ---- | ---- | 100 | UNCH | 1.40B | .30A |
| 1300 | ---- | ---- | *.40A | ---- | .50+ | 5 | .002 | ---- | ---- | 1 | UNCH | 2.05B | .40A |
| 1350 | ---- | ---- | .45A | ---- | .60+ | 5 | .002 | ---- | ---- | 317 | UNCH | 2.45B | .40A |
| 1375 | ---- | ---- | .50A | ---- | .65+ | 5 | .002 | ---- | ---- | 3 | UNCH | 2.65B | .40 |
| 1400 | ---- | ---- | .55A | ---- | .70+ | 5 | .003 | ---- | ---- | 3 | UNCH | 3.45 | .45 |
| 1425 | ---- | ---- | .60A | ---- | .75+ | 5 | .003 | ---- | ---- | 32 | UNCH | 3.15B | .50A |
| 1500 | ---- | .90B | .75A | ---- | .95+ | 10 | .004 | ---- | ---- | 1 | UNCH | 4.00B | .60A |
| 1550 | ---- | 1.05B | .85A | ---- | 1.10+ | 10 | .005 | ---- | ---- | 10 | UNCH | 4.70B | .70A |
| 1575 | ---- | 1.15B | .90A | ---- | 1.20+ | 15 | .005 | ---- | ---- | 10 | UNCH | 5.00B | .75A |
| 1600 | ---- | 1.20B | 1.00A | ---- | 1.30+ | 15 | .006 | ---- | ---- | 218 | UNCH | 5.50B | .80A |
| 1625 | ---- | 1.30B | 1.10A | ---- | 1.40+ | 15 | .006 | ---- | ---- | 53 | UNCH | 6.00B | .90A |
| 1650 | ---- | 1.45B | 1.15A | ---- | 1.50+ | 20 | .007 | ---- | ---- | 41 | UNCH | 6.50B | .95A |
| 1700 | ---- | 1.70B | 1.35A | ---- | 1.75+ | 25 | .008 | ---- | ---- | 5 | UNCH | 7.75B | 1.10A |
| 1750 | ---- | 1.95B | 1.55A | ---- | 2.05+ | 30 | .010 | ---- | ---- | 13 | UNCH | 9.00B | 1.25 |
| 1775 | ---- | 2.10B | 1.65A | ---- | 2.20+ | 35 | .011 | ---- | ---- | 42 | UNCH | 10.00B | 1.35A |
| 1780 | ---- | 2.15B | 1.70A | ---- | 2.25+ | 35 | .011 | ---- | ---- | 102 | UNCH | 10.25B | 1.40A |
| 1800 | ---- | 2.30B | 1.80A | ---- | 2.40+ | 40 | .012 | ---- | ---- | 112 | UNCH | 11.00B | 1.45A |
| 1810 | ---- | 2.35B | 1.85A | ---- | 2.45+ | 40 | .012 | ---- | ---- | 8 | UNCH | 11.25B | 1.50A |
| 1825 | ---- | 2.50B | 1.95A | ---- | 2.60+ | 45 | .013 | ---- | ---- | 137 | UNCH | 12.00B | 1.55A |
| 1840 | ---- | 2.65B | 2.05A | ---- | 2.70+ | 45 | .014 | ---- | ---- | 10 | UNCH | 12.50B | 1.65A |
| 1850 | ---- | 2.70B | 2.10A | ---- | 2.80+ | 50 | .014 | ---- | ---- | 319 | UNCH | 13.00B | 1.70A |
| 1860 | ---- | 2.80B | 2.15A | ---- | 2.90+ | 55 | .015 | ---- | ---- | 48 | UNCH | 13.50B | 1.75A |
| 1870 | ---- | 2.90B | 2.20A | ---- | 3.00+ | 55 | .015 | ---- | ---- | 9 | UNCH | 14.00B | 1.80A |
| 1875 | ---- | 2.95B | 2.25A | ---- | 3.05+ | 55 | .016 | ---- | ---- | 73 | UNCH | 14.25B | 1.85A |
| 1880 | ---- | 3.00B | 2.30A | ---- | 3.10+ | 60 | .016 | ---- | ---- | 100 | UNCH | 14.50B | 1.85A |
| 1890 | ---- | 3.15B | 2.35A | ---- | 3.20+ | 60 | .016 | ---- | ---- | 243 | UNCH | 15.00B | 1.95A |
| 1900 | 2.60 | 3.25B | 2.45A | ---- | 3.30+ | 60 | .017 | ---- | 15 | 102 - | 15 | 15.50B | 2.00 |
| 1910 | ---- | 3.35B | 2.50A | ---- | 3.45+ | 65 | .018 | ---- | ---- | 101 | UNCH | 16.00B | 2.05A |
| 1925 | ---- | 3.55B | 2.65A | ---- | 3.60+ | 65 | .019 | ---- | 350 | 876 + | 287 | 16.75B | 2.10A |
| 1930 | ---- | 3.60B | 2.70A | ---- | 3.70+ | 70 | .019 | ---- | ---- | 8 | UNCH | 17.00B | 2.20A |
| 1940 | ---- | 3.75B | 2.75A | ---- | 3.85+ | 70 | .020 | ---- | ---- | 1 | UNCH | 17.75B | 2.25A |
| 1950 | ---- | 3.85B | 2.85A | ---- | 3.95+ | 70 | .021 | ---- | ---- | 72 | UNCH | 18.25B | 2.30A |
| 1970 | 3.35 | 4.15B | 3.05A | ---- | 4.25+ | 75 | .023 | ---- | 1 | 6 + | 1 | 19.50B | 2.45A |
| 1975 | ---- | 4.25B | 3.10A | ---- | 4.35+ | 80 | .023 | ---- | ---- | 91 | UNCH | 19.75B | 2.50A |
| 1980 | 3.45 | 4.30B | 3.15A | ---- | 4.40+ | 80 | .023 | ---- | 2 | 187 + | 2 | 20.25B | 2.50A |
| 2000 | ---- | 4.60B | 3.35A | ---- | 4.70+ | 85 | .025 | ---- | ---- | 269 | UNCH | 21.50B | 2.70A |
| 2010 | 3.85 | 4.80B | 3.45A | ---- | 4.85+ | 85 | .026 | ---- | 1 | 148 + | 1 | 22.25B | 2.80A |
| 2020 | 4.05 | 4.95B | 3.60A | ---- | 5.00+ | 85 | .027 | ---- | 3 | 275 + | 3 | 23.00B | 2.90A |
| 2025 | 4.05 | 5.00B | 3.65A | ---- | 5.10+ | 90 | .028 | ---- | 2 | 86 + | 2 | 23.25B | 2.95A |
| 2030 | ---- | 5.00B | 3.70A | ---- | 5.20+ | 95 | .028 | ---- | ---- | 34 | UNCH | 23.75B | 3.00A |
| 2040 | ---- | 5.25B | 3.85A | ---- | 5.40+ | 100 | .030 | ---- | ---- | 100 | UNCH | 24.50B | 3.05A |
| 2050 | 4.00 | 5.50B | 3.95A | ---- | 5.60+ | 100 | .031 | ---- | 1870 | 5999 + | 1847 | 25.25B | 3.15A |
| 2060 | 4.55 | 5.75B | 4.10A | ---- | 5.80+ | 105 | .032 | ---- | 2 | 44 + | 2 | 26.25B | 3.25A |
| 2070 | ---- | 5.75B | 4.25A | ---- | 6.00+ | 110 | .033 | ---- | ---- | 231 | UNCH | 27.00B | 3.40A |
| 2075 | ---- | 6.00B | 4.35A | ---- | 6.10+ | 110 | .034 | ---- | ---- | 116 | UNCH | 27.50B | 3.45A |
| 2080 | ---- | 6.00B | 4.40A | ---- | 6.20+ | 110 | .035 | ---- | ---- | 82 | UNCH | 28.00B | 3.50A |
| 2090 | ---- | 6.25B | 4.55A | ---- | 6.40+ | 110 | .036 | ---- | ---- | 23 | UNCH | 29.00B | 3.65A |
| 2100 | 6.75 | 7.00 | 4.70A | ---- | 6.70+ | 120 | .038 | ---- | 391 | 2039 + | 391 | 29.75B | 3.75A |
| 2110 | ---- | 6.75B | 4.90A | ---- | 6.90+ | 120 | .039 | ---- | ---- | 7 | UNCH | 30.75B | 3.90A |
| 2120 | ---- | 7.00B | 5.25A | ---- | 7.20+ | 130 | .041 | ---- | ---- | 255 | UNCH | 31.75B | 4.00A |
| 2125 | ---- | 7.25B | 5.25A | ---- | 7.30+ | 130 | .041 | ---- | ---- | 201 | UNCH | 32.25B | 4.10A |
| 2140 | ---- | 7.50B | 5.50A | ---- | 7.70+ | 130 | .044 | ---- | ---- | 4 | UNCH | 34.00B | 4.30A |
| 2150 | 6.25 | 8.00B | 5.75A | ---- | 8.00+ | 140 | .046 | ---- | 66 | 3338 | UNCH | 35.00B | 4.45A |
| 2160 | ---- | 8.25B | 6.00A | ---- | 8.30+ | 140 | .048 | ---- | ---- | 238 | UNCH | 36.25B | 4.60A |
| 2170 | ---- | 8.50B | 6.25A | ---- | 8.60+ | 140 | .049 | ---- | ---- | 3 | UNCH | 37.50B | 4.75A |
| 2175 | 6.25 | 8.75B | 6.25 | ---- | 8.80+ | 150 | .051 | ---- | 60 | 131 + | 60 | 38.00B | 4.85A |
| 2180 | ---- | 8.75B | 6.50A | ---- | 8.90+ | 150 | .051 | ---- | ---- | 9 | UNCH | 38.50B | 4.90A |
| 2190 | ---- | 9.25B | 6.50A | ---- | 9.30+ | 160 | .054 | ---- | ---- | 163 | UNCH | 39.75B | 5.25A |
| 2200 | 9.75 | 9.75 | 6.75A | ---- | 9.60+ | 160 | .056 | ---- | 100 | 760 - | 100 | 48.25B | 5.25A |
| 2210 | 9.75 | 9.75 | 7.00A | ---- | 10.00+ | 170 | .058 | ---- | 20 | 230 + | 20 | 42.50B | 5.50A |
| 2220 | 8.25 | 10.25B | 7.25A | ---- | 10.40+ | 180 | .061 | ---- | 173 | 388 + | 173 | 43.75B | 5.75A |
| 2225 | ---- | 10.50B | 7.50A | ---- | 10.60+ | 180 | .062 | ---- | ---- | 282 | UNCH | 44.50B | 5.75A |
| 2230 | 8.50 | 10.75B | 7.75A | ---- | 10.80+ | 190 | .063 | ---- | 40 | 181 + | 40 | 53.00B | 6.00 |
| 2240 | ---- | 11.00B | 8.00A | ---- | 11.20+ | 190 | .066 | ---- | ---- | 33 | UNCH | 46.75B | 6.00A |
| 2250 | ---- | 11.50B | 8.25A | ---- | 11.60+ | 200 | .068 | ---- | ---- | 204 | UNCH | 48.25B | 6.25A |
| 2260 | ---- | 12.00B | 8.50A | ---- | 12.00+ | 210 | .071 | ---- | ---- | 52 | UNCH | 49.75B | 6.50A |
| 2270 | ---- | 12.50B | 8.75A | ---- | 12.50+ | 220 | .074 | ---- | ---- | 32 | UNCH | 59.75B | 6.75A |
| 2275 | ---- | 12.75B | 9.00A | ---- | 12.70+ | 220 | .076 | ---- | ---- | 7998 | UNCH | 52.00B | 7.00A |
| 2280 | 10.00 | 13.00B | 9.25A | ---- | 13.00+ | 230 | .077 | ---- | 32 | 199 + | 30 | 52.75B | 7.00A |
| 2290 | ---- | 13.50B | 9.50A | ---- | 13.50+ | 240 | .081 | ---- | ---- | 208 | UNCH | 54.50B | 7.25A |
| 2300 | 10.00 | 14.00B | 10.00 | ---- | 14.10+ | 260 | .084 | ---- | 4 | 449 + | 2 | 56.25B | 7.50A |
| 2310 | ---- | 14.50B | 10.25A | ---- | 14.60+ | 270 | .088 | ---- | 2 | 98 | UNCH | 58.00B | 7.75A |
| 2320 | ---- | 15.00B | 10.75A | ---- | 15.20+ | 280 | .092 | ---- | ---- | 88 | UNCH | 59.75B | 8.00A |
| 2325 | ---- | 15.50B | 11.00A | ---- | 15.60+ | 300 | .094 | ---- | ---- | 234 | UNCH | 60.75B | 8.25A |
| 2330 | ---- | 15.75B | 11.00A | ---- | 15.90+ | 300 | .096 | ---- | ---- | 134 | UNCH | 61.75B | 8.50 |
| 2340 | ---- | 16.25B | 11.50A | ---- | 16.50+ | 310 | .100 | ---- | ---- | 300 | UNCH | 63.50B | 8.75A |
| 2350 | 16.50 | 17.00B | 12.00A | ---- | 17.20+ | 320 | .104 | ---- | 2 | 200 + | 2 | 65.50B | 9.00A |
| 2360 | ---- | 17.75B | 12.50A | ---- | 17.90+ | 330 | .109 | ---- | ---- | 342 | UNCH | 67.50B | 9.50A |
| 2370 | ---- | 18.25B | 13.00A | ---- | 18.60+ | 340 | .113 | ---- | ---- | 213 | UNCH | 69.75B | 9.75A |
| 2375 | ---- | 18.75B | 13.25A | ---- | 19.00+ | 350 | .116 | ---- | ---- | 191 | UNCH | 70.75B | 10.00A |
| 2380 | ---- | 19.00B | 13.50A | ---- | 19.40+ | 360 | .118 | ---- | ---- | 201 | UNCH | 71.75B | 10.25A |
| 2390 | ---- | 20.00B | 14.00A | ---- | 20.10+ | 360 | .123 | ---- | ---- | 247 | UNCH | 74.00B | 10.50A |
| 2400 | ---- | 20.75B | 14.50A | ---- | 20.90+ | 380 | .128 | ---- | ---- | 298 | UNCH | 76.25B | 11.00 |
| 2410 | ---- | 21.50B | 15.25A | ---- | 21.80+ | 400 | .134 | ---- | ---- | 157 | UNCH | 78.50B | 11.50A |
| 2420 | 23.00 | 23.00 | 15.75A | ---- | 22.70+ | 420 | .140 | ---- | 5 | 91 | UNCH | 81.00B | 11.75A |
| 2425 | ---- | 23.00B | 16.25A | ---- | 23.10+ | 420 | .143 | ---- | ---- | 5533 | UNCH | 82.25B | 12.00A |
| 2430 | ---- | 23.50B | 16.50A | ---- | 23.60+ | 430 | .146 | ---- | ---- | 1593 | UNCH | 83.50B | 12.25A |
| 2440 | ---- | 24.50B | 17.25A | ---- | 24.50+ | 450 | .152 | ---- | ---- | 271 | UNCH | 86.00B | 12.75A |
| 2450 | ---- | 25.50B | 17.75A | ---- | 25.50+ | 470 | .158 | ---- | 3 | 263 | UNCH | 88.50B | 13.25A |
| 2460 | ---- | 26.50B | 18.50A | ---- | 26.60+ | 490 | .165 | ---- | ---- | 125 | UNCH | 91.25B | 13.75A |
| 2470 | ---- | 27.50B | 19.25A | ---- | 27.80+ | 520 | .173 | ---- | ---- | 20 | UNCH | 94.00B | 14.50A |
| 2475 | 21.50 | 28.25B | 19.75A | ---- | 28.40+ | 530 | .177 | ---- | 5 | 230 + | 1 | 95.50B | 14.75A |
| 2480 | 28.25 | 28.75B | 20.25A | ---- | 29.00+ | 540 | .181 | ---- | 20 | 89 + | 18 | 96.75B | 15.00A |
| 2490 | ---- | 30.00B | 21.00A | ---- | 30.30+ | 570 | .189 | ---- | ---- | 177 | UNCH | 99.75B | 15.75A |
| 2500 | 29.75 | 31.25B | 22.00A | ---- | 31.60+ | 590 | .197 | ---- | 24 | 651 + | 22 | 102.75B | 16.50A |
| 2505 | ---- | 32.00B | 22.50A | ---- | 32.30+ | 600 | .201 | ---- | ---- | 22 | UNCH | 34.50B | 16.75A |
| 2510 | ---- | 32.75B | 23.00A | ---- | 33.00+ | 610 | .206 | ---- | ---- | 195 | UNCH | 105.75B | 17.00A |
| 2520 | ---- | 34.00B | 24.00A | ---- | 34.40+ | 630 | .215 | ---- | ---- | 200 | UNCH | 109.00B | 17.75A |
| 2525 | ---- | 34.75B | 24.50A | ---- | 35.10+ | 640 | .220 | ---- | ---- | 223 | UNCH | 110.50B | 18.00A |
| 2530 | ---- | 35.50B | 25.00A | ---- | 35.80+ | 650 | .224 | ---- | ---- | 369 | UNCH | 112.25B | 18.50A |
| 2535 | ---- | 36.25B | 25.50A | ---- | 36.60+ | 660 | .229 | ---- | ---- | 20 | UNCH | 38.75B | 19.25A |
| 2540 | 38.00 | 38.00 | 26.25A | ---- | 37.40+ | 680 | .234 | ---- | 21 | 222 - | 10 | 115.50B | 19.25A |
| 2550 | ---- | 38.75B | 27.25A | ---- | 39.00+ | 700 | .245 | ---- | ---- | 596 | UNCH | 119.00B | 20.00A |
| 2560 | 37.25 | 40.50B | 28.50A | ---- | 40.70+ | 730 | .255 | ---- | 1 | 23 - | 1 | 122.50B | 21.00A |
| 2565 | ---- | 41.25B | 29.25A | ---- | 41.50+ | 730 | .261 | ---- | ---- | 1 | UNCH | 43.75B | 21.75A |
| 2570 | 39.00 | 42.25B | 29.75A | ---- | 42.40+ | 750 | .267 | ---- | 1 | 79 | UNCH | 126.00B | 22.00A |
| 2575 | ---- | 43.00B | 30.50A | ---- | 43.30+ | 760 | .272 | ---- | ---- | 142 | UNCH | 128.00B | 22.50A |
| 2580 | ---- | 44.00B | 31.25A | ---- | 44.30+ | 780 | .278 | ---- | ---- | 135 | UNCH | 129.75B | 23.00A |
| 2590 | 42.50 | 46.00B | 32.75A | ---- | 46.20+ | 810 | .291 | ---- | 1 | 126 | UNCH | 133.50B | 24.00A |
| 2595 | ---- | 47.00B | 33.50A | ---- | 47.20+ | 820 | .297 | ---- | ---- | 20 | UNCH | 49.50B | 25.00A |
| 2600 | 37.50 | 48.00B | 34.25A | ---- | 48.30+ | 850 | .304 | ---- | 3 | 240 | UNCH | 137.50B | 25.25A |
| 2610 | ---- | 50.25B | 35.75A | ---- | 50.40+ | 880 | .317 | ---- | ---- | 127 | UNCH | 141.50B | 26.25A |
| 2615 | ---- | 51.25B | 36.50A | ---- | 51.50+ | 890 | .324 | ---- | ---- | 28 | UNCH | 53.75B | 27.25A |
| 2620 | 49.00 | 52.50B | 37.50A | ---- | 52.70+ | 910 | .331 | ---- | 1132 | 459 + | 374 | 145.50B | 27.50A |
| 2625 | 42.00 | 53.75B | 38.25A | ---- | 53.90+ | 930 | .339 | ---- | 352 | 607 + | 260 | 147.50B | 28.25A |
| 2630 | ---- | 54.75B | 39.25A | ---- | 55.10+ | 950 | .346 | ---- | ---- | 21 | UNCH | 149.75B | 28.75A |
| 2635 | ---- | 56.00B | 40.25A | ---- | 56.30+ | 960 | .354 | ---- | ---- | 20 | UNCH | 58.50B | 30.00A |
| 2640 | ---- | 57.25B | 41.00A | ---- | 57.60+ | 990 | .362 | ---- | ---- | 104 | UNCH | 154.00B | 30.25A |
| 2645 | ---- | 58.75B | 42.00A | ---- | 58.90+ | 1000 | .370 | ---- | ---- | 2 | UNCH | 61.25B | 31.50A |
| 2650 | 56.00 | 60.00B | 43.00A | ---- | 60.20+ | 1020 | .378 | ---- | 4 | 67 + | 1 | 158.25B | 31.75A |
| 2655 | ---- | 61.25B | 44.00A | ---- | 61.50+ | 1030 | .386 | ---- | ---- | 1 | UNCH | 63.75B | 33.00A |
| 2660 | 48.75 | 62.75B | 45.25A | ---- | 62.90+ | 1050 | .394 | ---- | 2 | 283 | UNCH | 163.00B | 33.25A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2670 | ---- | 65.50B | 47.25A | ---- | 65.80+ | 1090 | .412 | ---- | ---- | 209 | UNCH | 167.50B | 34.75A |
| 2675 | 63.25 | 67.00B | 48.50A | ---- | 67.30+ | 1110 | .421 | ---- | 2 | 299 + | 1 | 170.00B | 35.75A |
| 2680 | ---- | 68.75B | 49.75A | ---- | 68.90+ | 1130 | .430 | ---- | ---- | 150 | UNCH | 172.50B | 36.50A |
| 2685 | ---- | 70.25B | 51.00A | ---- | 70.50+ | 1160 | .439 | ---- | ---- | 10 | UNCH | 72.75B | 38.25A |
| 2690 | 66.00 | 71.75B | 52.25A | ---- | 72.10+ | 1180 | .449 | ---- | 2 | 244 | UNCH | 177.50B | 38.50A |
| 2695 | ---- | 73.50B | 53.50A | ---- | 73.70+ | 1190 | .459 | ---- | ---- | 45 | UNCH | 76.00B | 40.25A |
| 2700 | ---- | 75.25B | 54.75A | ---- | 75.50+ | 1220 | .469 | ---- | ---- | 782 | UNCH | 182.75B | 40.25A |
| 2705 | ---- | 77.00B | 56.00A | ---- | 77.20+ | 1240 | .479 | ---- | ---- | 16 | UNCH | 79.50B | 42.25A |
| 2710 | ---- | 78.75B | 57.50A | ---- | 79.10+ | 1280 | .489 | ---- | ---- | 640 | UNCH | 188.00B | 42.50A |
| 2715 | ---- | 80.50B | 59.00A | ---- | 81.00+ | 1310 | .500 | ---- | ---- | 285 | UNCH | 158.25B | 43.50A |
| 2720 | 77.50 | 82.50B | 60.50A | ---- | 82.90+ | 1340 | .510 | ---- | 1 | 63 | UNCH | 193.50B | 44.50A |
| 2725 | ---- | 84.25B | 62.00A | ---- | 84.90+ | 1380 | .521 | ---- | ---- | 682 | UNCH | 196.25B | 45.75A |
| 2730 | ---- | 86.25B | 63.50A | ---- | 86.90+ | 1410 | .532 | ---- | ---- | 62 | UNCH | 199.00B | 47.00A |
| 2735 | ---- | 88.25B | 65.00A | ---- | 88.90+ | 1430 | .543 | ---- | ---- | 22 | UNCH | 170.50B | 48.25A |
| 2740 | ---- | 90.25B | 66.75A | ---- | 91.00+ | 1460 | .555 | ---- | ---- | 299 | UNCH | 204.50B | 49.50A |
| 2745 | ---- | 92.50B | 68.50A | ---- | 93.10+ | 1480 | .566 | ---- | ---- | 48 | UNCH | 176.75B | 50.75A |
| 2750 | ---- | 94.75B | 70.25A | ---- | 95.40+ | 1510 | .578 | ---- | ---- | 4358 | UNCH | 210.75B | 52.00A |
| 2755 | ---- | 97.00B | 72.00A | ---- | 97.70+ | 1530 | .590 | ---- | ---- | 21 | UNCH | 99.25B | 54.75A |
| 2760 | ---- | 99.25B | 74.00A | ---- | 100.10+ | 1560 | .602 | ---- | ---- | 80 | UNCH | 216.75B | 55.00A |
| 2770 | ---- | 104.25B | 77.75A | ---- | 105.00+ | 1620 | .626 | ---- | ---- | 72 | UNCH | 222.75B | 58.00A |
| 2775 | ---- | 106.75B | 80.00A | ---- | 107.50+ | 1640 | .638 | ---- | ---- | 122 | UNCH | 226.25B | 59.50A |
| 2780 | ---- | 109.50B | 82.00A | ---- | 110.10+ | 1650 | .651 | ---- | ---- | 80 | UNCH | 229.25B | 61.25A |
| 2785 | ---- | 112.00B | 84.50A | ---- | 112.80+ | 1680 | .663 | ---- | ---- | 108 | UNCH | 146.50B | 63.00A |
| 2790 | ---- | 115.00B | 86.75A | ---- | 115.60+ | 1700 | .676 | ---- | ---- | 74 | UNCH | 235.75B | 64.75A |
| 2795 | ---- | 117.75B | 89.00A | ---- | 118.40+ | 1730 | .689 | ---- | ---- | 2 | UNCH | 140.25B | 66.50A |
| 2800 | ---- | 120.75B | 91.25A | ---- | 121.40+ | 1760 | .701 | ---- | ---- | 42 | UNCH | 242.50B | 68.25A |
| 2810 | ---- | 126.75B | 96.50A | ---- | 127.50+ | 1830 | .726 | ---- | ---- | 1 | UNCH | 248.75B | 72.50A |
| 2815 | 106.25 | 130.00B | 99.00A | ---- | 130.70+ | 1860 | .739 | ---- | 20 | 20 + | 20 | 222.50B | 74.50A |
| 2850 | ---- | 154.50B | 119.75A | ---- | 155.30+ | 2070 | .820 | ---- | ---- | 13 | UNCH | 266.50B | 91.00A |
| 2860 | ---- | 162.00B | 126.50A | ---- | 163.00+ | 2110 | .841 | ---- | ---- | 1 | UNCH | 265.75B | 96.50A |
| 2875 | ---- | 173.75B | 137.25A | ---- | 175.10+ | 2170 | .870 | ---- | ---- | 45 | UNCH | 273.50B | 105.00A |
| 2880 | ---- | 177.75B | 141.00A | ---- | 179.20+ | 2180 | .879 | ---- | ---- | 1 | UNCH | 278.00B | 108.00A |
| 2900 | ---- | 193.75B | 157.75A | ---- | 196.50+ | 2230 | .910 | ---- | ---- | 7 | UNCH | 296.25B | 121.25A |
| 2915 | ---- | 206.75B | 170.75A | ---- | 210.10+ | 2270 | .928 | ---- | ---- | 61 | UNCH | 310.25B | 132.00A |
| 3400 | ---- | ---- | ---- | ---- | 688.55+ | 2390 | .999 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 4000 | ---- | ---- | ---- | ---- | 1285.60+ | 2395 | 1.000 | ---- | ---- | 100 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 4735 | 53978 + | 3434 | | |
| OCT18 | EOM EMINI S&P P | | | | | | | | | | | | |
| 1150 | 0.50 | .50 | .50 | ---- | .40+ | NEW | .001 | ---- | 100 | 100 + | 100 | .90B | .40A |
| 1200 | ---- | ---- | ---- | ---- | .50+ | 10 | .001 | ---- | ---- | 100 | UNCH | .65B | .45A |
| 1400 | ---- | .90B | ---- | ---- | 1.05+ | 20 | .004 | ---- | ---- | 33 | UNCH | 1.85B | .70A |
| 1425 | ---- | 1.00B | .90A | ---- | 1.10+ | 15 | .004 | ---- | ---- | 10 | UNCH | 2.00B | .75A |
| 1500 | ---- | 1.30B | 1.15A | ---- | 1.40+ | 20 | .005 | ---- | ---- | 1 | UNCH | 2.55B | .95A |
| 1550 | ---- | 1.55B | 1.30A | ---- | 1.65+ | 25 | .007 | ---- | ---- | 219 | UNCH | 3.00B | 1.05A |
| 1575 | ---- | 1.70B | 1.40A | ---- | 1.75+ | 25 | .007 | ---- | ---- | 1 | UNCH | 3.25B | 1.15A |
| 1600 | ---- | 1.85B | 1.50A | ---- | 1.90+ | 25 | .008 | ---- | ---- | 39 | UNCH | 3.55B | 1.25A |
| 1625 | ---- | 2.00B | 1.65A | ---- | 2.05+ | 30 | .009 | ---- | ---- | 16 | UNCH | 3.90B | 1.35A |
| 1700 | ---- | 2.60B | 2.05A | ---- | 2.65+ | 40 | .011 | ---- | ---- | 18 | UNCH | 5.00B | 1.70 |
| 1725 | 3.10 | 3.10 | 2.20A | ---- | 2.90+ | 50 | .013 | ---- | 1 | 294 | UNCH | 5.50B | 1.85A |
| 1750 | ---- | 3.05B | 2.40A | ---- | 3.15+ | 55 | .014 | ---- | ---- | 16 | UNCH | 6.00B | 2.00A |
| 1775 | ---- | 3.35B | 2.60A | ---- | 3.45+ | 60 | .015 | ---- | ---- | 18 | UNCH | 6.50B | 2.15A |
| 1780 | ---- | 3.40B | 2.60A | ---- | 3.50+ | 60 | .016 | ---- | ---- | 54 | UNCH | 6.75B | 2.20A |
| 1800 | ---- | 3.65B | 2.80A | ---- | 3.75+ | 65 | .017 | ---- | ---- | 76 | UNCH | 7.25B | 2.35A |
| 1810 | ---- | 3.75B | 2.90A | ---- | 3.90+ | 70 | .017 | ---- | ---- | 12 | UNCH | 7.50B | 2.40A |
| 1820 | ---- | 3.90B | 3.00A | ---- | 4.05+ | 75 | .018 | ---- | ---- | 71 | UNCH | 7.75B | 2.50A |
| 1830 | ---- | 4.05B | 3.10A | ---- | 4.20+ | 75 | .019 | ---- | ---- | 31 | UNCH | 8.00B | 2.55A |
| 1850 | ---- | 4.35B | 3.30A | ---- | 4.50+ | 85 | .020 | ---- | ---- | 15 | UNCH | 8.75B | 2.75A |
| 1860 | ---- | 4.50B | 3.40A | ---- | 4.65+ | 85 | .021 | ---- | ---- | 29 | UNCH | 9.00B | 2.85A |
| 1870 | ---- | 4.65B | 3.50A | ---- | 4.85+ | 95 | .022 | ---- | ---- | 17 | UNCH | 9.25B | 2.90A |
| 1880 | ---- | 4.80B | 3.65A | ---- | 5.00+ | 95 | .023 | ---- | ---- | 6 | UNCH | 9.75B | 2.95 |
| 1900 | ---- | 5.00B | 3.90A | ---- | 5.40+ | 105 | .025 | ---- | ---- | 59 | UNCH | 10.50B | 3.20A |
| 1920 | ---- | 5.50B | 4.15A | ---- | 5.70+ | 105 | .026 | ---- | ---- | 145 | UNCH | 11.25B | 3.40A |
| 1950 | ---- | 6.00B | 4.60A | ---- | 6.40+ | 130 | .030 | ---- | ---- | 137 | UNCH | 12.50B | 3.65 |
| 1960 | ---- | 6.25B | 4.75A | ---- | 6.60+ | 130 | .031 | ---- | ---- | 3 | UNCH | 13.00B | 3.90A |
| 1970 | ---- | 6.50B | 4.90A | ---- | 6.80+ | 130 | .032 | ---- | ---- | 240 | UNCH | 13.25B | 4.00A |
| 1975 | ---- | 6.50B | 5.00A | ---- | 6.90+ | 130 | .032 | ---- | ---- | 270 | UNCH | 13.50B | 4.05A |
| 1980 | ---- | 6.75B | 5.25A | ---- | 7.00+ | 130 | .033 | ---- | ---- | 2 | UNCH | 13.75B | 4.15A |
| 1990 | 5.75 | 7.00B | 5.25A | ---- | 7.30+ | 140 | .034 | ---- | 2 | 20 + | 2 | 14.25B | 4.25A |
| 2000 | ---- | 7.25B | 5.50A | ---- | 7.50+ | 140 | .036 | ---- | ---- | 870 | UNCH | 14.75B | 4.40A |
| 2010 | ---- | 7.50B | 5.75A | ---- | 7.70+ | 140 | .037 | ---- | ---- | 244 | UNCH | 15.50B | 4.55A |
| 2020 | ---- | 7.75B | 6.00A | ---- | 8.00+ | 150 | .038 | ---- | ---- | 12 | UNCH | 16.00B | 4.70A |
| 2025 | ---- | 7.75B | 6.00A | ---- | 8.10+ | 150 | .039 | ---- | ---- | 1224 | UNCH | 16.25B | 4.75A |
| 2030 | ---- | 8.00B | 6.00A | ---- | 8.30+ | 160 | .040 | ---- | ---- | 180 | UNCH | 16.50B | 4.85A |
| 2040 | ---- | 8.25B | 6.25A | ---- | 8.50+ | 150 | .041 | ---- | ---- | 16 | UNCH | 17.00B | 5.00A |
| 2050 | ---- | 8.50B | 6.50A | ---- | 8.80+ | 160 | .042 | ---- | ---- | 230 | UNCH | 17.75B | 5.25 |
| 2060 | ---- | 9.00B | 6.75A | ---- | 9.10+ | 160 | .044 | ---- | ---- | 20 | UNCH | 18.25B | 5.50A |
| 2070 | ---- | 9.25B | 7.00A | ---- | 9.40+ | 160 | .046 | ---- | ---- | 180 | UNCH | 19.00B | 5.50A |
| 2075 | ---- | 9.50B | 7.00A | ---- | 9.60+ | 170 | .047 | ---- | ---- | 136 | UNCH | 19.25B | 5.75A |
| 2080 | ---- | 9.50B | 7.25A | ---- | 9.70+ | 160 | .047 | ---- | ---- | 151 | UNCH | 19.75B | 5.75A |
| 2090 | ---- | 10.00B | 7.50A | ---- | 10.10+ | 180 | .049 | ---- | ---- | 5 | UNCH | 20.25B | 6.00A |
| 2100 | ---- | 10.25B | 7.75A | ---- | 10.40+ | 180 | .051 | ---- | 1396 | 2009 + | 1391 | 21.00B | 6.25A |
| 2110 | ---- | 10.50B | 8.00A | ---- | 10.80+ | 190 | .053 | ---- | ---- | 20 | UNCH | 21.75B | 6.50A |
| 2125 | ---- | 11.25B | 8.25A | ---- | 11.40+ | 200 | .056 | ---- | ---- | 150 | UNCH | 23.00B | 6.75A |
| 2130 | ---- | 11.25B | 8.50A | ---- | 11.60+ | 200 | .057 | ---- | ---- | 13 | UNCH | 23.50B | 6.75A |
| 2140 | ---- | 11.75B | 8.75A | ---- | 12.00+ | 210 | .059 | ---- | ---- | 40 | UNCH | 24.25B | 7.00A |
| 2150 | 11.25 | 12.25B | 9.00A | ---- | 12.40+ | 210 | .061 | ---- | 4 | 88 | UNCH | 25.00B | 7.25A |
| 2160 | ---- | 12.50B | 9.50A | ---- | 12.80+ | 220 | .064 | ---- | ---- | 11 | UNCH | 26.00B | 7.50A |
| 2170 | ---- | 13.00B | 9.75A | ---- | 13.30+ | 230 | .066 | ---- | ---- | 6 | UNCH | 27.00B | 7.75A |
| 2175 | ---- | 13.25B | 10.00A | ---- | 13.50+ | 230 | .067 | ---- | ---- | 177 | UNCH | 27.25B | 7.75A |
| 2180 | ---- | 13.50B | 10.00A | ---- | 13.80+ | 240 | .069 | ---- | ---- | 80 | UNCH | 27.75B | 8.00A |
| 2200 | ---- | 14.50B | 10.75A | ---- | 14.80+ | 260 | .074 | ---- | ---- | 138 | UNCH | 29.75B | 8.50A |
| 2210 | ---- | 15.00B | 11.25A | ---- | 15.30+ | 270 | .077 | ---- | ---- | 12 | UNCH | 30.75B | 8.75A |
| 2220 | ---- | 15.50B | 11.50A | ---- | 15.80+ | 270 | .079 | ---- | ---- | 11 | UNCH | 32.00B | 9.00A |
| 2225 | ---- | 15.75B | 11.75A | ---- | 16.10+ | 280 | .081 | ---- | ---- | 8017 | UNCH | 32.50B | 9.25A |
| 2240 | ---- | 16.75B | 12.50A | ---- | 17.00+ | 300 | .086 | ---- | ---- | 10 | UNCH | 34.25B | 9.75A |
| 2250 | ---- | 17.25B | 13.00A | ---- | 17.60+ | 310 | .089 | ---- | ---- | 128 | UNCH | 35.25B | 10.00 |
| 2275 | ---- | 19.00B | 14.00A | ---- | 19.20+ | 330 | .097 | ---- | ---- | 94 | UNCH | 38.50B | 11.00A |
| 2280 | ---- | 19.25B | 14.25A | ---- | 19.50+ | 330 | .099 | ---- | ---- | 59 | UNCH | 39.25B | 11.25A |
| 2290 | ---- | 20.00B | 14.75A | ---- | 20.20+ | 340 | .103 | ---- | ---- | 27 | UNCH | 40.50B | 11.50A |
| 2300 | 15.75 | 20.75B | 15.50A | ---- | 21.00+ | 360 | .107 | ---- | 5 | 177 + | 3 | 42.00B | 12.00A |
| 2310 | ---- | 21.50B | 16.00A | ---- | 21.70+ | 370 | .111 | ---- | ---- | 12 | UNCH | 43.25B | 12.25A |
| 2320 | ---- | 22.25B | 16.50A | ---- | 22.50+ | 380 | .115 | ---- | ---- | 37 | UNCH | 44.75B | 12.75A |
| 2325 | ---- | 22.50B | 16.75A | ---- | 22.90+ | 390 | .117 | ---- | ---- | 216 | UNCH | 45.50B | 13.00A |
| 2330 | ---- | 23.00B | 17.00A | ---- | 23.30+ | 390 | .119 | ---- | ---- | 1 | UNCH | 46.50B | 13.25A |
| 2340 | ---- | 23.75B | 17.75A | ---- | 24.10+ | 400 | .124 | ---- | ---- | 74 | UNCH | 48.00B | 13.75A |
| 2350 | 24.75 | 24.75 | 18.50A | ---- | 25.00+ | 420 | .129 | ---- | 1 | 777 + | 1 | 49.75B | 14.25A |
| 2360 | ---- | 25.50B | 19.00A | ---- | 25.90+ | 430 | .133 | ---- | ---- | 14 | UNCH | 51.25B | 14.75A |
| 2375 | ---- | 27.00B | 20.25A | ---- | 27.30+ | 450 | .141 | ---- | ---- | 5342 | UNCH | 54.00B | 15.50A |
| 2380 | ---- | 27.50B | 20.50A | ---- | 27.80+ | 460 | .144 | ---- | ---- | 1 | UNCH | 55.00B | 15.75A |
| 2390 | ---- | 28.50B | 21.25A | ---- | 28.80+ | 480 | .149 | ---- | ---- | 3 | UNCH | 56.75B | 16.25A |
| 2400 | ---- | 29.50B | 22.00A | ---- | 29.90+ | 500 | .155 | ---- | 36 | 235 + | 36 | 58.75B | 17.00A |
| 2410 | ---- | 30.50B | 22.75A | ---- | 31.00+ | 520 | .161 | ---- | ---- | 112 | UNCH | 60.75B | 17.50A |
| 2420 | ---- | 31.75B | 23.75A | ---- | 32.10+ | 530 | .167 | ---- | ---- | 111 | UNCH | 63.00B | 18.00A |
| 2425 | 24.75 | 32.25B | 24.25A | ---- | 32.70+ | 540 | .170 | ---- | 1 | 47 + | 1 | 64.00B | 18.50A |
| 2430 | ---- | 33.00B | 24.50A | ---- | 33.30+ | 550 | .173 | ---- | ---- | 57 | UNCH | 65.00B | 18.75A |
| 2440 | ---- | 34.25B | 25.50A | ---- | 34.60+ | 580 | .180 | ---- | ---- | 4 | UNCH | 67.25B | 19.50A |
| 2450 | 27.25 | 35.50B | 26.50A | ---- | 35.90+ | 600 | .187 | ---- | 9 | 82 - | 9 | 69.50B | 20.25A |
| 2460 | ---- | 36.75B | 27.50A | ---- | 37.20+ | 620 | .194 | ---- | ---- | 263 | UNCH | 72.00B | 21.00A |
| 2470 | 29.25 | 38.00B | 28.50A | ---- | 38.60+ | 640 | .201 | ---- | 2 | 56 + | 1 | 74.50B | 21.75A |
| 2475 | ---- | 38.75B | 29.00A | ---- | 39.30+ | 650 | .205 | ---- | ---- | 195 | UNCH | 75.75B | 22.25A |
| 2480 | ---- | 39.50B | 29.50A | ---- | 40.00+ | 660 | .208 | ---- | ---- | 5 | UNCH | 77.00B | 22.50A |
| 2490 | ---- | 41.00B | 30.75A | ---- | 41.50+ | 680 | .216 | ---- | ---- | 2 | UNCH | 79.50B | 23.50A |
| 2495 | 32.00 | 41.75B | 31.25A | ---- | 42.30+ | NEW | .220 | ---- | 9 | 9 + | 9 | 43.50B | 24.25A |
| 2500 | ---- | 42.50B | 32.00A | ---- | 43.00+ | 700 | .224 | ---- | 54 | 463 + | 48 | 82.25B | 24.25 |
| 2510 | ---- | 44.25B | 33.25A | ---- | 44.60+ | 720 | .233 | ---- | ---- | 32 | UNCH | 85.25B | 25.25A |
| 2520 | ---- | 45.75B | 34.50A | ---- | 46.30+ | 750 | .242 | ---- | ---- | 4 | UNCH | 88.00B | 26.25A |
| 2525 | ---- | 46.75B | 35.00A | ---- | 47.20+ | 760 | .246 | ---- | ---- | 60 | UNCH | 89.50B | 26.75A |
| 2530 | ---- | 47.50B | 35.75A | ---- | 48.00+ | 770 | .251 | ---- | ---- | 1 | UNCH | 91.00B | 27.25A |
| 2540 | 50.75 | 50.75 | 37.25A | ---- | 49.80+ | 790 | .260 | ---- | 1 | 106 | UNCH | 94.25B | 28.25A |
| 2550 | ---- | 51.25B | 38.50A | ---- | 51.70+ | 820 | .270 | ---- | ---- | 172 | UNCH | 97.50B | 29.50A |
| 2560 | ---- | 53.00B | 40.00A | ---- | 53.60+ | 840 | .280 | ---- | ---- | 10 | UNCH | 100.75B | 30.50A |
| 2570 | 56.50 | 56.50 | 41.75A | ---- | 55.60+ | 870 | .291 | ---- | 1 | 10 + | 1 | 104.25B | 31.75A |
| 2575 | ---- | 56.25B | 42.50A | ---- | 56.60+ | 880 | .296 | ---- | ---- | 158 | UNCH | 106.00B | 32.25A |

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# E-MINI S&P 500 PUT OPTIONS



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*CME Group, Inc.*
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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2580 | ---- | 57.25B | 43.25A | ---- | 57.60+ | 880 | .302 | ---- | ---- | 1 | | UNCH | 107.75B | 33.00A |
| 2590 | ---- | 59.25B | 45.00A | ---- | 59.80+ | 910 | .313 | ---- | ---- | 1 | | UNCH | 110.75B | 34.25A |
| 2600 | 61.75 | 61.75 | 46.75A | ---- | 62.00+ | 940 | .325 | ---- | 58 | 420 | - | 12 | 114.50B | 35.75A |
| 2605 | ---- | 62.75B | 47.75A | ---- | 63.10+ | 940 | .331 | ---- | ---- | 250 | | UNCH | 64.50B | 37.25A |
| 2620 | ---- | 66.50B | 50.50A | ---- | 66.70+ | 990 | .349 | ---- | ---- | 1 | | UNCH | 122.50B | 38.50A |
| 2625 | ---- | 67.75B | 51.50A | ---- | 67.90+ | 990 | .356 | ---- | ---- | 5 | | UNCH | 124.50B | 39.25A |
| 2640 | ---- | 71.75B | 54.75A | ---- | 71.80+ | 1040 | .376 | ---- | ---- | 8 | | UNCH | 130.75B | 41.75A |
| 2650 | ---- | 74.50B | 56.75A | ---- | 74.50+ | 1070 | .390 | ---- | ---- | 555 | | UNCH | 135.25B | 43.50A |
| 2660 | ---- | 77.25B | 59.00A | ---- | 77.30+ | 1090 | .405 | ---- | ---- | 1 | | UNCH | 140.00B | 45.25A |
| 2670 | ---- | 80.25B | 61.50A | ---- | 80.30+ | 1130 | .420 | ---- | ---- | 3 | | UNCH | 144.75B | 47.25A |
| 2675 | 69.50 | 81.50B | 62.75A | ---- | 81.80+ | 1140 | .428 | ---- | 3 | 200 | + | 3 | 147.00B | 48.25A |
| 2680 | ---- | 83.00B | 64.00A | ---- | 83.40+ | 1160 | .436 | ---- | ---- | 24 | | UNCH | 149.50B | 49.25A |
| 2685 | 72.25 | 84.75B | 65.25A | ---- | 85.10+ | NEW | .444 | ---- | 2 | 2 | + | 2 | 86.75B | 51.50A |
| 2690 | ---- | 86.25B | 66.75A | ---- | 86.80+ | 1210 | .452 | ---- | ---- | 3 | | UNCH | 154.75B | 51.25A |
| 2700 | 84.25 | 89.75B | 69.50A | ---- | 90.30+ | 1250 | .468 | ---- | 17 | 940 | - | 7 | 160.00B | 53.50A |
| 2705 | ---- | 91.50B | 70.75A | ---- | 92.10+ | 1270 | .477 | ---- | ---- | 3 | | UNCH | 93.50B | 56.00A |
| 2710 | 80.25 | 93.25B | 72.25A | ---- | 93.90+ | 1290 | .486 | ---- | 3 | 180 | + | 3 | 165.50B | 55.75A |
| 2715 | 89.50 | 95.25B | 73.75A | ---- | 95.80+ | 1320 | .494 | ---- | 3 | 54 | - | 3 | 168.25B | 57.00A |
| 2720 | ---- | 97.00B | 75.25A | ---- | 97.70+ | 1340 | .503 | ---- | ---- | 9 | | UNCH | 170.75B | 58.25A |
| 2725 | ---- | 99.00B | 77.00A | ---- | 99.60+ | 1360 | .512 | ---- | ---- | 243 | | UNCH | 174.00B | 59.50A |
| 2730 | ---- | 100.75B | 78.50A | ---- | 101.50+ | 1370 | .522 | ---- | ---- | 5 | | UNCH | 176.50B | 60.75A |
| 2735 | 80.75 | 103.00B | 80.25A | ---- | 103.50+ | 1400 | .531 | ---- | 2 | 28 | | UNCH | 179.50B | 62.00A |
| 2740 | ---- | 104.75B | 81.75A | ---- | 105.60+ | 1430 | .540 | ---- | ---- | 27 | | UNCH | 182.50B | 63.50A |
| 2745 | ---- | 107.00B | 83.50A | ---- | 107.70+ | 1450 | .550 | ---- | ---- | 10 | | UNCH | 185.75B | 64.75A |
| 2750 | ---- | 109.00B | 85.25A | ---- | 109.90+ | 1480 | .560 | ---- | ---- | 308 | | UNCH | 188.75B | 66.25A |
| 2755 | ---- | 111.25B | 87.25A | ---- | 112.10+ | 1510 | .569 | ---- | ---- | 120 | | UNCH | 113.00B | 69.50A |
| 2760 | ---- | 113.50B | 89.00A | ---- | 114.30+ | 1530 | .579 | ---- | ---- | 12 | | UNCH | 195.25B | 69.25A |
| 2770 | ---- | 118.25B | 93.00A | ---- | 119.10+ | 1590 | .599 | ---- | ---- | 5 | | UNCH | 201.75B | 72.25A |
| 2775 | 104.00 | 120.75B | 95.00A | ---- | 121.50+ | 1610 | .609 | ---- | 9 | 361 | - | 8 | 205.00B | 74.00A |
| 2780 | ---- | 123.00B | 97.00A | ---- | 124.00+ | 1630 | .620 | ---- | ---- | 196 | | UNCH | 208.50B | 75.50A |
| 2785 | ---- | 125.50B | 99.25A | ---- | 126.60+ | 1660 | .630 | ---- | ---- | 109 | | UNCH | 156.75B | 77.25A |
| 2790 | ---- | 128.00B | 101.25A | ---- | 129.20+ | 1680 | .640 | ---- | ---- | 290 | | UNCH | 215.50B | 79.00A |
| 2795 | ---- | 130.75B | 103.50A | ---- | 131.80+ | 1700 | .651 | ---- | ---- | 12 | | UNCH | 150.50B | 81.00A |
| 2800 | ---- | 133.50B | 105.75A | ---- | 134.50+ | 1720 | .661 | ---- | 1 | 415 | + | 1 | 221.25B | 82.75A |
| 2825 | ---- | 148.00B | 118.25A | ---- | 149.00+ | 1830 | .714 | ---- | ---- | 1 | | UNCH | 238.50B | 93.00A |
| 2840 | ---- | 157.50B | 126.25A | ---- | 158.50+ | 1900 | .745 | ---- | ---- | 1 | | UNCH | 250.25B | 99.75A |
| 2850 | ---- | 164.25B | 132.25A | ---- | 165.20+ | 1950 | .766 | ---- | ---- | 14 | | UNCH | 258.25B | 104.50A |
| 2870 | ---- | 178.25B | 144.50A | ---- | 179.30+ | 2020 | .805 | ---- | ---- | 107 | | UNCH | 275.00B | 114.75A |
| 2875 | ---- | 182.00B | 147.75A | ---- | 183.00+ | 2040 | .815 | ---- | 1 | 10 | | UNCH | 279.00B | 117.50A |
| 2890 | ---- | 193.50B | 158.25A | ---- | 194.50+ | 2100 | .842 | ---- | ---- | 1 | | UNCH | 292.00B | 126.25A |
| 2900 | ---- | 201.50B | 165.25A | ---- | 202.60+ | 2140 | .858 | ---- | ---- | 72 | | UNCH | 301.00B | 132.25A |
| 2910 | ---- | 209.25B | 173.00A | ---- | 210.80+ | 2170 | .873 | ---- | ---- | 4 | | UNCH | 309.75B | 138.75A |
| 2925 | ---- | 222.00B | 184.75A | ---- | 223.60+ | 2210 | .894 | ---- | ---- | 45 | | UNCH | 323.25B | 148.75A |
| 2940 | ---- | 233.00B | 198.00A | ---- | 236.70+ | 2230 | .912 | ---- | ---- | 1 | | UNCH | 337.25B | 159.50A |
| 2950 | ---- | 242.00B | 206.50A | ---- | 245.70+ | 2250 | .922 | ---- | ---- | 1 | | UNCH | 346.50B | 167.00A |
| 3500 | ---- | ---- | ---- | ---- | 786.60+ | 2380 | .999 | ---- | ---- | 1 | | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 1721 | 30317 | + | 1563 | | |
| NOV18 | EOM EMINI S&P P | | | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 5 | | UNCH | ---- | ---- |
| 1125 | ---- | ---- | ---- | ---- | .55+ | 15 | .001 | ---- | ---- | 1 | | UNCH | .50B | .40A |
| 1200 | ---- | ---- | ---- | ---- | .70+ | 15 | .002 | ---- | ---- | 89 | | UNCH | .65 | .50 |
| 1500 | ---- | 1.70B | 1.40A | ---- | 1.70+ | 20 | .006 | ---- | ---- | 4 | | UNCH | 1.95B | 1.25A |
| 1525 | ---- | 1.85B | 1.50A | ---- | 1.85+ | 20 | .007 | ---- | ---- | 240 | | UNCH | 2.15B | 1.25A |
| 1550 | ---- | 2.00B | 1.65A | ---- | 2.05+ | 30 | .008 | ---- | ---- | 3 | | UNCH | 2.35B | 1.35A |
| 1600 | ---- | 2.40B | 1.90A | ---- | 2.45+ | 35 | .010 | ---- | ---- | 4 | | UNCH | 2.75B | 1.55 |
| 1650 | ---- | 2.80B | 2.25A | ---- | 2.95+ | 45 | .012 | ---- | ---- | 3 | | UNCH | 3.25B | 1.85A |
| 1675 | ---- | 3.10B | 2.45A | ---- | 3.25+ | 55 | .013 | ---- | ---- | 1 | | UNCH | 3.55B | 2.00A |
| 1700 | ---- | 3.40B | 2.65A | ---- | 3.55+ | 60 | .014 | ---- | ---- | 3 | | UNCH | 3.90B | 2.15A |
| 1725 | ---- | 3.70B | 2.85A | ---- | 3.85+ | 65 | .016 | ---- | ---- | 20 | | UNCH | 4.30B | 2.35A |
| 1750 | ---- | 4.00B | 3.10A | ---- | 4.20+ | 70 | .017 | ---- | ---- | 6 | | UNCH | 4.65B | 2.55A |
| 1775 | ---- | 4.40B | 3.40A | ---- | 4.55+ | 70 | .019 | ---- | ---- | 7 | | UNCH | 5.00B | 2.80A |
| 1800 | ---- | 4.80B | 3.70A | ---- | 4.95+ | 80 | .021 | ---- | ---- | 18 | | UNCH | 5.50B | 2.95 |
| 1825 | ---- | 5.25B | 4.05A | ---- | 5.40+ | 85 | .023 | ---- | ---- | 1 | | UNCH | 6.00B | 3.25A |
| 1870 | ---- | 6.00B | 4.70A | ---- | 6.30+ | 100 | .027 | ---- | ---- | 2 | | UNCH | 7.00B | 3.80A |
| 1875 | ---- | 6.25B | 4.80A | ---- | 6.40+ | 100 | .027 | ---- | ---- | 20 | | UNCH | 7.00B | 3.85A |
| 1900 | ---- | 6.75B | 5.25A | ---- | 6.90+ | 100 | .030 | ---- | ---- | 18 | | UNCH | 7.50B | 4.20A |
| 1920 | ---- | 7.25B | 5.75A | ---- | 7.40+ | 110 | .032 | ---- | ---- | 122 | | UNCH | 8.25B | 4.50A |
| 1925 | ---- | 7.25B | 5.75A | ---- | 7.60+ | 120 | .033 | ---- | ---- | 192 | | UNCH | 8.25B | 4.55A |
| 1930 | ---- | 7.50B | 5.75A | ---- | 7.70+ | 120 | .033 | ---- | ---- | 2 | | UNCH | 8.50B | 4.65A |
| 1950 | ---- | 8.00B | 6.25A | ---- | 8.20+ | 120 | .036 | ---- | ---- | 2 | | UNCH | 9.00B | 4.95A |
| 1970 | ---- | 8.50B | 6.75A | ---- | 8.80+ | 130 | .038 | ---- | ---- | 1 | | UNCH | 9.75B | 5.50A |
| 1980 | ---- | 9.00B | 7.00A | ---- | 9.10+ | 140 | .040 | ---- | ---- | 3 | | UNCH | 10.00B | 5.50A |
| 2000 | ---- | 9.50B | 7.25A | ---- | 9.80+ | 160 | .043 | ---- | 1 | 19 | + | 1 | 10.75B | 6.00A |
| 2010 | ---- | 10.00B | 7.50A | ---- | 10.10+ | 160 | .044 | ---- | ---- | 2 | | UNCH | 11.00B | 6.25A |
| 2020 | ---- | 10.25B | 8.00A | ---- | 10.50+ | 170 | .046 | ---- | ---- | 1 | | UNCH | 11.50B | 6.25A |
| 2025 | ---- | 10.50B | 8.00A | ---- | 10.60+ | 170 | .047 | ---- | ---- | 3 | | UNCH | 11.50B | 6.50A |
| 2040 | ---- | 11.00B | 8.50A | ---- | 11.20+ | 180 | .049 | ---- | ---- | 10 | | UNCH | 12.25B | 6.75A |
| 2050 | ---- | 11.25B | 8.75A | ---- | 11.60+ | 190 | .051 | ---- | ---- | 262 | | UNCH | 12.50B | 7.00A |
| 2070 | ---- | 12.25B | 9.25A | ---- | 12.40+ | 200 | .055 | ---- | ---- | 3 | | UNCH | 13.50B | 7.50A |
| 2075 | ---- | 12.25B | 9.50A | ---- | 12.60+ | 210 | .056 | ---- | ---- | 1 | | UNCH | 13.50B | 7.50A |
| 2090 | ---- | 13.00B | 10.00A | ---- | 13.20+ | 210 | .059 | ---- | ---- | 18 | | UNCH | 14.25B | 8.00A |
| 2100 | ---- | 13.50B | 10.25A | ---- | 13.70+ | 230 | .061 | ---- | ---- | 13 | | UNCH | 14.75B | 8.25A |
| 2110 | ---- | 14.00B | 10.75A | ---- | 14.10+ | 230 | .063 | ---- | ---- | 3 | | UNCH | 15.25B | 8.50A |
| 2120 | ---- | 14.50B | 11.00A | ---- | 14.60+ | 230 | .065 | ---- | ---- | 6 | | UNCH | 15.75B | 8.75A |
| 2125 | ---- | 14.75B | 11.25A | ---- | 14.80+ | 230 | .066 | ---- | ---- | 2 | | UNCH | 16.00B | 9.00A |
| 2140 | ---- | 15.50B | 11.75A | ---- | 15.60+ | 250 | .070 | ---- | ---- | 20 | | UNCH | 16.75B | 9.50A |
| 2150 | ---- | 16.00B | 12.25A | ---- | 16.10+ | 250 | .073 | ---- | ---- | 10 | | UNCH | 17.25B | 9.75A |
| 2200 | ---- | 18.75B | 14.50A | ---- | 19.10+ | 290 | .087 | ---- | ---- | 281 | | UNCH | 20.25B | 11.50 |
| 2220 | ---- | 20.25B | 15.50A | ---- | 20.40+ | 310 | .093 | ---- | ---- | 3 | | UNCH | 21.75B | 12.25A |
| 2250 | ---- | 22.25B | 17.00A | ---- | 22.50+ | 340 | .103 | ---- | ---- | 1 | | UNCH | 23.75B | 13.50A |
| 2260 | ---- | 23.00B | 17.75A | ---- | 23.30+ | 360 | .106 | ---- | ---- | 140 | | UNCH | 24.50B | 14.00A |
| 2275 | ---- | 24.25B | 18.50A | ---- | 24.50+ | 370 | .112 | ---- | ---- | 140 | | UNCH | 25.75B | 14.75A |
| 2290 | ---- | 25.50B | 19.50A | ---- | 25.80+ | 400 | .118 | ---- | ---- | 131 | | UNCH | 27.00B | 15.50A |
| 2300 | 27.00 | 27.00 | 20.25A | ---- | 26.70+ | 410 | .122 | ---- | 1 | 22 | + | 1 | 28.00B | 16.00A |
| 2310 | ---- | 27.25B | 20.75A | ---- | 27.60+ | 420 | .127 | ---- | ---- | 143 | | UNCH | 28.75B | 16.50A |
| 2340 | ---- | 30.00B | 23.00A | ---- | 30.50+ | 450 | .140 | ---- | ---- | 120 | | UNCH | 31.75B | 18.25A |
| 2350 | ---- | 31.00B | 24.00A | ---- | 31.50+ | 470 | .145 | ---- | ---- | 120 | | UNCH | 32.75B | 18.75A |
| 2360 | ---- | 32.25B | 24.75A | ---- | 32.50+ | 470 | .150 | ---- | ---- | 1 | | UNCH | 34.00B | 19.50A |
| 2370 | 28.00 | 33.25B | 25.50A | ---- | 33.60+ | 490 | .155 | ---- | 2 | 21 | + | 2 | 35.00B | 20.00A |
| 2375 | ---- | 33.75B | 26.00A | ---- | 34.20+ | 500 | .158 | ---- | ---- | 20 | | UNCH | 35.50B | 20.50A |
| 2380 | ---- | 34.50B | 26.50A | ---- | 34.70+ | 500 | .160 | ---- | ---- | 1 | | UNCH | 36.25B | 20.75A |
| 2400 | ---- | 36.75B | 28.25A | ---- | 37.10+ | 540 | .172 | ---- | ---- | 48 | | UNCH | 38.50B | 22.25A |
| 2420 | ---- | 39.25B | 30.25A | ---- | 39.70+ | 580 | .184 | ---- | ---- | 2 | | UNCH | 41.25B | 23.75A |
| 2425 | ---- | 40.00B | 30.75A | ---- | 40.40+ | 590 | .187 | ---- | ---- | 9 | | UNCH | 41.75B | 24.25A |
| 2440 | ---- | 42.00B | 32.50A | ---- | 42.50+ | 620 | .197 | ---- | ---- | 2 | | UNCH | 44.00B | 25.50A |
| 2450 | 33.75 | 43.50B | 33.75 | ---- | 43.90+ | 640 | .204 | ---- | 3 | 3 | + | 2 | 45.50B | 26.25A |
| 2460 | 35.00 | 45.00B | 34.75A | ---- | 45.40+ | 660 | .211 | ---- | 1 | 19 | | UNCH | 47.00B | 27.25A |
| 2475 | ---- | 47.25B | 36.75A | ---- | 47.70+ | 680 | .222 | ---- | ---- | 11 | | UNCH | 49.25B | 28.75A |
| 2480 | 37.75 | 48.25B | 37.25A | ---- | 48.50+ | NEW | .225 | ---- | 1 | 1 | + | 1 | 50.00B | 29.25A |
| 2500 | ---- | 51.50B | 40.00A | ---- | 51.90+ | 730 | .241 | ---- | 1 | 131 | + | 1 | 53.50B | 31.25A |
| 2510 | ---- | 53.25B | 41.50A | ---- | 53.70+ | 750 | .249 | ---- | ---- | 168 | | UNCH | 55.25B | 32.50A |
| 2520 | ---- | 55.00B | 43.00A | ---- | 55.50+ | 770 | .258 | ---- | ---- | 18 | | UNCH | 57.00B | 33.50A |
| 2525 | ---- | 56.00B | 43.75A | ---- | 56.40+ | 770 | .262 | ---- | ---- | 18 | | UNCH | 58.00B | 34.25A |
| 2550 | ---- | 61.00B | 47.75A | ---- | 61.30+ | 820 | .285 | ---- | ---- | 13 | | UNCH | 63.00B | 37.25A |
| 2570 | ---- | 65.25B | 51.00A | ---- | 65.60+ | 870 | .305 | ---- | ---- | 66 | | UNCH | 67.25B | 40.00A |
| 2575 | ---- | 66.25B | 52.00A | ---- | 66.70+ | 880 | .310 | ---- | ---- | 152 | | UNCH | 68.25B | 40.75A |
| 2580 | ---- | 67.50B | 53.00A | ---- | 67.90+ | 900 | .315 | ---- | ---- | 64 | | UNCH | 69.50B | 41.50A |
| 2600 | ---- | 72.25B | 56.75A | ---- | 72.70+ | 950 | .337 | ---- | 6 | 129 | + | 6 | 74.25B | 44.50A |
| 2650 | ---- | 85.75B | 67.75A | ---- | 86.10+ | 1100 | .397 | ---- | ---- | 1 | | UNCH | 87.50B | 53.50A |
| 2670 | ---- | 91.75B | 72.75A | ---- | 92.10+ | 1150 | .424 | ---- | ---- | 1 | | UNCH | 93.75 | 57.50A |
| 2675 | ---- | 93.00B | 74.25A | ---- | 93.60+ | 1160 | .431 | ---- | ---- | 2 | | UNCH | 95.25 | 58.50A |
| 2700 | ---- | 101.50B | 81.25A | ---- | 102.10+ | 1230 | .468 | ---- | ---- | 19 | | UNCH | 103.50B | 64.25A |
| 2710 | ---- | 105.00B | 84.25A | ---- | 105.80+ | 1280 | .483 | ---- | ---- | 20 | | UNCH | 107.00B | 66.75A |
| 2715 | ---- | 106.75B | 85.75A | ---- | 107.70+ | 1310 | .491 | ---- | ---- | 18 | | UNCH | 109.00B | 68.00A |
| 2720 | ---- | 108.75B | 87.25A | ---- | 109.50+ | 1320 | .499 | ---- | 12 | 168 | + | 12 | 110.75B | 69.25A |
| 2725 | ---- | 110.75B | 88.75A | ---- | 111.50+ | 1350 | .507 | ---- | ---- | 18 | | UNCH | 112.75B | 70.50A |
| 2730 | ---- | 112.50B | 90.50A | ---- | 113.40+ | 1370 | .515 | ---- | ---- | 18 | | UNCH | 114.50B | 71.75A |
| 2740 | ---- | 116.50B | 93.75A | ---- | 117.40+ | 1410 | .531 | ---- | ---- | 18 | | UNCH | 118.25B | 74.50A |
| 2750 | ---- | 120.75B | 97.50A | ---- | 121.50+ | 1450 | .548 | ---- | ---- | 19 | | UNCH | 122.50B | 77.50A |
| 2755 | ---- | 122.75B | 99.25A | ---- | 123.70+ | 1480 | .557 | ---- | ---- | 1 | | UNCH | 124.50B | 81.75A |
| 2760 | ---- | 125.00B | 101.00A | ---- | 125.90+ | 1500 | .566 | ---- | ---- | 18 | | UNCH | 126.75B | 80.50A |
| 2770 | ---- | 129.50B | 104.75A | ---- | 130.50+ | 1540 | .583 | ---- | ---- | 8 | | UNCH | 131.25B | 83.75A |
| 2775 | ---- | 131.75B | 107.00A | ---- | 132.80+ | 1560 | .592 | ---- | ---- | 3 | | UNCH | 133.50B | 85.50A |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2780 | ---- | 134.25B | 109.00A | ---- | 135.20+ | 1580 | .601 | ---- | ---- | 86 | UNCH | 135.75B | 87.00A |
| 2800 | ---- | 144.00B | 117.50A | ---- | 145.10+ | 1650 | .638 | ---- | 6 | 85 + | 6 | 145.75B | 94.25A |
| 2850 | ---- | 172.75B | 142.50A | ---- | 174.00+ | 1860 | .732 | ---- | ---- | 2 | UNCH | 174.00B | 115.25A |
| 2890 | ---- | 200.00B | 166.75A | ---- | 201.30+ | 2000 | .803 | ---- | ---- | 1 | UNCH | 200.75B | 135.75A |
| 2900 | ---- | 207.50B | 173.25A | ---- | 208.80+ | 2040 | .820 | ---- | ---- | 1 | UNCH | 208.00B | 141.50A |
| 2920 | ---- | 223.25B | 187.50A | ---- | 224.40+ | 2120 | .851 | ---- | ---- | 1 | UNCH | 223.25B | 154.00A |
| 2925 | ---- | 227.25B | 191.25A | ---- | 228.40+ | 2140 | .858 | ---- | ---- | 2 | UNCH | 227.25B | 157.25A |
| 2930 | ---- | 231.00B | 195.00A | ---- | 232.50+ | 2150 | .865 | ---- | ---- | 1 | UNCH | 231.25B | 160.50A |
| 2980 | ---- | 272.00B | 236.50A | ---- | 275.70+ | 2250 | .922 | ---- | ---- | 50 | UNCH | 273.00B | 196.50A |
| 3200 | ---- | ---- | ---- | ---- | 488.30+ | 2360 | .990 | ---- | ---- | 1 | UNCH | ---- | 423.00A |
| TOTAL | | | | | | | | | 34 | 3700 + | 32 | | |

ADDITIONAL E-MINI S&P PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW3 MINI S&P P | | | | | | | | | | | | | |
| JUL18 | EOW3 MINI S&P P | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 94 | UNCH | .20 | .20 |
| 1025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | .50B | .20 |
| 1050 | ---- | ---- | ---- | ---- | .05+ | 0.05 | ---- | ---- | ---- | 40 | UNCH | .55B | .30A |
| 1100 | ---- | ---- | ---- | ---- | .05+ | 0.05 | .000 | ---- | ---- | 40 | UNCH | .70B | .05 |
| 1125 | ---- | ---- | ---- | ---- | .05+ | 0.05 | .000 | ---- | ---- | 279 | UNCH | .95B | .10A |
| 1150 | ---- | ---- | ---- | ---- | .05+ | 0.05 | .000 | ---- | ---- | 21 | UNCH | 1.05B | .10 |
| 1175 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 120 | UNCH | 1.15B | .10A |
| 1200 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 40 | UNCH | 1.30B | .05 |
| 1225 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 295 | UNCH | 1.40B | .05 |
| 1250 | .05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 40 | 588 + | 40 | 1.55B | .05 |
| 1275 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 380 | UNCH | 1.70B | .05 |
| 1300 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 548 | UNCH | 1.85B | .10A |
| 1325 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 1 | UNCH | 2.05B | .10 |
| 1350 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 750 | UNCH | 2.25B | .10A |
| 1375 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 467 | UNCH | 2.45B | .10 |
| 1400 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 784 | UNCH | 2.65B | .15A |
| 1425 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 372 | UNCH | 2.90B | .15 |
| 1450 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 229 | UNCH | 3.15B | .15 |
| 1475 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | 490 | 940 + | 90 | 3.45B | .15 |
| 1500 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .000 | ---- | ---- | 2098 | UNCH | 3.75B | .10 |
| 1525 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .000 | ---- | ---- | 667 | UNCH | 4.05B | .15 |
| 1550 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 286 | UNCH | 4.40B | .10A |
| 1575 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 903 | UNCH | 4.80B | .10A |
| 1600 | ---- | ---- | ---- | ---- | .20+ | 0.05 | .001 | ---- | ---- | 693 | UNCH | 5.00B | .15 |
| 1625 | ---- | ---- | ---- | ---- | .20+ | 0.05 | .001 | ---- | 490 | 676 - | 270 | 5.50B | .15 |
| 1650 | ---- | ---- | ---- | ---- | .20+ | 0.05 | .001 | ---- | ---- | 612 | UNCH | 6.00B | .15 |
| 1660 | ---- | ---- | ---- | ---- | .20+ | 0.05 | .001 | ---- | ---- | 437 | UNCH | 6.25B | .15 |
| 1670 | ---- | ---- | .15A | ---- | .20 | UNCH | .001 | ---- | ---- | 198 | UNCH | 6.50B | .15 |
| 1675 | ---- | ---- | .15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 95 | UNCH | 6.50B | .15A |
| 1680 | ---- | ---- | .15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 292 | UNCH | 6.50B | .15A |
| 1690 | ---- | ---- | .15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 63 | UNCH | 6.75B | .10 |
| 1700 | ---- | ---- | .15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 1439 | UNCH | 7.00B | .15 |
| 1710 | ---- | ---- | .15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 212 | UNCH | 7.25B | .15A |
| 1720 | ---- | ---- | *.15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 202 | UNCH | 7.50B | .15A |
| 1725 | ---- | ---- | *.15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 203 | UNCH | 7.50B | .15A |
| 1730 | ---- | .25B | *.15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 35 | UNCH | 7.75B | .15A |
| 1740 | ---- | .25B | ---- | ---- | .30+ | 0.10 | .001 | ---- | ---- | 150 | UNCH | 8.00B | .20A |
| 1750 | ---- | .25B | ---- | ---- | .30+ | 0.10 | .001 | ---- | ---- | 841 | UNCH | 8.25B | .20A |
| 1760 | .20 | .25B | .20 | ---- | .30+ | 0.05 | .001 | ---- | 500 | 671 + | 500 | 8.50B | .20A |
| 1770 | ---- | ---- | .20A | ---- | .30+ | 0.05 | .001 | ---- | ---- | 254 | UNCH | 8.75B | .20A |
| 1775 | ---- | ---- | .20A | ---- | .30+ | 0.05 | .001 | ---- | ---- | 53 | UNCH | 9.00B | .20A |
| 1780 | .25 | .30B | .20A | ---- | .30+ | 0.05 | .001 | ---- | 80 | 353 | UNCH | 9.00B | .20A |
| 1790 | ---- | .30B | .20A | ---- | .35+ | 0.10 | .002 | ---- | ---- | 189 | UNCH | 9.25B | .20A |
| 1800 | ---- | .30B | .20A | ---- | .35+ | 0.10 | .002 | ---- | ---- | 1059 | UNCH | 9.75B | .20A |
| 1810 | ---- | .30B | ---- | ---- | .35+ | 0.10 | .002 | ---- | ---- | 671 | UNCH | 10.00B | .20A |
| 1820 | ---- | .35B | ---- | ---- | .35+ | 0.10 | .002 | ---- | ---- | 201 | UNCH | 10.25B | .20A |
| 1825 | ---- | .35B | ---- | ---- | .35+ | 0.10 | .002 | ---- | ---- | 559 | UNCH | 10.50B | .20 |
| 1830 | ---- | .35B | ---- | ---- | .35+ | 0.10 | .002 | ---- | ---- | 173 | UNCH | 10.50B | .20 |
| 1840 | ---- | .35B | .25A | ---- | .40+ | 0.10 | .002 | ---- | ---- | 845 | UNCH | 11.00B | .20A |
| 1850 | ---- | .35B | .25A | ---- | .40+ | 0.10 | .002 | ---- | ---- | 600 | UNCH | 11.25B | .20 |
| 1860 | ---- | .40B | .25A | ---- | .40+ | 0.10 | .002 | ---- | ---- | 853 | UNCH | 11.50B | .25A |
| 1870 | ---- | .40B | .25A | ---- | .40+ | 0.10 | .002 | ---- | ---- | 401 | UNCH | 12.00B | .25A |
| 1875 | ---- | .40B | .25A | ---- | .40+ | 0.10 | .002 | ---- | ---- | 418 | UNCH | 12.00B | .25A |
| 1880 | ---- | .40B | .30A | ---- | .45+ | 0.10 | .003 | ---- | ---- | 416 | UNCH | 12.25B | .25 |
| 1890 | ---- | .40B | .30A | ---- | .45+ | 0.10 | .003 | ---- | ---- | 1158 | UNCH | 12.75B | .25A |
| 1900 | .50 | .50 | .30A | ---- | .45+ | 0.10 | .003 | ---- | 11 | 627 - | 2 | 13.00B | .25A |
| 1910 | ---- | .45B | .30A | ---- | .50+ | 0.10 | .003 | ---- | ---- | 664 | UNCH | 13.50B | .30A |
| 1920 | ---- | .45B | .30A | ---- | .50+ | 0.10 | .003 | ---- | ---- | 1238 | UNCH | 13.75B | .30A |
| 1925 | ---- | .45B | .30A | ---- | .50+ | 0.10 | .003 | ---- | 1 | 864 | UNCH | 14.00B | .30 |
| 1930 | .55 | .55 | .30A | ---- | .50+ | 0.10 | .003 | ---- | 200 | 910 + | 39 | 14.25B | .30 |
| 1940 | .55 | .55 | .35A | ---- | .55+ | 0.15 | .004 | ---- | 200 | 463 + | 200 | 14.75B | .30 |
| 1950 | .55 | .55 | .35A | ---- | .55+ | 0.10 | .004 | ---- | 200 | 1242 + | 106 | 15.25B | .30A |
| 1960 | .55 | .65 | .35A | ---- | .55+ | 0.10 | .004 | ---- | 202 | 342 + | 168 | 15.50B | .30A |
| 1970 | .55 | .55 | .35A | ---- | .60+ | 0.15 | .004 | ---- | 309 | 678 + | 202 | 16.00B | .30A |
| 1975 | .50 | .55B | .35A | ---- | .60+ | 0.15 | .004 | ---- | 3 | 550 | UNCH | 16.25B | .35 |
| 1980 | ---- | .55B | .40A | ---- | .60+ | 0.10 | .004 | ---- | 154 | 397 | UNCH | 16.50B | .35A |
| 1990 | ---- | .60B | .40A | ---- | .60+ | 0.10 | .004 | ---- | ---- | 225 | UNCH | 17.00B | .35 |
| 2000 | .45 | .60B | .40A | ---- | .65+ | 0.15 | .005 | ---- | 5 | 1588 - | 372 | 17.50B | .35 |
| 2010 | .45 | .65B | .40A | ---- | .65+ | 0.10 | .005 | ---- | 1 | 875 | UNCH | 18.00B | .35A |
| 2020 | .50 | .65 | .45A | ---- | .70+ | 0.15 | .005 | ---- | 10 | 433 - | 10 | 18.50B | .35A |
| 2025 | .50 | .65B | .40 | ---- | .70+ | 0.15 | .005 | ---- | 66 | 402 | UNCH | 18.75B | .40A |
| 2030 | .50 | .70B | .45 | ---- | .70+ | 0.15 | .005 | ---- | 133 | 1352 - | 107 | 19.00B | .40 |
| 2040 | ---- | .70B | .45A | ---- | .75+ | 0.15 | .006 | ---- | ---- | 924 | UNCH | 19.75B | .40 |
| 2050 | .45 | .75B | .40 | ---- | .75+ | 0.15 | .006 | ---- | 42 | 4844 - | 31 | 20.25B | .40A |
| 2060 | .55 | .75B | .50A | ---- | .80+ | 0.15 | .006 | ---- | 1 | 1073 - | 1 | 20.75B | .40A |
| 2070 | .60 | .80B | .50A | ---- | .85+ | 0.20 | .007 | ---- | 110 | 584 + | 100 | 21.50B | .45 |
| 2075 | .60 | .80 | .50A | ---- | .85+ | 0.20 | .007 | ---- | 7 | 1375 - | 7 | 21.75B | .45 |
| 2080 | .60 | .80B | .55A | ---- | .85+ | 0.15 | .007 | ---- | 43 | 817 - | 3 | 22.00B | .45 |
| 2090 | .60 | .85 | .55A | ---- | .90+ | 0.20 | .007 | ---- | 24 | 1080 - | 2 | 22.75B | .45A |
| 2100 | .65 | .90 | .55A | ---- | .95+ | 0.20 | .008 | ---- | 3 | 3067 - | 286 | 23.25B | .50 |
| 2110 | ---- | .90B | .60A | ---- | .95+ | 0.20 | .008 | ---- | ---- | 760 | UNCH | 24.00B | .50A |
| 2120 | .75 | .95 | .60A | ---- | 1.00+ | 0.20 | .008 | ---- | 401 | 1116 - | 77 | 24.75B | .50A |
| 2125 | .75 | .95B | .60A | ---- | 1.05+ | 0.25 | .009 | ---- | 62 | 1337 - | 62 | 25.00B | .55 |
| 2130 | .60 | 1.00B | .60 | ---- | 1.05+ | 0.25 | .009 | ---- | 360 | 1164 + | 2 | 25.50B | .55A |
| 2140 | 1.00 | 1.00 | .65A | ---- | 1.10+ | 0.25 | .009 | ---- | 400 | 1076 + | 176 | 26.25B | .60 |
| 2150 | .70 | 1.05B | .65 | ---- | 1.15+ | 0.30 | .010 | ---- | 24 | 4262 - | 5 | 27.00B | .60 |
| 2160 | ---- | 1.10B | .70A | ---- | 1.20+ | 0.30 | .010 | ---- | 154 | 2487 | UNCH | 27.75B | .60 |
| 2170 | .85 | 1.15 | .75A | ---- | 1.25+ | 0.30 | .011 | ---- | 261 | 869 - | 48 | 28.50B | .65A |
| 2175 | .70 | 1.20B | .70 | ---- | 1.25+ | 0.30 | .011 | ---- | 7 | 3955 | UNCH | 29.00B | .65A |
| 2180 | .95 | 1.25 | .75A | ---- | 1.25+ | 0.30 | .011 | ---- | 12 | 1201 | UNCH | 29.25B | .65 |
| 2190 | 1.00 | 1.25 | .80A | ---- | 1.30+ | 0.30 | .012 | ---- | 7 | 2422 | UNCH | 30.25B | .70 |
| 2200 | .85 | 1.30 | .80A | ---- | 1.40+ | 0.35 | .013 | ---- | 746 | 5469 + | 32 | 31.00B | .70 |
| 2210 | 1.20 | 1.35B | .85A | ---- | 1.45+ | 0.35 | .013 | ---- | 35 | 1040 - | 34 | 32.00B | .75 |
| 2220 | 1.25 | 1.45B | .90A | ---- | 1.50+ | 0.35 | .014 | ---- | 37 | 1243 | UNCH | 33.00B | .75A |
| 2225 | .95 | 1.45B | .85 | ---- | 1.50+ | 0.35 | .014 | ---- | 825 | 1370 + | 29 | 33.75B | .80 |
| 2230 | 1.30 | 1.50B | .90A | ---- | 1.55+ | 0.35 | .014 | ---- | 2 | 644 + | 1 | 34.25B | .80A |
| 2240 | 1.45 | 1.65 | .95 | ---- | 1.60+ | 0.35 | .015 | ---- | 7 | 1240 - | 1 | 35.75B | .80A |
| 2250 | 1.00 | 1.60 | 1.00 | ---- | 1.70+ | 0.40 | .016 | ---- | 305 | 6864 + | 162 | 37.00B | .85A |
| 2260 | 1.30 | 1.70B | 1.00A | ---- | 1.75+ | 0.40 | .017 | ---- | 57 | 1007 + | 56 | 38.25B | .90 |
| 2270 | 1.10 | 1.80 | 1.05A | ---- | 1.85+ | 0.45 | .018 | ---- | 49 | 1331 + | 46 | 39.75B | .95 |
| 2275 | 1.05 | 1.85 | 1.05 | ---- | 1.85+ | 0.40 | .018 | ---- | 88 | 1355 + | 24 | 40.50B | .95A |
| 2280 | 1.70 | 1.85B | 1.10A | ---- | 1.90+ | 0.45 | .019 | ---- | 3 | 583 - | 3 | 41.25B | .95A |
| 2290 | 1.75 | 1.95 | 1.15A | ---- | 2.00+ | 0.50 | .020 | ---- | 49 | 1297 - | 2 | 42.75B | 1.00 |
| 2300 | 1.20 | 2.30 | 1.20 | ---- | 2.10+ | 0.50 | .021 | ---- | 131 | 7427 - | 90 | 44.25B | 1.05A |
| 2305 | 1.95 | 2.10B | 1.25A | ---- | 2.15+ | 0.55 | .022 | ---- | 30 | 1028 - | 30 | 37.50B | 1.10 |
| 2310 | 2.25 | 2.25 | 1.25A | ---- | 2.20+ | 0.55 | .023 | ---- | 7 | 727 - | 7 | 46.00B | 1.10A |
| 2315 | 1.90 | 2.20B | 1.30A | ---- | 2.25+ | 0.55 | .023 | ---- | 16 | 446 + | 5 | 39.00B | 1.15A |
| 2320 | 1.85 | 2.40 | 1.30A | ---- | 2.30+ | 0.60 | .024 | ---- | 140 | 709 - | 7 | 47.75B | 1.15A |
| 2325 | ---- | 2.30B | 1.35A | ---- | 2.35+ | 0.60 | .025 | ---- | 100 | 2625 + | 100 | 48.50B | 1.20 |
| 2330 | 2.15 | 2.40B | 1.35A | ---- | 2.40+ | 0.60 | .025 | ---- | 74 | 902 - | 49 | 49.50B | 1.20A |
| 2335 | 2.15 | 2.45B | 1.40A | ---- | 2.45+ | 0.60 | .026 | ---- | 200 | 1222 + | 99 | 50.25B | 1.25A |
| 2340 | 2.15 | 2.55B | 1.45A | ---- | 2.55+ | 0.65 | .027 | ---- | 67 | 700 - | 13 | 51.25B | 1.25 |
| 2345 | 2.20 | 2.60B | 1.45A | ---- | 2.60+ | 0.65 | .028 | ---- | 4 | 1884 - | 1 | 52.25B | 1.30A |
| 2350 | 2.10 | 2.65 | 1.50 | ---- | 2.65+ | 0.65 | .028 | ---- | 131 | 4330 - | 107 | 53.25B | 1.30A |
| 2355 | 2.30 | 2.75B | 1.55 | ---- | 2.75+ | 0.70 | .030 | ---- | 31 | 1704 - | 22 | 54.25B | 1.35 |
| 2360 | 2.25 | 2.80B | 1.55 | ---- | 2.80+ | 0.70 | .030 | ---- | 59 | 874 + | 5 | 55.25B | 1.40 |
| 2365 | 2.35 | 2.90B | 1.60 | ---- | 2.90+ | 0.75 | .032 | ---- | 18 | 1384 | UNCH | 56.00B | 1.40A |
| 2370 | 1.70 | 3.10 | 1.65A | ---- | 2.95+ | 0.75 | .032 | ---- | 535 | 1925 + | 153 | 57.25B | 1.45A |
| 2375 | 1.90 | 3.10 | 1.70A | ---- | 3.05+ | 0.80 | .034 | ---- | 299 | 2632 - | 37 | 58.25B | 1.45A |
| 2380 | 1.95 | 3.15B | 1.70A | ---- | 3.15+ | 0.85 | .035 | ---- | 13 | 1339 - | 1 | 59.25B | 1.50A |
| 2385 | 2.20 | 3.40 | 1.75 | ---- | 3.20+ | 0.85 | .036 | ---- | 128 | 758 + | 41 | 60.25B | 1.55A |
| 2390 | 2.70 | 3.35B | 1.80A | ---- | 3.30+ | 0.90 | .037 | ---- | 16 | 556 - | 4 | 61.25B | 1.60A |
| 2395 | 2.45 | 3.45B | 1.85A | ---- | 3.40+ | 0.95 | .038 | ---- | 5 | 881 | UNCH | 62.50B | 1.60A |
| 2400 | 3.05 | 3.65 | 1.90A | ---- | 3.50+ | 1.00 | .040 | ---- | 663 | 2774 - | 431 | 63.50B | 1.65A |
| 2405 | 2.45 | 3.65B | 1.95A | ---- | 3.60+ | 1.05 | .041 | ---- | 7 | 389 - | 3 | 64.75B | 1.70A |
| 2410 | 2.60 | 3.80B | 2.00A | ---- | 3.70+ | 1.05 | .042 | ---- | 8 | 741 - | 6 | 66.00B | 1.75 |

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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2415 | 2.35 | 3.90B | 2.05A | ---- | 3.80+ | 1.10 | .044 | ---- | 28 | 685 | UNCH | 67.00B | 1.80A |
| 2420 | ---- | 4.00B | 2.10A | ---- | 3.95+ | 1.15 | .046 | ---- | ---- | 766 | UNCH | 68.25B | 1.80A |
| 2425 | 4.05 | 4.15B | 2.15A | ---- | 4.05+ | 1.20 | .047 | ---- | 8 | 2850 - | 7 | 69.50B | 1.85A |
| 2430 | 2.95 | 4.25B | 2.20A | ---- | 4.15+ | 1.20 | .049 | ---- | 30 | 703 + | 30 | 70.75B | 1.90A |
| 2435 | 3.15 | 4.40B | 2.25A | ---- | 4.30+ | 1.25 | .051 | ---- | 55 | 1142 - | 51 | 72.00B | 1.95 |
| 2440 | 3.20 | 4.55B | 2.30A | ---- | 4.45+ | 1.35 | .052 | ---- | 353 | 1018 - | 102 | 73.25B | 2.00A |
| 2445 | 4.30 | 4.70B | 2.40A | ---- | 4.60+ | 1.40 | .054 | ---- | 1 | 1496 + | 1 | 74.50B | 2.05A |
| 2450 | 3.90 | 4.85B | 2.45A | ---- | 4.75+ | 1.45 | .057 | ---- | 770 | 6258 + | 178 | 76.00B | 2.10A |
| 2455 | 2.55 | 5.00B | 2.50A | ---- | 4.90+ | 1.50 | .059 | ---- | 68 | 1885 - | 1 | 77.25B | 2.15A |
| 2460 | 2.65 | 5.00B | 2.60A | ---- | 5.10+ | 1.55 | .061 | ---- | 69 | 1333 - | 42 | 78.75B | 2.25A |
| 2465 | 3.80 | 5.25B | 2.65A | ---- | 5.30+ | 1.65 | .064 | ---- | 264 | 1021 + | 238 | 80.00B | 2.30A |
| 2470 | 3.20 | 5.25B | 2.75A | ---- | 5.40+ | 1.65 | .066 | ---- | 79 | 1166 - | 4 | 81.50B | 2.35A |
| 2475 | 4.00 | 5.75 | 2.85A | ---- | 5.60+ | 1.70 | .068 | ---- | 911 | 3003 + | 441 | 83.00B | 2.40A |
| 2480 | 4.00 | 5.75 | 2.90A | ---- | 5.80+ | 1.80 | .071 | ---- | 86 | 2088 | UNCH | 84.50B | 2.50A |
| 2485 | 3.10 | 6.25 | 3.00A | ---- | 6.00+ | 1.85 | .074 | ---- | 17 | 1088 + | 7 | 86.00B | 2.55A |
| 2490 | 3.70 | 6.25B | 3.10A | ---- | 6.20+ | 1.90 | .076 | ---- | 58 | 1742 - | 19 | 87.50B | 2.60 |
| 2495 | 4.00 | 7.00 | 3.20A | ---- | 6.40+ | 1.95 | .079 | ---- | 152 | 1513 + | 100 | 89.00B | 2.70 |
| 2500 | 5.00 | 6.75 | 3.30A | ---- | 6.70+ | 2.10 | .083 | ---- | 897 | 12474 - | 39 | 90.50B | 2.75A |
| 2505 | 5.75 | 7.00B | 3.40A | ---- | 6.90+ | 2.15 | .086 | ---- | 43 | 1495 - | 6 | 92.25B | 2.85 |
| 2510 | 3.75 | 7.25 | 3.50A | ---- | 7.10+ | 2.15 | .089 | ---- | 342 | 2214 - | 51 | 94.00B | 2.90A |
| 2515 | 6.00 | 7.75 | 3.65A | ---- | 7.40+ | 2.30 | .093 | ---- | 306 | 7864 - | 25 | 95.50B | 3.00A |
| 2520 | 4.45 | 7.75B | 3.75A | ---- | 7.70+ | 2.40 | .097 | ---- | 192 | 9991 - | 77 | 97.25B | 3.05A |
| 2525 | 5.25 | 8.00B | 3.85A | ---- | 7.90+ | 2.40 | .101 | ---- | 172 | 3540 - | 118 | 99.00B | 3.15A |
| 2530 | 7.75 | 8.50 | 4.00A | ---- | 8.20+ | 2.50 | .105 | ---- | 855 | 3948 + | 249 | 100.75B | 3.20 |
| 2535 | 5.75 | 9.25 | 4.15A | ---- | 8.60+ | 2.70 | .110 | ---- | 209 | 7935 - | 72 | 102.50B | 3.35A |
| 2540 | 4.45 | 9.00B | 4.30A | ---- | 8.90+ | 2.70 | .114 | ---- | 248 | 5695 - | 16 | 104.25B | 3.40A |
| 2545 | 4.80 | 9.25B | 4.45A | ---- | 9.30+ | 2.90 | .120 | ---- | 262 | 1426 - | 92 | 106.00B | 3.55A |
| 2550 | 9.00 | 10.00 | 4.65 | ---- | 9.60+ | 3.00 | .124 | ---- | 1845 | 6686 - | 42 | 108.00B | 3.60A |
| 2555 | 5.00 | 10.00B | 4.80A | ---- | 10.10+ | 3.20 | .130 | ---- | 103 | 1836 - | 69 | 109.75B | 3.70A |
| 2560 | 9.00 | 10.75 | 5.00A | ---- | 10.50+ | 3.30 | .136 | ---- | 276 | 7805 - | 9 | 111.75B | 3.85 |
| 2565 | 8.75 | 11.00B | 5.25A | ---- | 10.90+ | 3.50 | .142 | ---- | 233 | 10066 + | 5 | 113.75B | 3.95A |
| 2570 | 5.75 | 11.50B | 5.50 | ---- | 11.40+ | 3.70 | .148 | ---- | 260 | 4688 - | 85 | 115.75B | 4.10A |
| 2575 | 6.25 | 12.00B | 5.75A | ---- | 11.90+ | 3.90 | .155 | ---- | 1547 | 4738 - | 168 | 117.50B | 4.15A |
| 2580 | 6.50 | 12.50B | 6.00A | ---- | 12.40+ | 4.10 | .162 | ---- | 144 | 4992 + | 39 | 119.75B | 4.25A |
| 2585 | 8.75 | 13.00B | 6.25A | ---- | 13.00+ | 4.30 | .170 | ---- | 221 | 3693 - | 1 | 121.75B | 4.40A |
| 2590 | 9.50 | 13.50B | 6.50 | ---- | 13.50+ | 4.50 | .177 | ---- | 362 | 2847 - | 29 | 124.00B | 4.55A |
| 2595 | 8.50 | 14.50 | 6.75A | ---- | 14.10+ | 4.70 | .185 | ---- | 882 | 1193 - | 41 | 126.00B | 4.70A |
| 2600 | 12.00 | 14.75 | 7.00A | ---- | 14.80+ | 5.00 | .194 | ---- | 2135 | 6672 - | 631 | 128.00B | 4.85A |
| 2605 | 10.75 | 15.25B | 7.25 | ---- | 15.40+ | 5.20 | .202 | ---- | 453 | 1221 + | 138 | 130.25B | 5.00A |
| 2610 | 11.25 | 16.00B | 7.75 | ---- | 16.10+ | 5.40 | .212 | ---- | 325 | 1612 + | 119 | 132.50B | 5.25A |
| 2615 | 14.00 | 17.25 | 8.00 | ---- | 16.80+ | 5.60 | .221 | ---- | 495 | 2251 + | 168 | 135.00B | 5.50A |
| 2620 | 15.50 | 17.50 | 8.25A | ---- | 17.60+ | 5.90 | .231 | ---- | 710 | 2047 - | 90 | 137.25B | 5.75A |
| 2625 | 18.00 | 19.00 | 8.50 | ---- | 18.40+ | 6.10 | .242 | ---- | 1381 | 4079 + | 449 | 139.75B | 5.75A |
| 2630 | 16.75 | 20.00 | 9.25 | ---- | 19.20+ | 6.30 | .253 | ---- | 1209 | 1920 - | 744 | 142.00B | 6.00A |
| 2635 | 16.00 | 20.00B | 9.50A | ---- | 20.20+ | 6.60 | .265 | ---- | 609 | 1975 + | 281 | 144.50B | 6.25 |
| 2640 | 19.00 | 21.75 | 10.00A | ---- | 21.10+ | 6.90 | .277 | ---- | 1215 | 3163 + | 542 | 147.00B | 6.50A |
| 2645 | 10.50 | 22.00B | 10.50 | ---- | 22.10+ | 7.10 | .290 | ---- | 202 | 2592 + | 120 | 149.50B | 6.75A |
| 2650 | 17.25 | 24.50 | 11.00A | ---- | 23.20+ | 7.50 | .304 | ---- | 2601 | 5984 - | 366 | 152.25B | 7.00A |
| 2655 | 20.75 | 25.00 | 11.75A | ---- | 24.30+ | 7.80 | .317 | ---- | 384 | 2332 - | 48 | 154.75B | 7.25A |
| 2660 | 17.75 | 25.25B | 12.25A | ---- | 25.50+ | 8.20 | .332 | ---- | 741 | 2779 - | 41 | 157.50B | 7.75A |
| 2665 | 23.75 | 27.50 | 13.00A | ---- | 26.80+ | 8.60 | .348 | ---- | 448 | 2578 - | 45 | 160.50B | 8.00A |
| 2670 | 24.00 | 29.00 | 13.50A | ---- | 28.10+ | 9.00 | .363 | ---- | 961 | 3192 + | 375 | 163.00B | 8.25A |
| 2675 | 24.00 | 29.25B | 14.25A | ---- | 29.50+ | 9.40 | .380 | ---- | 2491 | 3687 + | 236 | 166.25B | 8.75A |
| 2680 | 25.75 | 31.50 | 15.00A | ---- | 30.90+ | 9.80 | .397 | ---- | 2457 | 4138 + | 778 | 168.75B | 9.25A |
| 2685 | 28.50 | 32.25 | 15.75A | ---- | 32.40+ | 10.20 | .415 | ---- | 349 | 1782 + | 1 | 171.75B | 9.50A |
| 2690 | 27.00 | 34.50 | 16.75A | ---- | 34.00+ | 10.70 | .433 | ---- | 469 | 2815 + | 30 | 175.00B | 10.00A |
| 2695 | 28.00 | 35.50 | 17.50 | ---- | 35.70+ | 11.20 | .452 | ---- | 465 | 2370 - | 31 | 177.75B | 10.50 |
| 2700 | 27.00 | 38.50 | 18.50A | ---- | 37.40+ | 11.70 | .472 | ---- | 3473 | 8168 - | 695 | 181.00B | 11.00A |
| 2705 | 31.00 | 40.00 | 19.50 | ---- | 39.20+ | 12.10 | .493 | ---- | 622 | 2943 - | 135 | 184.25B | 11.50A |
| 2710 | 33.75 | 42.00 | 20.75A | ---- | 41.20+ | 12.70 | .514 | ---- | 1149 | 6109 - | 328 | 187.50B | 12.25A |
| 2715 | 31.00 | 43.00B | 21.75 | ---- | 43.20+ | 13.20 | .536 | ---- | 449 | 3289 + | 2 | 190.75B | 12.75A |
| 2720 | 31.00 | 46.50 | 23.00 | ---- | 45.40+ | 13.80 | .558 | ---- | 1384 | 4174 + | 684 | 194.00B | 13.50A |
| 2725 | 35.00 | 47.50B | 24.50A | ---- | 47.70+ | 14.30 | .581 | ---- | 967 | 3915 + | 10 | 197.50B | 14.25A |
| 2730 | 47.50 | 49.75B | 25.75A | ---- | 50.10+ | 14.90 | .605 | ---- | 662 | 1937 - | 58 | 200.75B | 15.00A |
| 2735 | 36.50 | 52.50B | 27.25A | ---- | 52.70+ | 15.60 | .628 | ---- | 130 | 4857 + | 25 | 204.25B | 15.75A |
| 2740 | 32.75 | 55.50 | 29.00A | ---- | 55.40+ | 16.20 | .652 | ---- | 679 | 2475 - | 125 | 207.75B | 16.75A |
| 2745 | 32.25 | 57.75B | 30.75A | ---- | 58.20+ | 16.90 | .676 | ---- | 193 | 1548 - | 52 | 211.50B | 17.75A |
| 2750 | 43.25 | 60.75B | 32.50A | ---- | 61.20+ | 17.50 | .700 | ---- | 247 | 4095 - | 179 | 215.00B | 18.75A |
| 2755 | 40.25 | 64.00B | 34.50A | ---- | 64.30+ | 18.10 | .724 | ---- | 26 | 1510 - | 23 | 218.75B | 19.75A |
| 2760 | 46.25 | 67.25B | 36.75A | ---- | 67.50+ | 18.60 | .748 | ---- | 25 | 1245 - | 2 | 222.50B | 21.00A |
| 2765 | 60.25 | 70.50B | 39.00A | ---- | 70.80+ | 19.00 | .771 | ---- | 40 | 2521 - | 20 | 226.25B | 22.25A |
| 2770 | 53.75 | 74.00B | 41.50A | ---- | 74.40+ | 19.50 | .792 | ---- | 120 | 1505 - | 10 | 230.50B | 23.75A |
| 2775 | 49.50 | 77.75B | 44.00A | ---- | 78.10+ | 20.10 | .814 | ---- | 12 | 1945 - | 2 | 232.75B | 25.25A |
| 2780 | 48.00 | 81.50B | 47.00A | ---- | 82.00+ | 20.60 | .833 | ---- | 22 | 1080 | UNCH | 232.00B | 27.00A |
| 2785 | 74.75 | 85.50B | 50.00A | ---- | 86.00+ | 21.10 | .852 | ---- | 2 | 1560 - | 1 | 234.00B | 28.50A |
| 2790 | 82.75 | 88.75B | 53.00A | ---- | 90.00+ | 21.40 | .871 | ---- | 1 | 2180 | UNCH | 230.75B | 30.25A |
| 2795 | 65.50 | 93.00B | 56.50A | ---- | 94.20+ | 21.80 | .887 | ---- | 4 | 329 - | 1 | 227.25B | 32.25A |
| 2800 | 84.25 | 97.25B | 60.00A | ---- | 98.40+ | 22.00 | .903 | ---- | 125 | 904 + | 125 | 220.75B | 34.50A |
| 2805 | 71.00 | 101.75B | 63.75A | ---- | 102.90+ | 22.40 | .916 | ---- | 90 | 112 + | 85 | 224.50B | 36.75A |
| 2810 | 71.25 | 106.25B | 67.50A | ---- | 107.40+ | 22.60 | .928 | ---- | 2 | 316 | UNCH | 227.50B | 39.25A |
| 2815 | ---- | 110.75B | 72.75A | ---- | 112.00+ | 22.80 | .938 | ---- | 93 | 16 - | 89 | 227.75B | 41.75A |
| 2820 | ---- | 115.50B | 77.00A | ---- | 116.60+ | 22.90 | .948 | ---- | ---- | 59 | UNCH | 223.50B | 44.50A |
| 2825 | ---- | 120.00B | 81.25A | ---- | 121.30+ | 23.00 | .956 | ---- | ---- | 875 | UNCH | 226.50B | 47.25A |
| 2830 | ---- | 125.00B | 86.75A | ---- | 126.10+ | 23.10 | .962 | ---- | ---- | 241 | UNCH | 231.00B | 50.50A |
| 2835 | ---- | 129.75B | 91.50A | ---- | 130.90+ | 23.20 | .968 | ---- | ---- | 20 | UNCH | 235.75B | 53.50A |
| 2840 | ---- | 134.50B | 96.00A | ---- | 135.70+ | 23.20 | .972 | ---- | ---- | 108 | UNCH | 240.50B | 57.00A |
| 2845 | ---- | 139.25B | 100.75A | ---- | 140.60+ | 23.30 | .976 | ---- | ---- | 12 | UNCH | 245.25B | 60.50A |
| 2850 | 144.00 | 144.00 | 107.00A | ---- | 145.50+ | 23.30 | .979 | ---- | 2 | 153 - | 2 | 250.00B | 64.00A |
| 2855 | ---- | 146.75B | 113.50A | ---- | 150.40+ | 23.30 | .982 | ---- | ---- | 22 | UNCH | 235.00B | 68.00A |
| 2860 | ---- | 151.75B | 118.25A | ---- | 155.30+ | 23.30 | .984 | ---- | ---- | 261 | UNCH | 239.25B | 71.75A |
| 2865 | ---- | 156.75B | ---- | ---- | 160.30+ | 23.40 | .986 | ---- | ---- | 9 | UNCH | 244.00B | 76.00A |
| 2870 | ---- | 161.75B | ---- | ---- | 165.20+ | 23.40 | .987 | ---- | ---- | 10 | UNCH | 248.75B | 80.00A |
| 2875 | ---- | 166.50B | ---- | ---- | 170.20+ | 23.40 | .989 | ---- | ---- | 40 | UNCH | 253.50B | 85.00A |
| 2880 | ---- | 171.50B | ---- | ---- | 175.10+ | 23.40 | .991 | ---- | ---- | 20 | UNCH | 258.25B | 89.25A |
| 2900 | ---- | 191.50B | ---- | ---- | 195.00+ | 23.40 | .993 | ---- | ---- | 125 | UNCH | 277.50B | 107.50A |
| 2910 | ---- | 201.50B | ---- | ---- | 205.00+ | 23.50 | .994 | ---- | ---- | 1 | UNCH | 287.00B | 119.25A |
| 2920 | ---- | 209.50B | ---- | ---- | 215.00+ | 23.50 | .995 | ---- | ---- | 3 | UNCH | 296.75B | 128.75A |
| 3000 | ---- | ---- | ---- | ---- | 294.65+ | 23.45 | .999 | ---- | ---- | 94 | UNCH | 373.50B | 211.50A |
| TOTAL | | | | | | | | | 52865 | 388489 + | 817 | | |
| AUG18 | EOW3 MINI S&P P | (FUTURES SETT. .00) | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 232 | UNCH | .25B | .10A |
| 1200 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .000 | ---- | ---- | 1 | UNCH | .55B | .05 |
| 1225 | ---- | ---- | ---- | ---- | .15 | UNCH | .000 | ---- | ---- | 100 | UNCH | .65B | .15 |
| 1275 | ---- | ---- | ---- | ---- | .20+ | 0.05 | .000 | ---- | 2 | 102 + | 2 | .75B | .15A |
| 1300 | ---- | ---- | .15A | ---- | .20 | UNCH | .000 | ---- | ---- | 1 | UNCH | .80B | .15A |
| 1325 | ---- | ---- | .15A | ---- | .25+ | 0.05 | .001 | ---- | ---- | 2 | UNCH | .85B | .15A |
| 1350 | ---- | ---- | ---- | ---- | .25+ | 0.05 | .001 | ---- | ---- | 3 | UNCH | .90B | .20A |
| 1375 | .25 | .25 | .20A | ---- | .30+ | 0.05 | .001 | ---- | 100 | 120 + | 100 | 1.00B | .20A |
| 1400 | ---- | ---- | ---- | ---- | .30+ | 0.05 | .001 | ---- | ---- | 237 | UNCH | 1.05B | .20A |
| 1425 | ---- | ---- | .25A | ---- | .35+ | 0.05 | .001 | ---- | ---- | 252 | UNCH | 1.15B | .25A |
| 1450 | ---- | ---- | .25A | ---- | .40+ | 0.10 | .001 | ---- | ---- | 683 | UNCH | 1.25B | .25A |
| 1475 | ---- | ---- | .30A | ---- | .40+ | 0.05 | .001 | ---- | ---- | 400 | UNCH | 1.35B | .30A |
| 1500 | ---- | .40B | .30A | ---- | .45+ | 0.10 | .002 | ---- | ---- | 439 | UNCH | 1.45B | .30A |
| 1525 | ---- | .45B | .35A | ---- | .50+ | 0.10 | .002 | ---- | ---- | 2117 | UNCH | 1.60B | .35A |
| 1550 | ---- | .45B | ---- | ---- | .55+ | 0.15 | .002 | ---- | ---- | 315 | UNCH | 1.70B | .35 |
| 1575 | .40 | .50B | .40 | ---- | .60+ | 0.15 | .003 | ---- | 200 | 1299 + | 100 | 1.85B | .35A |
| 1600 | .50 | .55B | .45A | ---- | .60+ | 0.10 | .003 | ---- | 14 | 661 + | 14 | 2.00B | .40A |
| 1625 | ---- | .60B | .50A | ---- | .70+ | 0.15 | .003 | ---- | ---- | 669 | UNCH | 2.20B | .40A |
| 1650 | ---- | .65B | .50A | ---- | .75+ | 0.15 | .004 | ---- | 2 | 775 | UNCH | 2.40B | .45A |
| 1660 | ---- | .70B | .55A | ---- | .75+ | 0.15 | .004 | ---- | ---- | 9 | UNCH | 2.45B | .45A |
| 1670 | ---- | .70B | .55A | ---- | .80+ | 0.15 | .004 | ---- | ---- | 3 | UNCH | 2.55B | .45A |
| 1675 | ---- | .70B | .55A | ---- | .80+ | 0.15 | .004 | ---- | ---- | 3 | UNCH | 2.60B | .50A |
| 1680 | ---- | .75B | .55A | ---- | .80+ | 0.15 | .004 | ---- | ---- | 1 | UNCH | 2.65B | .50A |
| 1690 | ---- | .75B | .60A | ---- | .80+ | 0.10 | .004 | ---- | ---- | 18 | UNCH | 2.70B | .50A |
| 1700 | ---- | .80B | .60A | ---- | .85+ | 0.15 | .004 | ---- | ---- | 32 | UNCH | 2.80B | .50A |
| 1710 | ---- | .80B | .60A | ---- | .85+ | 0.10 | .004 | ---- | ---- | 3 | UNCH | 2.90B | .50A |
| 1720 | .95 | .95 | .65A | ---- | .90+ | 0.15 | .005 | ---- | 4 | 9 + | 4 | 3.00B | .55A |
| 1725 | ---- | .85B | .65A | ---- | .90+ | 0.15 | .005 | ---- | ---- | 155 | UNCH | 3.05B | .55A |
| 1730 | 1.00 | 1.00 | .65A | ---- | .95+ | 0.15 | .005 | ---- | 1 | 7 + | 1 | 3.10B | .55A |
| 1740 | 1.00 | 1.00 | .70A | ---- | .95+ | 0.15 | .005 | ---- | 1 | 135 + | 1 | 3.20B | .55A |
| 1750 | 1.00 | 1.00 | .70A | ---- | 1.00+ | 0.15 | .005 | ---- | 1 | 133 + | 1 | 3.35B | .60A |
| 1760 | 1.00 | 1.00 | .70A | ---- | 1.00+ | 0.15 | .005 | ---- | 1 | 322 + | 1 | 3.45B | .60A |
| 1770 | 1.00 | 1.00 | .75A | ---- | 1.05+ | 0.15 | .006 | ---- | 1 | 1538 + | 1 | 3.55B | .60A |
| 1775 | 1.00 | 1.00 | .75A | ---- | 1.05+ | 0.15 | .006 | ---- | 2 | 12 + | 2 | 3.65B | .65A |
| 1780 | 1.00 | 1.10 | .75A | ---- | 1.05+ | 0.15 | .006 | ---- | 7 | 159 + | 1 | 3.70B | .65A |
| 1790 | 1.00 | 1.05B | .80A | ---- | 1.10+ | 0.15 | .006 | ---- | 1 | 6 | UNCH | 3.85B | .65A |
| 1800 | 1.00 | 1.15 | .80A | ---- | 1.15+ | 0.20 | .006 | ---- | 3 | 153 + | 2 | 3.95B | .65A |
| 1810 | 1.00 | 1.20 | .85A | ---- | 1.15+ | 0.15 | .006 | ---- | 3 | 5 + | 3 | 4.10B | .70A |
| 1820 | 1.00 | 1.25 | .85A | ---- | 1.20+ | 0.20 | .007 | ---- | 20 | 778 + | 1 | 4.25B | .70 |
| 1825 | 1.00 | 1.15B | .85A | ---- | 1.20+ | 0.20 | .007 | ---- | 1 | 123 | UNCH | 4.35B | .70A |
| 1830 | 1.00 | 1.30 | .90A | ---- | 1.25+ | 0.20 | .007 | ---- | 2 | 102 + | 2 | 4.40B | .75A |
| 1840 | 1.00 | 1.20B | .90A | ---- | 1.30+ | 0.25 | .007 | ---- | 1 | 134 | UNCH | 4.60B | .75 |
| 1850 | 1.00 | 1.25B | .95A | ---- | 1.30+ | 0.20 | .007 | ---- | 1 | 941 | UNCH | 4.75B | .75A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1860 | 1.05 | 1.30B | .95A | ---- | 1.35+ | 0.25 | .008 | ---- | 1 | 40 + | 1 | 4.90B | .80A |
| 1870 | 1.05 | 1.35B | 1.00A | ---- | 1.40+ | 0.25 | .008 | ---- | 1 | 7 + | 1 | 5.00B | .80A |
| 1875 | 1.10 | 1.35 | 1.00A | ---- | 1.40+ | 0.25 | .008 | ---- | 2 | 55 | UNCH | 5.00B | .80A |
| 1880 | 1.10 | 1.60 | 1.05A | ---- | 1.45+ | 0.25 | .008 | ---- | 23 | 98 - | 22 | 5.25B | .85A |
| 1890 | 1.15 | 1.40B | 1.05A | ---- | 1.50+ | 0.25 | .009 | ---- | 1 | 37 | UNCH | 5.50B | .85A |
| 1900 | 1.20 | 1.65 | 1.10A | ---- | 1.55+ | 0.30 | .009 | ---- | 154 | 616 + | 2 | 5.50B | .90A |
| 1910 | 1.15 | 1.70 | 1.10A | ---- | 1.60+ | 0.30 | .009 | ---- | 2 | 114 + | 1 | 5.75B | .90A |
| 1920 | ---- | 1.55B | 1.15A | ---- | 1.65+ | 0.30 | .010 | ---- | ---- | 174 | UNCH | 6.00B | .95A |
| 1925 | ---- | 1.60B | 1.15A | ---- | 1.70+ | 0.30 | .010 | ---- | ---- | 174 | UNCH | 6.25B | .95A |
| 1930 | ---- | 1.60B | 1.20A | ---- | 1.70+ | 0.30 | .010 | ---- | ---- | 350 | UNCH | 6.25B | .95A |
| 1940 | ---- | 1.65B | 1.20A | ---- | 1.75+ | 0.30 | .011 | ---- | ---- | 112 | UNCH | 6.50B | 1.00A |
| 1950 | 1.25 | 1.75B | 1.25 | ---- | 1.80+ | 0.30 | .011 | ---- | 3 | 132 | UNCH | 6.75B | .95 |
| 1960 | ---- | 1.80B | 1.30A | ---- | 1.85+ | 0.35 | .011 | ---- | ---- | 241 | UNCH | 7.00B | 1.05A |
| 1970 | 1.85 | 1.85 | 1.35A | ---- | 1.95+ | 0.40 | .012 | ---- | 108 | 371 | UNCH | 7.25B | 1.05 |
| 1975 | 1.80 | 1.85B | 1.35A | ---- | 1.95+ | 0.35 | .012 | ---- | 2 | 977 | UNCH | 7.50B | 1.10A |
| 1980 | ---- | 1.90B | 1.40A | ---- | 2.00+ | 0.40 | .013 | ---- | ---- | 347 | UNCH | 7.50B | 1.10 |
| 1990 | ---- | 1.95B | 1.40A | ---- | 2.05+ | 0.40 | .013 | ---- | 3 | 322 | UNCH | 7.75B | 1.10 |
| 2000 | 1.50 | 2.05 | 1.45A | ---- | 2.10+ | 0.40 | .013 | ---- | 389 | 1081 + | 325 | 8.25B | 1.15 |
| 2010 | ---- | 2.10B | 1.50A | ---- | 2.15+ | 0.40 | .014 | ---- | ---- | 53 | UNCH | 8.50B | 1.20 |
| 2020 | ---- | 2.15B | 1.55A | ---- | 2.25+ | 0.45 | .015 | ---- | ---- | 266 | UNCH | 8.75B | 1.20 |
| 2025 | ---- | 2.20B | 1.60A | ---- | 2.30+ | 0.45 | .015 | ---- | ---- | 636 | UNCH | 9.00B | 1.25 |
| 2030 | 2.30 | 2.30 | 1.60A | ---- | 2.30+ | 0.45 | .015 | ---- | 2 | 145 | UNCH | 9.25B | 1.25 |
| 2040 | ---- | 2.35B | 1.65A | ---- | 2.40+ | 0.50 | .016 | ---- | ---- | 638 | UNCH | 9.50B | 1.30A |
| 2050 | ---- | 2.40B | 1.70A | ---- | 2.45+ | 0.45 | .016 | ---- | 406 | 1306 + | 370 | 10.00B | 1.30A |
| 2060 | ---- | 2.50B | 1.75A | ---- | 2.55+ | 0.50 | .017 | ---- | ---- | 358 | UNCH | 10.25B | 1.35A |
| 2070 | ---- | 2.55B | 1.85A | ---- | 2.65+ | 0.50 | .018 | ---- | ---- | 549 | UNCH | 10.75B | 1.40A |
| 2075 | ---- | 2.60B | 1.85A | ---- | 2.70+ | 0.55 | .018 | ---- | ---- | 610 | UNCH | 11.00B | 1.40A |
| 2080 | ---- | 2.65B | 1.90A | ---- | 2.75+ | 0.55 | .019 | ---- | ---- | 116 | UNCH | 11.25B | 1.45A |
| 2090 | 2.75 | 2.75 | 1.95A | ---- | 2.85+ | 0.55 | .019 | ---- | 1 | 136 + | 1 | 11.75B | 1.50A |
| 2100 | 2.30 | 2.85B | 2.00 | ---- | 2.95+ | 0.60 | .020 | ---- | 20 | 1622 - | 937 | 12.00B | 1.55A |
| 2110 | ---- | 2.95B | 2.05A | ---- | 3.05+ | 0.60 | .021 | ---- | ---- | 911 | UNCH | 12.50B | 1.60A |
| 2120 | ---- | 3.10B | 2.15A | ---- | 3.15+ | 0.65 | .022 | ---- | ---- | 548 | UNCH | 13.00B | 1.65A |
| 2125 | ---- | 3.15B | 2.15A | ---- | 3.20+ | 0.65 | .022 | ---- | ---- | 758 | UNCH | 13.50B | 1.65A |
| 2130 | ---- | 3.20B | 2.20A | ---- | 3.30+ | 0.70 | .023 | ---- | ---- | 283 | UNCH | 13.75B | 1.70A |
| 2140 | 3.05 | 3.30B | 2.30A | ---- | 3.40+ | 0.70 | .024 | ---- | 1 | 137 + | 1 | 14.25B | 1.75A |
| 2150 | 2.35 | 3.45 | 2.35 | ---- | 3.55+ | 0.75 | .025 | ---- | 121 | 6485 + | 20 | 14.75B | 1.80 |
| 2160 | ---- | 3.60B | 2.45A | ---- | 3.65+ | 0.75 | .026 | ---- | ---- | 941 | UNCH | 15.25B | 1.85A |
| 2170 | 3.85 | 3.90 | 2.50A | ---- | 3.80+ | 0.80 | .027 | ---- | 7 | 253 + | 3 | 16.00B | 1.90A |
| 2175 | 4.05 | 4.05 | 2.55A | ---- | 3.85+ | 0.80 | .028 | ---- | 4 | 730 + | 4 | 16.25B | 1.95A |
| 2180 | 4.05 | 4.05 | 2.60A | ---- | 3.90+ | 0.80 | .028 | ---- | 4 | 642 + | 4 | 16.75B | 1.95A |
| 2190 | 3.10 | 4.25 | 2.70A | ---- | 4.05+ | 0.85 | .030 | ---- | 52 | 353 - | 1 | 17.25B | 2.05 |
| 2200 | 3.35 | 4.40 | 2.80A | ---- | 4.15+ | 0.80 | .031 | ---- | 4770 | 10179 + | 4103 | 18.00B | 2.10A |
| 2210 | 3.25 | 4.35 | 2.90A | ---- | 4.30+ | 0.85 | .032 | ---- | 11 | 1102 + | 5 | 18.75B | 2.15A |
| 2220 | 3.30 | 4.75 | 3.00A | ---- | 4.45+ | 0.85 | .034 | ---- | 23 | 992 - | 2 | 19.50B | 2.25A |
| 2225 | 3.50 | 4.60B | 3.05A | ---- | 4.55+ | 0.90 | .034 | ---- | 350 | 906 + | 120 | 20.00B | 2.30A |
| 2230 | 5.00 | 5.00 | 3.10A | ---- | 4.65+ | 0.90 | .035 | ---- | 2 | 528 + | 2 | 20.25B | 2.30A |
| 2240 | 4.75 | 4.90B | 3.20A | ---- | 4.90+ | 1.00 | .037 | ---- | 107 | 705 - | 93 | 21.00B | 2.40A |
| 2250 | 3.45 | 5.00 | 3.30A | ---- | 5.10+ | 1.05 | .039 | ---- | 514 | 2673 + | 240 | 22.00B | 2.50A |
| 2260 | ---- | 5.25B | 3.45A | ---- | 5.30+ | 1.10 | .041 | ---- | 60 | 719 + | 35 | 22.75B | 2.55A |
| 2270 | 4.05 | 5.75 | 3.60A | ---- | 5.50+ | 1.15 | .043 | ---- | 35 | 1097 + | 24 | 23.75B | 2.65 |
| 2275 | 3.75 | 5.50 | 3.65A | ---- | 5.50+ | 1.05 | .043 | ---- | 524 | 2821 + | 224 | 24.25B | 2.70A |
| 2280 | 3.80 | 5.75 | 3.70A | ---- | 5.60+ | 1.10 | .044 | ---- | 195 | 1367 + | 42 | 24.50B | 2.75A |
| 2290 | 4.00 | 6.00 | 3.85A | ---- | 5.90+ | 1.20 | .047 | ---- | 83 | 1464 + | 53 | 25.50B | 2.85 |
| 2300 | 4.90 | 6.50 | 4.00A | ---- | 6.10+ | 1.25 | .049 | ---- | 3566 | 6320 + | 2290 | 26.50B | 3.00 |
| 2305 | 5.75 | 6.50B | 4.10A | ---- | 6.30+ | 1.35 | .050 | ---- | 115 | 1658 - | 97 | 27.00B | 3.05 |
| 2310 | 4.25 | 6.50B | 4.20A | ---- | 6.50+ | 1.40 | .052 | ---- | 138 | 508 - | 14 | 27.50B | 3.10A |
| 2315 | 4.25 | 6.75B | 4.25 | ---- | 6.70+ | 1.50 | .053 | ---- | 194 | 677 + | 131 | 28.25B | 3.15A |
| 2320 | ---- | 6.75B | 4.35A | ---- | 6.90+ | 1.60 | .055 | ---- | 17 | 648 + | 17 | 28.75B | 3.25A |
| 2325 | 6.00 | 7.00B | 4.45A | ---- | 7.10+ | 1.70 | .057 | ---- | 1012 | 1845 - | 344 | 29.25B | 3.30A |
| 2330 | ---- | 7.25B | 4.55A | ---- | 7.30+ | 1.80 | .058 | ---- | 139 | 272 - | 84 | 29.75B | 3.35A |
| 2335 | 4.80 | 7.25B | 4.65A | ---- | 7.40+ | 1.70 | .060 | ---- | 6 | 748 + | 5 | 30.50B | 3.40A |
| 2340 | ---- | 7.50B | 4.75A | ---- | 7.60+ | 1.80 | .061 | ---- | 151 | 673 - | 51 | 31.00B | 3.50A |
| 2345 | 7.75 | 7.75 | 4.85A | ---- | 7.70+ | 1.70 | .062 | ---- | 298 | 513 + | 80 | 31.75B | 3.55A |
| 2350 | 8.00 | 8.00 | 4.95A | ---- | 7.90+ | 1.80 | .064 | ---- | 143 | 7517 + | 114 | 32.25B | 3.65A |
| 2355 | 7.25 | 8.25 | 5.25A | ---- | 8.00+ | 1.70 | .065 | ---- | 16 | 1452 + | 2 | 33.00B | 3.70A |
| 2360 | ---- | 8.25B | 5.25A | ---- | 8.20+ | 1.80 | .067 | ---- | 8 | 1424 + | 3 | 33.50B | 3.80A |
| 2365 | ---- | 8.50B | 5.25A | ---- | 8.40+ | 1.80 | .069 | ---- | ---- | 536 | UNCH | 34.25B | 3.85A |
| 2370 | 7.25 | 8.75B | 5.50A | ---- | 8.60+ | 1.90 | .071 | ---- | 59 | 478 + | 36 | 35.00B | 3.95A |
| 2375 | 6.75 | 8.75 | 5.50A | ---- | 8.80+ | 2.00 | .073 | ---- | 48 | 4008 - | 239 | 35.50B | 4.00A |
| 2380 | 8.25 | 9.00B | 5.75A | ---- | 9.00+ | 2.00 | .074 | ---- | 160 | 849 + | 160 | 36.25B | 4.10A |
| 2385 | 8.25 | 9.25B | 5.75A | ---- | 9.30+ | 2.20 | .077 | ---- | 36 | 734 + | 35 | 37.00B | 4.20A |
| 2390 | 8.00 | 9.50 | 6.00A | ---- | 9.50+ | 2.20 | .079 | ---- | 78 | 819 + | 71 | 37.75B | 4.30A |
| 2395 | 9.00 | 9.75B | 6.00A | ---- | 9.80+ | 2.30 | .081 | ---- | 52 | 761 + | 51 | 38.50B | 4.35A |
| 2400 | 6.25 | 10.25 | 6.25 | ---- | 10.00+ | 2.30 | .083 | ---- | 497 | 9265 + | 43 | 39.25B | 4.45 |
| 2405 | 7.75 | 10.25B | 6.50A | ---- | 10.30+ | 2.40 | .086 | ---- | 36 | 472 + | 32 | 40.00B | 4.55A |
| 2410 | 8.50 | 10.50B | 6.50A | ---- | 10.50+ | 2.40 | .088 | ---- | 13 | 847 + | 1 | 40.75B | 4.60A |
| 2415 | 7.00 | 10.75B | 6.75A | ---- | 10.80+ | 2.50 | .091 | ---- | 101 | 3364 | UNCH | 41.50B | 4.70A |
| 2420 | 7.50 | 11.00B | 6.75A | ---- | 11.00+ | 2.50 | .093 | ---- | 31 | 405 - | 29 | 42.50B | 4.80A |
| 2425 | 11.25 | 11.25 | 7.00A | ---- | 11.20+ | 2.50 | .095 | ---- | 4 | 2154 - | 1 | 43.25B | 4.90 |
| 2430 | 11.00 | 11.50 | 7.25A | ---- | 11.50+ | 2.60 | .097 | ---- | 531 | 386 + | 206 | 44.00B | 5.00A |
| 2435 | 8.50 | 11.75B | 7.25A | ---- | 11.70+ | 2.60 | .100 | ---- | 14 | 53 + | 14 | 45.00B | 5.25A |
| 2440 | 11.25 | 12.25B | 7.50A | ---- | 12.00+ | 2.70 | .103 | ---- | 170 | 529 + | 168 | 45.75B | 5.25A |
| 2445 | 8.00 | 12.50B | 7.75A | ---- | 12.30+ | 2.80 | .105 | ---- | 1 | 806 + | 1 | 46.75B | 5.50A |
| 2450 | 10.00 | 12.75B | 8.00 | ---- | 12.60+ | 2.90 | .108 | ---- | 538 | 2623 - | 37 | 47.75B | 5.50A |
| 2455 | 11.25 | 13.25 | 8.00A | ---- | 12.90+ | 2.90 | .111 | ---- | 58 | 604 + | 2 | 48.50B | 5.75A |
| 2460 | 12.25 | 13.50B | 8.25A | ---- | 13.30+ | 3.10 | .115 | ---- | 366 | 678 - | 194 | 49.50B | 5.75A |
| 2465 | 8.75 | 13.75B | 8.50A | ---- | 13.60+ | 3.10 | .118 | ---- | 3 | 500 - | 1 | 50.50B | 6.00A |
| 2470 | 13.25 | 14.25B | 8.75A | ---- | 14.00+ | 3.20 | .121 | ---- | 71 | 750 + | 7 | 51.50B | 6.00A |
| 2475 | 13.25 | 14.50B | 9.00A | ---- | 14.40+ | 3.30 | .125 | ---- | 14 | 1231 - | 2 | 52.50B | 6.25A |
| 2480 | 10.50 | 15.00B | 9.25 | ---- | 14.80+ | 3.40 | .128 | ---- | 61 | 1414 + | 31 | 53.50B | 6.50A |
| 2485 | 15.50 | 15.50 | 9.50A | ---- | 15.20+ | 3.50 | .132 | ---- | 37 | 446 + | 19 | 54.75B | 6.50A |
| 2490 | 12.00 | 15.75B | 9.50A | ---- | 15.60+ | 3.60 | .136 | ---- | 1 | 1358 + | 1 | 55.75B | 6.75A |
| 2495 | 12.00 | 16.00B | 9.75A | ---- | 16.00+ | 3.70 | .140 | ---- | 53 | 347 + | 1 | 57.00B | 6.75A |
| 2500 | 14.25 | 16.75 | 10.00A | ---- | 16.40+ | 3.80 | .144 | ---- | 1110 | 5461 - | 300 | 58.00B | 7.00 |
| 2505 | 10.75 | 17.00B | 10.50A | ---- | 16.90+ | 3.90 | .148 | ---- | 37 | 608 + | 21 | 59.25B | 7.25A |
| 2510 | 11.00 | 17.50B | 10.75A | ---- | 17.30+ | 4.00 | .152 | ---- | 24 | 937 + | 2 | 60.50B | 7.50A |
| 2515 | 13.50 | 18.50 | 10.75 | ---- | 17.80+ | 4.10 | .157 | ---- | 186 | 410 - | 32 | 61.75B | 7.50A |
| 2520 | 17.25 | 18.50B | 11.25A | ---- | 18.30+ | 4.30 | .161 | ---- | 19 | 1009 + | 1 | 63.00B | 7.75A |
| 2525 | 14.25 | 19.00B | 11.50A | ---- | 18.80+ | 4.40 | .166 | ---- | 80 | 2810 + | 6 | 64.25B | 8.00A |
| 2530 | 12.25 | 19.25B | 11.75A | ---- | 19.30+ | 4.50 | .171 | ---- | 18 | 439 + | 18 | 65.50B | 8.25A |
| 2535 | 15.00 | 20.00B | 12.00A | ---- | 19.80+ | 4.60 | .176 | ---- | 128 | 541 + | 61 | 66.75B | 8.50A |
| 2540 | 18.75 | 20.50B | 12.50A | ---- | 20.40+ | 4.70 | .181 | ---- | 6 | 425 - | 6 | 68.25B | 8.50A |
| 2545 | 14.50 | 22.00 | 12.75A | ---- | 20.90+ | 4.80 | .186 | ---- | 69 | 317 - | 10 | 69.50B | 8.75A |
| 2550 | 16.25 | 21.75B | 13.25A | ---- | 21.50+ | 5.00 | .192 | ---- | 111 | 8147 - | 28 | 71.00B | 9.00A |
| 2555 | 15.25 | 22.25B | 13.50A | ---- | 22.10+ | 5.10 | .197 | ---- | 8 | 2138 + | 8 | 72.75B | 9.25A |
| 2560 | 17.50 | 22.75 | 14.00A | ---- | 22.80+ | 5.30 | .204 | ---- | 50 | 348 - | 1 | 74.25B | 9.50A |
| 2565 | 15.00 | 23.50B | 14.25A | ---- | 23.40+ | 5.50 | .210 | ---- | 72 | 464 + | 72 | 76.00B | 9.75A |
| 2570 | 21.00 | 24.00B | 14.75A | ---- | 24.10+ | 5.70 | .216 | ---- | 28 | 1785 + | 25 | 77.50B | 10.00A |
| 2575 | 21.50 | 25.00 | 15.00A | ---- | 24.80+ | 5.80 | .222 | ---- | 213 | 4982 - | 170 | 79.25B | 10.25A |
| 2580 | 24.25 | 25.50B | 15.50A | ---- | 25.50+ | 6.00 | .229 | ---- | 72 | 744 + | 19 | 81.00B | 10.75A |
| 2585 | 19.75 | 26.25B | 16.00A | ---- | 26.30+ | 6.20 | .236 | ---- | 170 | 435 + | 10 | 82.75B | 11.00 |
| 2590 | 21.00 | 27.25 | 16.50A | ---- | 27.10+ | 6.50 | .244 | ---- | 109 | 1320 + | 48 | 84.75B | 11.25A |
| 2595 | 22.75 | 27.75B | 17.00A | ---- | 27.90+ | 6.60 | .251 | ---- | 53 | 3313 + | 25 | 86.50B | 11.50A |
| 2600 | 27.25 | 29.75 | 17.50A | ---- | 28.70+ | 6.80 | .259 | ---- | 476 | 3956 - | 1678 | 88.50B | 12.00 |
| 2605 | 22.50 | 29.50B | 18.00 | ---- | 29.60+ | 7.00 | .267 | ---- | 180 | 9785 + | 4 | 90.50B | 12.25A |
| 2610 | 22.50 | 31.50 | 18.50A | ---- | 30.50+ | 7.20 | .275 | ---- | 313 | 829 + | 130 | 92.75B | 12.50A |
| 2615 | 23.00 | 32.25 | 19.00A | ---- | 31.40+ | 7.40 | .283 | ---- | 154 | 253 - | 80 | 94.75B | 13.00A |
| 2620 | 24.00 | 33.25 | 19.75A | ---- | 32.40+ | 7.70 | .292 | ---- | 195 | 512 + | 8 | 96.75B | 13.25A |
| 2625 | 32.50 | 33.25B | 20.25A | ---- | 33.40+ | 7.90 | .301 | ---- | 4108 | 2317 + | 491 | 98.75B | 13.75A |
| 2630 | 31.00 | 34.25 | 21.00A | ---- | 34.40+ | 8.10 | .310 | ---- | 430 | 842 + | 184 | 101.00B | 14.25A |
| 2635 | 26.25 | 35.50B | 21.75A | ---- | 35.50+ | 8.30 | .320 | ---- | 239 | 885 + | 3 | 103.25B | 14.75A |
| 2640 | 35.00 | 36.50B | 22.25A | ---- | 36.60+ | 8.60 | .330 | ---- | 196 | 599 + | 26 | 105.50B | 15.00A |
| 2645 | 28.00 | 37.75B | 23.00A | ---- | 37.80+ | 8.90 | .340 | ---- | 109 | 1001 - | 25 | 107.75B | 15.50A |
| 2650 | 25.00 | 38.75B | 23.75A | ---- | 39.00+ | 9.20 | .351 | ---- | 242 | 2570 + | 67 | 110.25B | 16.00A |
| 2655 | 31.00 | 40.00B | 24.50A | ---- | 40.30+ | 9.50 | .362 | ---- | 319 | 1284 + | 171 | 112.75B | 16.50A |
| 2660 | 31.75 | 41.50B | 25.50A | ---- | 41.60+ | 9.80 | .373 | ---- | 58 | 1026 + | 57 | 115.25B | 17.00A |
| 2665 | 36.00 | 42.75B | 26.25A | ---- | 42.90+ | 10.00 | .384 | ---- | 246 | 1374 + | 56 | 118.00B | 17.75A |
| 2670 | 37.75 | 44.25B | 27.25A | ---- | 44.30+ | 10.30 | .396 | ---- | 212 | 1376 + | 132 | 120.50B | 18.25A |
| 2675 | 39.00 | 45.50B | 28.25A | ---- | 45.70+ | 10.60 | .409 | ---- | 139 | 4080 | UNCH | 123.25B | 19.00A |
| 2680 | 35.50 | 47.00B | 29.00A | ---- | 47.20+ | 10.80 | .421 | ---- | 80 | 995 + | 39 | 126.00B | 19.50A |
| 2685 | 39.75 | 49.00 | 30.25A | ---- | 48.80+ | 11.20 | .434 | ---- | 74 | 1338 - | 20 | 128.75B | 20.25A |
| 2690 | 42.25 | 50.25 | 31.25A | ---- | 50.40+ | 11.40 | .447 | ---- | 66 | 1153 + | 55 | 131.75B | 21.00A |
| 2695 | 42.50 | 52.00B | 32.25A | ---- | 52.00+ | 11.60 | .461 | ---- | 126 | 812 + | 81 | 134.50B | 21.75A |
| 2700 | 46.00 | 53.75B | 33.50A | ---- | 53.70+ | 11.90 | .475 | ---- | 2344 | 4825 + | 831 | 137.75B | 22.50A |
| 2705 | 50.00 | 55.75 | 34.75A | ---- | 55.50+ | 12.30 | .490 | ---- | 264 | 803 + | 179 | 140.75B | 23.25A |
| 2710 | 38.00 | 58.50 | 36.00A | ---- | 57.40+ | 12.60 | .504 | ---- | 414 | 1229 + | 5 | 143.75B | 24.00A |
| 2715 | 47.00 | 59.50 | 37.25A | ---- | 59.40+ | 13.10 | .520 | ---- | 85 | 1075 - | 9 | 147.00B | 25.00A |
| 2720 | 55.00 | 61.00 | 38.75A | ---- | 61.40+ | 13.50 | .535 | ---- | 54 | 1131 + | 44 | 150.25B | 26.00A |
| 2725 | 51.25 | 63.50 | 40.00A | ---- | 63.50+ | 13.90 | .551 | ---- | 3145 | 3176 + | 560 | 153.75B | 27.00A |
| 2730 | 52.50 | 66.50 | 41.75A | ---- | 65.70+ | 14.40 | .567 | ---- | 54 | 821 + | 16 | 157.00B | 28.00A |
| 2735 | 47.50 | 67.50B | 43.25A | ---- | 68.00+ | 14.80 | .583 | ---- | 114 | 475 + | 6 | 160.50B | 29.00A |
| 2740 | 46.50 | 69.75B | 45.00A | ---- | 70.30+ | 15.10 | .600 | ---- | 84 | 817 + | 1 | 164.00B | 30.25A |
| 2745 | 55.50 | 72.25B | 46.50A | ---- | 72.80+ | 15.50 | .617 | ---- | 26 | 1523 + | 12 | 164.50B | 31.25A |
| 2750 | 60.00 | 74.75B | 48.50A | ---- | 75.30+ | 15.90 | .634 | ---- | 393 | 3729 + | 207 | 168.25B | 32.50A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2755 | 69.50 | 77.50B | 50.25A | ---- | 77.90+ | 16.20 | .651 | ---- | 34 | 804 - | 1 | 172.00B | 34.00A |
| 2760 | ---- | 80.25B | 52.25A | ---- | 80.60+ | 16.60 | .669 | ---- | 23 | 802 - | 6 | 175.75B | 35.25A |
| 2765 | ---- | 83.00B | 54.50A | ---- | 83.50+ | 17.10 | .686 | ---- | 45 | 848 + | 4 | 179.50B | 36.75A |
| 2770 | ---- | 86.00B | 56.75A | ---- | 86.40+ | 17.50 | .703 | ---- | 21 | 290 | UNCH | 183.50B | 38.25A |
| 2775 | ---- | 89.25B | 59.00A | ---- | 89.40+ | 17.90 | .721 | ---- | 34 | 733 + | 16 | 187.50B | 39.75A |
| 2780 | ---- | 92.25B | 61.50A | ---- | 92.60+ | 18.30 | .738 | ---- | 11 | 499 + | 9 | 191.50B | 41.25A |
| 2785 | ---- | 95.50B | 64.00A | ---- | 95.90+ | 18.70 | .755 | ---- | ---- | 1529 | UNCH | 195.50B | 43.00A |
| 2790 | ---- | 99.00B | 66.50A | ---- | 99.30+ | 19.10 | .772 | ---- | 11 | 2588 - | 1 | 199.75B | 45.00A |
| 2795 | ---- | 102.50B | 69.50A | ---- | 102.90+ | 19.50 | .788 | ---- | 1 | 687 + | 1 | 203.00B | 46.75A |
| 2800 | ---- | 106.25B | 72.25A | ---- | 106.60+ | 19.90 | .803 | ---- | 20 | 578 + | 10 | 207.25B | 48.75A |
| 2805 | ---- | 109.75B | 75.25A | ---- | 110.30+ | 20.20 | .818 | ---- | 7 | 546 + | 5 | 211.50B | 51.00A |
| 2810 | ---- | 113.75B | 78.50A | ---- | 114.20+ | 20.60 | .833 | ---- | ---- | 54 | UNCH | 215.75B | 53.25A |
| 2815 | 116.25 | 117.75B | 81.75A | ---- | 118.10+ | 20.80 | .847 | ---- | 1 | 100 | UNCH | 220.25B | 55.50A |
| 2820 | 94.75 | 121.00B | 85.25A | ---- | 122.10+ | 21.00 | .861 | ---- | 5 | 55 - | 4 | 224.50B | 58.00A |
| 2825 | ---- | 125.25B | 88.75A | ---- | 126.30+ | 21.40 | .873 | ---- | ---- | 192 | UNCH | 229.00B | 60.50A |
| 2830 | 101.75 | 129.25B | 92.50A | ---- | 130.50+ | 21.60 | .885 | ---- | 1 | 11 | UNCH | 233.50B | 63.25A |
| 2835 | 97.00 | 133.50B | 96.25A | ---- | 134.80+ | 21.80 | .895 | ---- | 7 | 12 - | 1 | 238.00B | 66.00A |
| 2840 | ---- | 138.00B | 100.00A | ---- | 139.20+ | 22.00 | .905 | ---- | ---- | 28 | UNCH | 242.50B | 68.75A |
| 2845 | ---- | 141.25B | 104.25A | ---- | 143.70+ | 22.20 | .913 | ---- | ---- | 13 | UNCH | 247.00B | 71.75A |
| 2850 | ---- | 145.00B | 109.50A | ---- | 148.20+ | 22.40 | .922 | ---- | ---- | 7 | UNCH | 251.75B | 74.75A |
| 2855 | ---- | 149.25B | 114.25A | ---- | 152.80+ | 22.50 | .929 | ---- | ---- | 9 | UNCH | 255.00B | 78.00A |
| 2860 | ---- | 153.75B | 118.25A | ---- | 157.50+ | 22.70 | .936 | ---- | ---- | 4 | UNCH | 260.00B | 81.25A |
| 2865 | ---- | 158.50B | 123.00A | ---- | 162.10+ | 22.80 | .942 | ---- | ---- | 3 | UNCH | 264.25B | 84.75A |
| 2875 | ---- | 168.00B | 134.00A | ---- | 171.60+ | 23.00 | .953 | ---- | ---- | 3 | UNCH | 273.75B | 92.00A |
| 2880 | ---- | 172.75B | 138.50A | ---- | 176.40+ | 23.10 | .957 | ---- | ---- | 3 | UNCH | 278.50B | 95.75A |
| 2885 | ---- | 177.50B | 143.25A | ---- | 181.20+ | 23.10 | .961 | ---- | ---- | 26 | UNCH | 283.25B | 99.75A |
| 2890 | ---- | 182.25B | 148.00A | ---- | 186.00+ | 23.10 | .966 | ---- | ---- | 7 | UNCH | 284.75B | 103.75A |
| 2895 | ---- | 187.25B | 152.75A | ---- | 190.80+ | 23.10 | .969 | ---- | ---- | 2 | UNCH | 277.50B | 107.75A |
| 2920 | ---- | 210.25B | 178.50A | ---- | 215.20+ | 23.20 | .981 | ---- | ---- | 1 | UNCH | 274.75B | 130.25A |
| 3000 | ---- | 288.00B | ---- | ---- | 294.50+ | 23.40 | .993 | ---- | ---- | 232 | UNCH | 288.00B | 210.00A |
| TOTAL | | | | | | | | | 34908 | 226068 + | 8544 | | |
| OCT18 | EOW3 MINI S&P P | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1100 | .35 | .35 | *.35 | ---- | .30 | NEW | .001 | ---- | 1 | 1 + | 1 | .35B | .35 |
| 1275 | ---- | ---- | ---- | ---- | .55+ | 0.05 | .002 | ---- | ---- | 8 | UNCH | .75B | .40A |
| 1325 | ---- | .60B | ---- | ---- | .65+ | 0.10 | .002 | ---- | ---- | 150 | UNCH | .90B | .45 |
| 1450 | ---- | .90B | ---- | ---- | 1.00+ | 0.15 | .004 | ---- | ---- | 1 | UNCH | 1.40B | .70A |
| 1475 | ---- | 1.00B | ---- | ---- | 1.05+ | 0.15 | .004 | ---- | ---- | 11 | UNCH | 1.50B | .70 |
| 1550 | ---- | 1.30B | 1.10A | ---- | 1.35+ | 0.15 | .005 | ---- | ---- | 250 | UNCH | 1.95B | .90A |
| 1575 | ---- | 1.40B | 1.15A | ---- | 1.45+ | 0.15 | .006 | ---- | ---- | 240 | UNCH | 2.15B | .95A |
| 1625 | ---- | 1.65B | 1.35A | ---- | 1.70+ | 0.20 | .007 | ---- | ---- | 3 | UNCH | 2.55B | 1.10A |
| 1700 | 1.75 | 2.10B | 1.70A | ---- | 2.20+ | 0.30 | .010 | ---- | 240 | 624 - | 240 | 3.30B | 1.40A |
| 1725 | ---- | 2.30B | 1.85A | ---- | 2.40+ | 0.35 | .011 | ---- | ---- | 240 | UNCH | 3.55B | 1.50A |
| 1750 | ---- | 2.50B | 2.00A | ---- | 2.60+ | 0.40 | .012 | ---- | ---- | 291 | UNCH | 3.85B | 1.60A |
| 1775 | 3.00 | 3.00 | 2.15A | ---- | 2.80+ | 0.45 | .013 | ---- | 1 | 399 | UNCH | 4.20B | 1.75A |
| 1780 | 3.00 | 3.00 | 2.20A | ---- | 2.85+ | 0.45 | .013 | ---- | 1 | 157 | UNCH | 4.30B | 1.75A |
| 1790 | 3.00 | 3.00 | 2.25A | ---- | 2.95+ | 0.45 | .014 | ---- | 1 | 241 + | 1 | 4.40B | 1.80A |
| 1800 | 3.00 | 3.00 | 2.25A | ---- | 3.05+ | 0.50 | .014 | ---- | 3 | 242 + | 2 | 4.55B | 1.85A |
| 1810 | 3.00 | 3.05B | 2.40A | ---- | 3.15+ | 0.50 | .015 | ---- | 1 | 241 + | 1 | 4.75B | 1.95A |
| 1820 | 3.00 | 3.15B | 2.40A | ---- | 3.30+ | 0.60 | .016 | ---- | 1 | 240 | UNCH | 4.90B | 2.00A |
| 1825 | 3.00 | 3.25B | 2.50A | ---- | 3.35+ | 0.60 | .016 | ---- | 1 | 241 + | 1 | 4.95B | 2.00A |
| 1830 | 3.00 | 3.30B | 2.55A | ---- | 3.40+ | 0.60 | .016 | ---- | 1 | 241 + | 1 | 5.00B | 2.05A |
| 1840 | 3.00 | 3.40B | 2.65A | ---- | 3.50 | NEW | .017 | ---- | 1 | 1 + | 1 | 5.25B | 2.15A |
| 1850 | 3.00 | 3.55B | 2.65A | ---- | 3.65+ | 0.65 | .017 | ---- | 1 | 6 + | 1 | 5.25B | 2.20A |
| 1860 | 3.00 | 3.65B | 2.75A | ---- | 3.80 | NEW | .018 | ---- | 1 | 1 + | 1 | 5.50B | 2.25A |
| 1870 | 3.05 | 3.80B | 2.90A | ---- | 3.95+ | 0.75 | .019 | ---- | 1 | 13 + | 1 | 5.75B | 2.35A |
| 1875 | 3.10 | 3.85B | 2.95A | ---- | 4.00+ | 0.75 | .019 | ---- | 1 | 2 + | 1 | 5.75B | 2.40A |
| 1880 | 3.10 | 3.95B | 3.00A | ---- | 4.05 | NEW | .019 | ---- | 1 | 1 + | 1 | 6.00B | 2.40A |
| 1890 | 3.20 | 4.05B | 3.10A | ---- | 4.20 | NEW | .020 | ---- | 1 | 1 + | 1 | 6.00B | 2.50A |
| 1900 | 3.55 | 4.55 | 3.20A | ---- | 4.40+ | 0.85 | .021 | ---- | 2 | 3 | UNCH | 6.25B | 2.60A |
| 1910 | 3.40 | 4.45 | 3.25A | ---- | 4.55+ | 0.85 | .022 | ---- | 2 | 5 | UNCH | 6.50B | 2.65A |
| 1920 | ---- | 4.50B | 3.35A | ---- | 4.70+ | 0.85 | .023 | ---- | ---- | 2 | UNCH | 6.75B | 2.75A |
| 1925 | ---- | 4.60B | 3.40A | ---- | 4.80+ | 0.90 | .023 | ---- | ---- | 8 | UNCH | 6.75B | 2.80A |
| 1930 | ---- | 4.70B | 3.55A | ---- | 4.85+ | 0.90 | .024 | ---- | ---- | 2 | UNCH | 7.00B | 2.85A |
| 1950 | ---- | 5.00B | 3.80A | ---- | 5.20+ | 0.95 | .026 | ---- | 6 | 25 + | 6 | 7.50B | 3.00 |
| 1960 | ---- | 5.00B | 3.85A | ---- | 5.40+ | 1.00 | .027 | ---- | ---- | 3 | UNCH | 7.75B | 3.15A |
| 1975 | ---- | 5.50B | 4.05A | ---- | 5.60+ | 1.00 | .028 | ---- | ---- | 31 | UNCH | 8.00B | 3.30 |
| 1980 | 4.60 | 5.50B | 4.20A | ---- | 5.70+ | 1.00 | .028 | ---- | 1 | 24 + | 1 | 8.25B | 3.35A |
| 1990 | ---- | 5.75B | 4.25A | ---- | 5.90+ | 1.05 | .030 | ---- | 3 | 10 | UNCH | 8.50B | 3.45A |
| 2000 | 4.95 | 6.00B | 4.45A | ---- | 6.10+ | 1.10 | .031 | ---- | 5 | 26 + | 3 | 8.75B | 3.60A |
| 2010 | ---- | 6.25B | 4.65A | ---- | 6.30+ | 1.10 | .032 | ---- | ---- | 5 | UNCH | 9.00B | 3.70A |
| 2020 | 4.90 | 6.50B | 4.75A | ---- | 6.50+ | 1.10 | .033 | ---- | 1 | 15 + | 1 | 9.50B | 3.85A |
| 2025 | ---- | 6.50B | 4.85A | ---- | 6.60+ | 1.10 | .034 | ---- | ---- | 1 | UNCH | 9.50B | 3.90A |
| 2030 | ---- | 6.50B | 4.90A | ---- | 6.70+ | 1.10 | .034 | ---- | ---- | 995 | UNCH | 9.75B | 3.95A |
| 2040 | 5.25 | 6.75B | 5.25 | ---- | 6.90+ | 1.10 | .035 | ---- | 1 | 12 + | 1 | 10.00B | 4.10A |
| 2050 | ---- | 7.00B | 5.50A | ---- | 7.20+ | 1.20 | .037 | ---- | ---- | 529 | UNCH | 10.50B | 4.25A |
| 2060 | ---- | 7.50B | 5.50A | ---- | 7.50+ | 1.30 | .038 | ---- | ---- | 3 | UNCH | 10.75B | 4.40A |
| 2070 | ---- | 7.75B | 5.75A | ---- | 7.80+ | 1.30 | .040 | ---- | ---- | 116 | UNCH | 11.25B | 4.55A |
| 2075 | ---- | 7.75B | 6.00A | ---- | 8.00+ | 1.40 | .041 | ---- | ---- | 218 | UNCH | 11.25B | 4.60A |
| 2080 | ---- | 8.00B | 6.00A | ---- | 8.20+ | 1.40 | .042 | ---- | ---- | 500 | UNCH | 11.50B | 4.75A |
| 2090 | 6.75 | 8.25B | 6.25A | ---- | 8.50+ | 1.50 | .044 | ---- | 1 | 247 | UNCH | 12.00B | 4.90A |
| 2100 | 6.25 | 8.50B | 6.25 | ---- | 8.80+ | 1.50 | .045 | ---- | 1 | 1450 | UNCH | 12.25B | 5.00A |
| 2110 | 7.25 | 9.00B | 6.75A | ---- | 9.20+ | 1.70 | .047 | ---- | 1 | 12 | UNCH | 12.75B | 5.25A |
| 2120 | ---- | 9.25B | 7.00A | ---- | 9.50+ | 1.70 | .049 | ---- | ---- | 1 | UNCH | 13.25B | 5.50A |
| 2125 | ---- | 9.50B | 7.00A | ---- | 9.60+ | 1.70 | .050 | ---- | 150 | 1353 + | 150 | 13.25B | 5.50A |
| 2140 | ---- | 10.00B | 7.25A | ---- | 10.10+ | 1.80 | .053 | ---- | ---- | 12 | UNCH | 14.00B | 5.75A |
| 2150 | 7.75 | 10.25B | 7.50A | ---- | 10.50+ | 1.90 | .055 | ---- | 5 | 153 + | 1 | 14.50B | 6.00A |
| 2160 | 11.00 | 11.00 | 8.00A | ---- | 10.90+ | 1.90 | .057 | ---- | 30 | 31 + | 30 | 15.00B | 6.25A |
| 2170 | ---- | 11.00B | 8.25A | ---- | 11.30+ | 2.00 | .059 | ---- | ---- | 12 | UNCH | 15.50B | 6.50A |
| 2175 | ---- | 11.25B | 8.25A | ---- | 11.50+ | 2.00 | .061 | ---- | 1 | 8 | UNCH | 15.75B | 6.50A |
| 2180 | ---- | 11.50B | 8.50A | ---- | 11.70+ | 2.00 | .062 | ---- | ---- | 112 | UNCH | 16.00B | 6.50A |
| 2190 | ---- | 11.75B | 8.75A | ---- | 12.20+ | 2.20 | .064 | ---- | ---- | 299 | UNCH | 16.50B | 6.75A |
| 2200 | 10.25 | 13.00 | 9.00A | ---- | 12.60+ | 2.30 | .067 | ---- | 94 | 221 - | 91 | 17.25B | 7.00 |
| 2210 | ---- | 12.75B | 9.50A | ---- | 13.00+ | 2.30 | .069 | ---- | ---- | 20 | UNCH | 17.75B | 7.25A |
| 2220 | ---- | 13.25B | 9.75A | ---- | 13.50+ | 2.50 | .072 | ---- | ---- | 102 | UNCH | 18.25B | 7.50A |
| 2225 | ---- | 13.50B | 10.00A | ---- | 13.70+ | 2.50 | .073 | ---- | ---- | 7 | UNCH | 18.75B | 7.75A |
| 2230 | ---- | 13.75B | 10.25A | ---- | 14.00+ | 2.60 | .075 | ---- | ---- | 47 | UNCH | 19.00B | 7.75A |
| 2240 | 14.75 | 14.75 | 10.50A | ---- | 14.50+ | 2.70 | .078 | ---- | 141 | 1593 | UNCH | 19.50B | 8.25A |
| 2250 | ---- | 14.75B | 11.00A | ---- | 15.00+ | 2.80 | .081 | ---- | ---- | 296 | UNCH | 20.25B | 8.50A |
| 2260 | ---- | 15.25B | 11.25A | ---- | 15.60+ | 2.90 | .084 | ---- | ---- | 19 | UNCH | 21.00B | 8.75A |
| 2270 | ---- | 16.00B | 11.75A | ---- | 16.10+ | 2.90 | .087 | ---- | ---- | 95 | UNCH | 21.75B | 9.00A |
| 2275 | ---- | 16.25B | 12.00A | ---- | 16.40+ | 2.90 | .089 | ---- | 103 | 1652 + | 100 | 22.00B | 9.25A |
| 2280 | ---- | 16.50B | 12.25A | ---- | 16.80+ | 3.00 | .091 | ---- | ---- | 180 | UNCH | 22.50B | 9.25A |
| 2300 | ---- | 17.75B | 13.00A | ---- | 18.10+ | 3.20 | .098 | ---- | ---- | 395 | UNCH | 24.00B | 10.00A |
| 2310 | ---- | 18.50B | 13.50A | ---- | 18.80+ | 3.40 | .102 | ---- | ---- | 42 | UNCH | 24.75B | 10.50A |
| 2320 | ---- | 19.25B | 14.00A | ---- | 19.50+ | 3.50 | .106 | ---- | ---- | 504 | UNCH | 25.75B | 10.75A |
| 2325 | ---- | 19.50B | 14.25A | ---- | 19.90+ | 3.60 | .108 | ---- | ---- | 55 | UNCH | 26.00B | 11.00A |
| 2330 | ---- | 20.00B | 14.50A | ---- | 20.30+ | 3.70 | .110 | ---- | ---- | 1 | UNCH | 26.50B | 11.25A |
| 2340 | ---- | 20.75B | 15.25A | ---- | 21.10+ | 3.90 | .115 | ---- | ---- | 566 | UNCH | 27.50B | 11.50A |
| 2350 | ---- | 21.50B | 15.75A | ---- | 21.90+ | 4.00 | .120 | ---- | ---- | 270 | UNCH | 28.50B | 12.00A |
| 2370 | ---- | 23.25B | 17.00A | ---- | 23.60+ | 4.30 | .129 | ---- | ---- | 13 | UNCH | 30.50B | 13.00A |
| 2375 | ---- | 23.75B | 17.25A | ---- | 24.00+ | 4.30 | .132 | ---- | 3 | 80 + | 3 | 31.00B | 13.25A |
| 2380 | ---- | 24.25B | 17.50A | ---- | 24.50+ | 4.50 | .134 | ---- | ---- | 25 | UNCH | 31.50B | 13.50A |
| 2390 | ---- | 25.00B | 18.25A | ---- | 25.40+ | 4.60 | .140 | ---- | ---- | 67 | UNCH | 32.50B | 14.00A |
| 2400 | 24.75 | 26.00B | 19.00A | ---- | 26.40+ | 4.80 | .145 | ---- | 2 | 942 | UNCH | 33.75B | 14.50A |
| 2410 | 25.00 | 27.00B | 19.75A | ---- | 27.40+ | 4.90 | .151 | ---- | 3 | 65 + | 3 | 35.00B | 15.00A |
| 2420 | 27.00 | 28.00B | 20.50A | ---- | 28.40+ | 5.00 | .157 | ---- | 104 | 103 + | 102 | 36.25B | 15.50A |
| 2425 | ---- | 28.75B | 20.75A | ---- | 28.90+ | 5.00 | .160 | ---- | ---- | 104 | UNCH | 36.75B | 16.00A |
| 2430 | ---- | 29.25B | 21.25A | ---- | 29.50+ | 5.20 | .163 | ---- | 46 | 220 + | 46 | 37.50B | 16.25A |
| 2440 | ---- | 30.25B | 22.00A | ---- | 30.60+ | 5.30 | .170 | ---- | ---- | 57 | UNCH | 38.75B | 16.75A |
| 2450 | 23.50 | 31.50B | 23.00A | ---- | 31.80+ | 5.50 | .176 | ---- | 9 | 232 + | 9 | 40.25B | 17.50A |
| 2455 | 24.00 | #32.25B | *23.50A | ---- | 32.40 | NEW | .180 | ---- | 60 | 60 + | 60 | 32.25B | 23.50A |
| 2460 | 24.50 | 32.75B | 24.00A | ---- | 33.00+ | 5.60 | .183 | ---- | 120 | 120 + | 15 | 41.75B | 18.00A |
| 2470 | 27.00 | 34.00B | 24.75A | ---- | 34.30+ | 5.80 | .191 | ---- | 133 | 218 + | 109 | 43.25B | 18.75A |
| 2475 | ---- | 34.75B | 25.25A | ---- | 35.00+ | 5.90 | .195 | ---- | ---- | 501 | UNCH | 44.00B | 19.25A |
| 2480 | ---- | 35.50B | 25.75A | ---- | 35.60+ | 5.90 | .198 | ---- | ---- | 59 | UNCH | 44.75B | 19.50A |
| 2485 | 27.00 | 36.50 | *26.25A | ---- | 36.30 | NEW | .202 | ---- | 2 | 1 + | 1 | 38.25B | 26.25A |
| 2490 | ---- | 36.75B | 27.00A | ---- | 37.00+ | 6.20 | .206 | ---- | ---- | 53 | UNCH | 46.25B | 20.25A |
| 2500 | 37.25 | 38.25B | 28.00A | ---- | 38.50+ | 6.40 | .215 | ---- | 49 | 530 + | 40 | 48.00B | 21.25A |
| 2505 | 34.75 | 39.00B | 28.50A | ---- | 39.20+ | 6.50 | .219 | ---- | 200 | 119 + | 98 | 41.00B | 21.75A |
| 2510 | ---- | 39.75B | 29.00A | ---- | 40.00+ | 6.60 | .223 | ---- | 156 | 1894 - | 2 | 49.75B | 22.00A |
| 2515 | ---- | 40.50B | 29.75A | ---- | 40.80+ | 6.80 | .228 | ---- | ---- | 40 | UNCH | 42.75B | 22.75A |
| 2520 | 36.00 | 41.25B | 30.25A | ---- | 41.60+ | 6.90 | .232 | ---- | 1 | 387 | UNCH | 51.50B | 22.75A |
| 2525 | 32.25 | 42.25B | 31.00A | ---- | 42.40+ | 7.00 | .237 | ---- | 200 | 121 + | 19 | 52.50B | 23.25A |
| 2530 | ---- | 43.00B | 31.50A | ---- | 43.30+ | 7.20 | .242 | ---- | ---- | 174 | UNCH | 53.50B | 23.75A |
| 2535 | ---- | 43.75B | 32.25A | ---- | 44.10+ | 7.30 | .246 | ---- | ---- | 25 | UNCH | 46.00B | 24.50A |
| 2540 | ---- | 44.75B | 32.75A | ---- | 45.00+ | 7.50 | .251 | ---- | ---- | 105 | UNCH | 55.50B | 24.75A |
| 2545 | ---- | 45.50B | 33.50A | ---- | 45.90+ | 7.70 | .256 | ---- | ---- | 20 | UNCH | 47.75B | 25.50A |
| 2550 | ---- | 46.50B | 34.25A | ---- | 46.80+ | 7.80 | .261 | ---- | ---- | 1361 | UNCH | 57.50B | 25.75A |
| 2555 | 44.25 | 47.50B | 34.75A | ---- | 47.70+ | 7.90 | .266 | ---- | 1 | 41 + | 1 | 49.50B | 26.75A |
| 2560 | ---- | 48.25B | 35.50A | ---- | 48.70+ | 8.10 | .272 | ---- | ---- | 240 | UNCH | 59.50B | 26.75A |
| 2565 | 40.25 | 49.25B | 36.25A | ---- | 49.60+ | 8.20 | .277 | ---- | 20 | 40 + | 20 | 51.50B | 28.00A |
| 2570 | ---- | 50.25B | 37.00A | ---- | 50.60+ | 8.40 | .283 | ---- | ---- | 500 | UNCH | 61.75B | 28.00A |
| 2575 | ---- | 51.25B | 37.75A | ---- | 51.60+ | 8.60 | .288 | ---- | 20 | 459 + | 20 | 63.00B | 28.50A |
| 2580 | ---- | 52.25B | 38.50A | ---- | 52.70+ | 8.80 | .294 | ---- | ---- | 750 | UNCH | 64.00B | 29.00A |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2585 | ---- | 53.25B | 39.50A | ---- | 53.70+ | 8.90 | .300 | ---- | ---- | 95 | UNCH | 55.50B | 30.25A |
| 2590 | ---- | 54.50B | 40.25A | ---- | 54.80+ | 9.10 | .306 | ---- | ---- | 205 | UNCH | 66.50B | 30.25A |
| 2595 | ---- | 55.50B | 41.00A | ---- | 55.90+ | 9.20 | .312 | ---- | ---- | 63 | UNCH | 57.75B | 31.50A |
| 2600 | 47.00 | 56.50B | 42.00A | ---- | 57.00+ | 9.40 | .318 | ---- | 60 | 523 - | 18 | 69.00B | 31.50A |
| 2610 | ---- | 58.75B | 43.75A | ---- | 59.20+ | 9.60 | .330 | ---- | ---- | 60 | UNCH | 71.50B | 33.00A |
| 2615 | 49.25 | 60.00B | 44.50A | ---- | 60.40+ | 9.70 | .337 | ---- | 19 | 20 + | 19 | 62.25B | 34.25A |
| 2620 | ---- | 61.25B | 45.50A | ---- | 61.60+ | 9.80 | .344 | ---- | ---- | 107 | UNCH | 74.25B | 34.25A |
| 2625 | ---- | 62.50B | 46.50A | ---- | 62.80+ | 9.90 | .350 | ---- | 20 | 612 + | 20 | 75.75B | 35.00A |
| 2630 | ---- | 63.75B | 47.50A | ---- | 64.00+ | 9.90 | .357 | ---- | ---- | 250 | UNCH | 77.00B | 35.75A |
| 2635 | ---- | 65.00B | 48.50A | ---- | 65.30+ | 10.00 | .364 | ---- | ---- | 26 | UNCH | 67.25B | 37.25A |
| 2640 | 51.00 | 66.25B | 49.50A | ---- | 66.60+ | 10.10 | .371 | ---- | 34 | 335 + | 33 | 80.00B | 37.25A |
| 2645 | 51.00 | 67.75B | 50.50A | ---- | 67.90+ | 10.20 | .379 | ---- | 20 | 141 + | 20 | 69.75B | 39.00A |
| 2650 | 68.75 | 69.00B | 51.75A | ---- | 69.30+ | 10.40 | .386 | ---- | 8 | 381 | UNCH | 83.00B | 39.00A |
| 2660 | ---- | 72.00B | 53.75A | ---- | 72.10+ | 10.70 | .401 | ---- | ---- | 140 | UNCH | 86.25B | 40.75A |
| 2670 | ---- | 75.00B | 56.25A | ---- | 75.20+ | 11.30 | .417 | ---- | 50 | 395 | UNCH | 89.75B | 42.50A |
| 2675 | 71.75 | 76.50B | 57.50A | ---- | 76.70+ | 11.50 | .426 | ---- | 6 | 109 - | 6 | 91.50B | 43.50A |
| 2680 | ---- | 78.00B | 58.75A | ---- | 78.30+ | 11.70 | .434 | ---- | ---- | 40 | UNCH | 93.25B | 44.50A |
| 2685 | ---- | 79.50B | 60.00A | ---- | 79.90+ | 11.90 | .442 | ---- | ---- | 2 | UNCH | 81.75B | 46.50A |
| 2690 | ---- | 81.25B | 61.25A | ---- | 81.60+ | 12.10 | .451 | ---- | ---- | 20 | UNCH | 96.75B | 46.50A |
| 2695 | ---- | 83.00B | 62.50A | ---- | 83.30+ | 12.40 | .460 | ---- | ---- | 20 | UNCH | 85.00B | 48.50A |
| 2700 | ---- | 84.50B | 64.00A | ---- | 85.00+ | 12.50 | .469 | ---- | ---- | 293 | UNCH | 100.75B | 48.50A |
| 2705 | ---- | 86.50B | 65.25A | ---- | 86.80+ | 12.70 | .478 | ---- | ---- | 104 | UNCH | 88.50B | 50.75A |
| 2710 | 73.25 | 88.25B | 66.75A | ---- | 88.60+ | 12.90 | .487 | ---- | 162 | 608 + | 162 | 104.75B | 50.75A |
| 2715 | ---- | 90.00B | 68.25A | ---- | 90.50+ | 13.20 | .496 | ---- | ---- | 151 | UNCH | 106.75B | 52.00A |
| 2720 | ---- | 92.00B | 69.75A | ---- | 92.40+ | 13.40 | .506 | ---- | ---- | 250 | UNCH | 108.75B | 53.00A |
| 2725 | ---- | 93.50B | 71.25A | ---- | 94.30+ | 13.60 | .515 | ---- | ---- | 401 | UNCH | 111.00B | 54.25A |
| 2730 | 80.00 | 95.50B | 73.00A | ---- | 96.30+ | 13.90 | .525 | ---- | 75 | 143 + | 75 | 113.25B | 55.50A |
| 2735 | ---- | 97.50B | 74.50A | ---- | 98.30+ | 14.10 | .535 | ---- | ---- | 1000 | UNCH | 115.50B | 57.00A |
| 2740 | ---- | 99.50B | 76.25A | ---- | 100.40+ | 14.40 | .545 | ---- | ---- | 34 | UNCH | 117.75B | 58.25A |
| 2745 | ---- | 101.75B | 78.00A | ---- | 102.50+ | 14.60 | .555 | ---- | ---- | 189 | UNCH | 120.25B | 59.50A |
| 2750 | ---- | 104.00B | 79.75A | ---- | 104.60+ | 14.80 | .566 | ---- | 200 | 442 + | 200 | 122.50B | 61.00A |
| 2755 | ---- | 106.25B | 81.50A | ---- | 106.90+ | 15.10 | .576 | ---- | ---- | 73 | UNCH | 108.25B | 64.00A |
| 2760 | ---- | 108.50B | 83.50A | ---- | 109.10+ | 15.30 | .587 | ---- | ---- | 65 | UNCH | 127.50B | 64.00A |
| 2765 | ---- | 110.75B | 85.50A | ---- | 111.50+ | 15.60 | .597 | ---- | ---- | 6 | UNCH | 112.75B | 67.25A |
| 2770 | ---- | 113.25B | 87.50A | ---- | 113.90+ | 15.90 | .608 | ---- | 9 | 441 | UNCH | 132.75B | 67.00A |
| 2775 | ---- | 115.75B | 89.50A | ---- | 116.30+ | 16.10 | .619 | ---- | ---- | 136 | UNCH | 135.50B | 68.75A |
| 2780 | ---- | 118.25B | 91.50A | ---- | 118.80+ | 16.40 | .630 | ---- | ---- | 16 | UNCH | 138.25B | 70.25A |
| 2790 | ---- | 123.50B | 96.00A | ---- | 124.10+ | 16.90 | .652 | ---- | ---- | 125 | UNCH | 144.00B | 73.75A |
| 2795 | ---- | 126.00B | 98.25A | ---- | 126.80+ | 17.20 | .663 | ---- | ---- | 48 | UNCH | 147.00B | 75.50A |
| 2800 | ---- | 128.75B | 100.50A | ---- | 129.60+ | 17.40 | .674 | ---- | ---- | 952 | UNCH | 150.00B | 77.50A |
| 2805 | ---- | 131.75B | 103.00A | ---- | 132.50+ | 17.70 | .685 | ---- | ---- | 20 | UNCH | 133.25B | 81.75A |
| 2825 | ---- | 143.75B | 113.25A | ---- | 144.60+ | 18.70 | .730 | ---- | ---- | 5 | UNCH | 165.75B | 87.75A |
| 2850 | ---- | 160.50B | 127.50A | ---- | 161.40+ | 19.80 | .784 | ---- | ---- | 25 | UNCH | 180.50B | 99.50A |
| 2860 | ---- | 167.75B | 133.75A | ---- | 168.60+ | 20.20 | .805 | ---- | ---- | 61 | UNCH | 188.00B | 104.50A |
| 2900 | ---- | 198.25B | 162.00A | ---- | 200.20+ | 21.80 | .876 | ---- | ---- | 2 | UNCH | 218.75B | 128.00A |
| TOTAL | | | | | | | | | 2598 | 34994 + | 1025 | | |

MDW MID

| JUN18 | MDW MID | (FUTURES SETT. .00) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2010 | .05 | #.05 | *.05 | ---- | CAB | ---- | ---- | ---- | 2 | ---- | UNCH | .05 | .05 |
| 2585 | .05 | .05 | .05 | ---- | CAB | ---- | ---- | ---- | 1 | ---- | 328 | 1.55B | .05 |
| 2595 | .05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 517 | 1.65B | .05 |
| 2600 | .05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 613 | ---- | 3319 | 1.70B | .05 |
| 2605 | .05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 604 | 1.75B | .05 |
| 2610 | .05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 3 | ---- | 1675 | 1.80B | .05 |
| 2615 | .05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 2 | ---- | 949 | 1.90B | .05 |
| 2620 | .10 | .10 | *.05A | ---- | CAB | ---- | ---- | ---- | 35 | ---- | 910 | 2.00B | .05A |
| 2625 | .05 | .05 | *.05 | ---- | CAB | ---- | ---- | ---- | 342 | ---- | 974 | 2.15B | .05 |
| 2630 | .05 | .10 | .05 | ---- | CAB | ---- | ---- | ---- | 36 | ---- | 1163 | 2.50B | .05 |
| 2635 | .05 | .15B | *.05 | ---- | CAB | ---- | ---- | ---- | 5 | ---- | 1613 | 2.80B | .05 |
| 2640 | .05 | .25B | .05 | ---- | CAB | ---- | ---- | ---- | 263 | ---- | 1719 | 3.50 | .05 |
| 2645 | .20 | .30B | *.05 | ---- | CAB | ---- | ---- | ---- | 508 | ---- | 1088 | 3.65B | .05 |
| 2650 | .10 | .55 | *.05 | ---- | CAB | ---- | ---- | ---- | 938 | ---- | 3187 | 4.20 | .05 |
| 2655 | .15 | .60 | *.05 | ---- | CAB | ---- | ---- | ---- | 48 | ---- | 186 | 4.75B | .05 |
| 2660 | .20 | .85 | *.05 | ---- | CAB | ---- | ---- | ---- | 1050 | ---- | 991 | 5.75 | .05 |
| 2665 | .25 | 1.10 | *.05 | ---- | CAB | ---- | ---- | ---- | 2899 | ---- | 1658 | 6.50 | .05 |
| 2670 | .35 | 1.60 | *.05 | ---- | CAB | ---- | ---- | ---- | 2043 | ---- | 1357 | 7.75 | .05 |
| 2675 | .35 | 2.10 | *.05 | ---- | CAB | ---- | ---- | ---- | 894 | ---- | 1891 | 8.50 | .05 |
| 2680 | .50 | 2.65B | *.05 | ---- | CAB | ---- | ---- | ---- | 1354 | ---- | 1337 | 10.00 | .05 |
| 2685 | .75 | 3.45B | *.05 | ---- | CAB | ---- | ---- | ---- | 736 | ---- | 623 | 10.50 | .05 |
| 2690 | .95 | 4.45B | *.05 | ---- | CAB | ---- | ---- | ---- | 5106 | ---- | 1925 | 12.75 | .05 |
| 2695 | 1.00 | 5.50 | *.05 | ---- | CAB | ---- | ---- | ---- | 2975 | ---- | 1139 | 13.50 | .05 |
| 2700 | 2.40 | 7.50 | *.05 | ---- | CAB | ---- | ---- | ---- | 12216 | ---- | 3242 | 16.75 | .05 |
| 2705 | 1.75 | 8.75B | *.10 | ---- | 2.80+ | 0.65 | 1.000 | 1414 | 4043 | ---- | 645 | 18.50 | .10 |
| 2710 | 2.50 | 11.00B | *.10 | ---- | 7.80+ | 5.00 | 1.000 | 1378 | 8583 | ---- | 1486 | 19.75 | .10 |
| 2715 | 2.90 | 13.50B | *.20 | ---- | 12.80+ | 9.10 | 1.000 | 1896 | 9542 | ---- | 2473 | 21.25B | .20 |
| 2720 | 5.00 | 17.50 | *.30 | ---- | 17.80+ | 13.00 | 1.000 | 1170 | 6346 | ---- | 1395 | 24.00B | .30 |
| 2725 | 7.00 | 21.00 | *.50 | ---- | 22.80+ | 16.50 | 1.000 | 1259 | 9641 | ---- | 716 | 28.00 | .50 |
| 2730 | 8.00 | 24.00 | *.90 | ---- | 27.80+ | 19.50 | 1.000 | 1158 | 4699 | ---- | 653 | 33.75 | .90 |
| 2735 | 10.00 | 28.50 | *1.35 | ---- | 32.80+ | 22.00 | 1.000 | 1101 | 2250 | ---- | 438 | 33.50B | 1.35 |
| 2740 | 26.25 | 33.00 | *2.30 | ---- | 37.80+ | 23.80 | 1.000 | 1272 | 2009 | ---- | 953 | 39.00 | 2.30 |
| 2745 | 20.00 | 36.75 | *3.70 | ---- | 42.80+ | 25.00 | 1.000 | 860 | 1112 | ---- | 218 | 41.00B | 3.70 |
| 2750 | 26.50 | 40.00 | 6.00 | ---- | 47.80+ | 25.60 | 1.000 | 1266 | 513 | ---- | 912 | 50.00 | 4.70A |
| 2755 | 25.00 | 26.00 | 9.25 | ---- | 52.80+ | 26.00 | 1.000 | 388 | 52 | ---- | 386 | 48.25B | 5.50A |
| 2760 | 50.50 | 50.50 | 13.75A | ---- | 57.80+ | 26.20 | 1.000 | 477 | 4 | ---- | 477 | 53.00B | 6.25A |
| 2765 | ---- | ---- | 18.25A | ---- | 62.80+ | 26.20 | 1.000 | 592 | 183 | ---- | 418 | 53.75B | 7.25A |
| 2770 | 26.50 | #60.75 | 24.50A | ---- | 67.80+ | 26.30 | 1.000 | 105 | 9 | ---- | 107 | 60.75 | 8.25A |
| 2785 | ---- | ---- | ---- | ---- | 82.80+ | 26.30 | 1.000 | 78 | 8 | ---- | 85 | 67.25B | 13.50A |
| 2790 | 77.00 | 77.00 | 75.00 | ---- | 87.80+ | 26.30 | 1.000 | 36 | 15 | ---- | 48 | 83.25 | 16.00A |
| TOTAL | | | | | | | | | 81082 | 0 - | 7183 | | |

| JUL18 | MDW MID | (FUTURES SETT. .00) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1920 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 1 | UNCH | .05 | .05 |
| 1950 | .05 | #.05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 2 | 2 + | 2 | .05 | .05 |
| 1960 | .05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 21 | 21 + | 21 | .10B | .05 |
| 1970 | .05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 2 | 52 + | 2 | .15 | .05 |
| 1975 | .05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 1 | 1 + | 1 | .10B | .05 |
| 1980 | .05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 1 | 1 + | 1 | .10B | .05 |
| 2000 | .05 | .05 | *.05 | ---- | .05 | UNCH | .000 | ---- | 14 | 14 + | 14 | .10B | .05 |
| 2040 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 125 | UNCH | .20 | .10A |
| 2050 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 100 | UNCH | .20 | .10A |
| 2080 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 10 | UNCH | .15B | .10 |
| 2140 | ---- | ---- | ---- | ---- | .10 | UNCH | .000 | ---- | ---- | 1 | UNCH | .30 | .15A |
| 2150 | .05 | .10B | *.05 | ---- | .10 | UNCH | .000 | ---- | 1500 | 1500 + | 1500 | .25B | .05 |
| 2190 | .15 | .15 | .15 | ---- | .15 | NEW | .001 | ---- | 1 | 1 + | 1 | .35B | .15A |
| 2240 | ---- | ---- | *.10A | ---- | .25+ | 0.10 | .002 | ---- | 17 | 44 | UNCH | .40 | .10A |
| 2260 | .30 | .30 | *.10A | ---- | .25 | NEW | .002 | ---- | 3 | 3 + | 3 | .45B | .10A |
| 2280 | ---- | ---- | *.15A | ---- | .25+ | 0.05 | .002 | ---- | ---- | 90 | UNCH | .50B | .15A |
| 2290 | ---- | ---- | *.15A | ---- | .30+ | 0.05 | .002 | ---- | ---- | 69 | UNCH | .55B | .15A |
| 2300 | ---- | ---- | *.15A | ---- | .30+ | 0.05 | .002 | ---- | 34 | 58 + | 31 | .55B | .15A |
| 2305 | ---- | ---- | *.15A | ---- | .30+ | 0.05 | .002 | ---- | ---- | 69 | UNCH | .60B | .15A |
| 2310 | ---- | ---- | *.15A | ---- | .30+ | 0.05 | .003 | ---- | ---- | 121 | UNCH | .60B | .15A |
| 2315 | .30 | .30 | *.15A | ---- | .30+ | 0.05 | .003 | ---- | 1 | 23 + | 1 | .60B | .15A |
| 2325 | .30 | .30 | *.15A | ---- | .30 | NEW | .003 | ---- | 1 | 1 + | 1 | .65B | .15A |
| 2330 | ---- | ---- | *.15A | ---- | .35+ | 0.10 | .003 | ---- | ---- | 45 | UNCH | .70 | .15A |
| 2335 | .30 | .30 | *.15A | ---- | .35+ | 0.05 | .003 | ---- | 1 | 23 + | 1 | .70B | .15A |
| 2345 | ---- | ---- | *.20A | ---- | .35+ | 0.05 | .003 | ---- | ---- | 22 | UNCH | .75B | .20A |
| 2350 | .35 | .35 | *.20A | ---- | .35+ | 0.05 | .003 | ---- | 22 | 38 + | 22 | 1.00 | .20A |
| 2355 | .20 | .35B | *.20 | ---- | .40+ | 0.10 | .004 | ---- | 6 | 397 - | 6 | 1.05 | .20 |
| 2360 | .30 | .35B | *.20A | ---- | .40+ | 0.10 | .004 | ---- | 22 | 55 + | 22 | 1.00 | .20A |
| 2375 | .25 | .40B | *.20A | ---- | .45+ | 0.10 | .005 | ---- | 3 | 407 - | 3 | 1.05 | .20A |
| 2380 | .40 | .40 | *.20A | ---- | .45+ | 0.10 | .005 | ---- | 22 | 23 + | 22 | .90B | .20A |
| 2385 | .40 | .40 | *.20A | ---- | .45+ | 0.10 | .005 | ---- | 22 | 22 + | 21 | .95B | .20A |
| 2390 | .35 | .40B | *.25A | ---- | .50 | NEW | .006 | ---- | 22 | 22 + | 22 | .95B | .25A |
| 2395 | ---- | ---- | *.25A | ---- | .50+ | 0.10 | .006 | ---- | ---- | 302 | UNCH | 1.00B | .25A |
| 2400 | ---- | .45B | *.25A | ---- | .50+ | 0.10 | .006 | ---- | ---- | 3 | UNCH | 1.00B | .25A |
| 2410 | ---- | .50B | *.25A | ---- | .55+ | 0.15 | .007 | ---- | ---- | 5 | UNCH | 1.10B | .25A |
| 2415 | ---- | .50B | *.25A | ---- | .55+ | 0.15 | .007 | ---- | ---- | 22 | UNCH | 1.10B | .25A |
| 2420 | ---- | .50B | *.25A | ---- | .55+ | 0.15 | .007 | ---- | ---- | 30 | UNCH | 1.15B | .25A |
| 2445 | .35 | .60B | *.30A | ---- | .65+ | 0.20 | .009 | ---- | 1 | 22 - | 1 | 1.35B | .30A |
| 2455 | .60 | .65B | *.30A | ---- | .70+ | 0.20 | .010 | ---- | 18 | 200 | UNCH | 1.45B | .30A |
| 2460 | .40 | .65B | *.30A | ---- | .70+ | 0.20 | .010 | ---- | 3 | 5 + | 3 | 1.50B | .30A |
| 2465 | .40 | .70B | *.30A | ---- | .75+ | 0.20 | .011 | ---- | 133 | 219 + | 118 | 1.55B | .30A |
| 2470 | .45 | .70 | *.35A | ---- | .75+ | 0.20 | .011 | ---- | 355 | 355 + | 255 | 1.60B | .35A |
| 2475 | ---- | .75B | *.35A | ---- | .80+ | 0.25 | .012 | ---- | ---- | 200 | UNCH | 1.65B | .35A |
| 2480 | .45 | .80 | *.35A | ---- | .80+ | 0.20 | .012 | ---- | 443 | 418 + | 217 | 1.70B | .35A |
| 2490 | .75 | .80B | *.35A | ---- | .85+ | 0.25 | .013 | ---- | 31 | 101 | UNCH | 1.85B | .35A |
| 2495 | .50 | .85B | *.35A | ---- | .90 | NEW | .014 | ---- | 1 | 1 + | 1 | 1.90B | .35A |
| 2500 | ---- | .85B | *.35A | ---- | .90+ | 0.25 | .015 | ---- | 44 | 55 + | 44 | 2.00B | .35A |
| 2505 | .85 | .90B | *.35A | ---- | .95+ | 0.30 | .016 | ---- | 402 | 407 + | 7 | 2.05B | .35A |
| 2510 | .55 | .90B | *.40A | ---- | .95+ | 0.25 | .016 | ---- | 41 | 43 + | 26 | 2.15B | .40A |
| 2515 | .40 | .95B | *.40 | ---- | 1.00+ | 0.30 | .017 | ---- | 5 | 7 + | 5 | 2.25B | .40 |
| 2520 | .60 | 1.00 | *.40 | ---- | 1.05+ | 0.30 | .018 | ---- | 15 | 52 + | 2 | 2.40B | .40 |
| 2525 | ---- | 1.05B | *.45A | ---- | 1.10+ | 0.35 | .020 | ---- | ---- | 101 | UNCH | 2.50B | .45A |
| 2530 | ---- | 1.10B | *.45A | ---- | 1.10+ | 0.30 | .020 | ---- | ---- | 21 | UNCH | 2.65B | .45A |
| 2535 | 1.10 | 1.15B | *.45A | ---- | 1.15+ | 0.30 | .021 | ---- | 8 | 13 + | 6 | 2.75B | .45A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2540 | 1.15 | 1.25B | *.45A | ---- | 1.25+ | 0.40 | .024 | ---- | 4 | 4 + | 3 | 2.90B | .45A |
| 2545 | 1.20 | 1.30B | *.50A | ---- | 1.30 | NEW | .025 | ---- | 6 | 6 + | 6 | 3.05B | .50A |
| 2550 | 1.25 | 1.40B | *.50A | ---- | 1.35+ | 0.40 | .027 | ---- | 539 | 544 + | 506 | 3.25B | .50A |
| 2555 | 1.35 | 1.50B | *.50A | ---- | 1.45+ | 0.50 | .029 | ---- | 2 | 6 | UNCH | 3.40B | .50A |
| 2560 | 1.40 | 1.60B | *.55A | ---- | 1.55+ | 0.55 | .031 | ---- | 78 | 511 + | 9 | 3.60B | .55A |
| 2565 | 1.50 | 1.70B | *.55A | ---- | 1.65+ | 0.60 | .034 | ---- | 524 | 222 - | 79 | 3.80B | .55A |
| 2570 | 1.60 | 1.85B | *.60A | ---- | 1.75+ | 0.65 | .037 | ---- | 134 | 232 + | 131 | 4.00B | .60A |
| 2575 | 1.65 | 1.95B | *.60A | ---- | 1.85+ | 0.70 | .040 | ---- | 4 | 93 | UNCH | 4.25B | .60A |
| 2580 | 1.05 | 2.15B | *.65A | ---- | 2.00+ | 0.80 | .043 | ---- | 46 | 47 + | 46 | 4.50B | .65A |
| 2585 | 1.10 | 2.30B | *.65A | ---- | 2.15 | NEW | .047 | ---- | 7 | 7 + | 7 | 4.75B | .65A |
| 2590 | 1.15 | 2.50B | *.70A | ---- | 2.30+ | 0.95 | .052 | ---- | 101 | 102 + | 78 | 5.00B | .70A |
| 2595 | 1.15 | 2.70B | *.70A | ---- | 2.50+ | 1.10 | .057 | ---- | 4 | 16 + | 4 | 5.25B | .70A |
| 2600 | 1.10 | 2.95B | *.75A | ---- | 2.75+ | 1.25 | .063 | ---- | 383 | 273 - | 37 | 5.75B | .75A |
| 2605 | 1.45 | 3.20B | *.80A | ---- | 3.00+ | 1.40 | .070 | ---- | 9 | 24 + | 4 | 6.00 | .80A |
| 2610 | 1.35 | 3.50B | *.85A | ---- | 3.25+ | 1.50 | .077 | ---- | 8 | 46 + | 4 | 6.50B | .85A |
| 2615 | 1.05 | 3.80B | *.90A | ---- | 3.55+ | 1.70 | .085 | ---- | 7 | 24 + | 4 | 7.00B | .90A |
| 2620 | 1.60 | 4.15B | *.95A | ---- | 3.90+ | 1.90 | .094 | ---- | 2 | 51 + | 1 | 7.50B | .95A |
| 2625 | 1.15 | 4.55B | *1.00A | ---- | 4.30+ | 2.10 | .104 | ---- | 1 | 10 | UNCH | 8.00B | 1.00A |
| 2630 | 1.25 | 5.00B | *1.10A | ---- | 4.75+ | 2.35 | .116 | ---- | 72 | 95 + | 71 | 8.50B | 1.10A |
| 2635 | ---- | 5.50B | *1.15A | ---- | 5.20+ | 2.55 | .128 | ---- | 2 | 42 + | 2 | 9.25B | 1.15A |
| 2640 | 2.00 | 6.00B | *1.25A | ---- | 5.80+ | 2.90 | .143 | ---- | 215 | 182 + | 127 | 10.00B | 1.25A |
| 2645 | 5.00 | 6.50B | *1.40A | ---- | 6.40+ | 3.25 | .158 | ---- | 102 | 102 + | 25 | 10.75 | 1.40A |
| 2650 | 1.60 | 7.50 | *1.45 | ---- | 7.10+ | 3.60 | .176 | ---- | 426 | 596 + | 177 | 11.50B | 1.45 |
| 2655 | 3.80 | 8.25 | *1.65A | ---- | 7.80+ | 3.95 | .194 | ---- | 62 | 45 - | 26 | 12.25B | 1.65A |
| 2660 | 7.25 | 8.75B | *1.80A | ---- | 8.70+ | 4.45 | .216 | ---- | 20 | 209 | UNCH | 13.25B | 1.80A |
| 2665 | 3.60 | 9.50B | *2.00A | ---- | 9.60+ | 4.95 | .238 | ---- | 64 | 282 + | 60 | 14.25B | 2.00A |
| 2670 | 7.00 | 10.50B | *2.20A | ---- | 10.60+ | 5.50 | .263 | ---- | 129 | 236 + | 97 | 15.25B | 2.20A |
| 2675 | 4.35 | 11.50B | *2.45A | ---- | 11.80+ | 6.10 | .290 | ---- | 142 | 413 - | 13 | 16.50B | 2.45A |
| 2680 | 6.25 | 12.75B | *2.75 | ---- | 13.00+ | 6.70 | .319 | ---- | 612 | 385 + | 323 | 17.75B | 2.75 |
| 2685 | 13.50 | 14.00B | *3.05A | ---- | 14.30+ | 7.30 | .350 | ---- | 202 | 181 + | 72 | 19.25B | 3.05A |
| 2690 | 13.50 | 15.50B | *3.40A | ---- | 15.80+ | 8.00 | .383 | ---- | 130 | 159 + | 37 | 20.75 | 3.40A |
| 2695 | 6.75 | 17.25B | *3.85A | ---- | 17.30+ | 8.60 | .419 | ---- | 118 | 150 + | 42 | 24.00 | 3.85A |
| 2700 | 9.00 | 20.75 | *4.35A | ---- | 19.10+ | 9.40 | .457 | ---- | 352 | 361 - | 36 | 26.00 | 4.35A |
| 2705 | 7.50 | 21.00B | 4.95A | ---- | 21.00+ | 10.20 | .497 | ---- | 123 | 108 + | 93 | 26.00 | 4.95A |
| 2710 | 6.50 | 23.00B | 5.75A | ---- | 23.10+ | 11.00 | .539 | ---- | 92 | 70 - | 2 | 27.75B | 5.50A |
| 2715 | 9.50 | 25.25B | 6.50A | ---- | 25.40+ | 11.90 | .583 | ---- | 46 | 913 + | 42 | 30.00B | 6.00A |
| 2720 | 11.50 | 27.75B | 7.25A | ---- | 28.00+ | 13.00 | .627 | ---- | 248 | 337 + | 220 | 32.25B | 6.50A |
| 2725 | 22.75 | 30.50B | 8.25 | ---- | 30.80+ | 14.20 | .672 | ---- | 70 | 301 + | 13 | 34.75B | 7.25A |
| 2730 | 16.75 | 33.50B | 9.50A | ---- | 33.90+ | 15.40 | .715 | ---- | 48 | 89 + | 31 | 37.25B | 8.00A |
| 2735 | 14.00 | 36.75B | 10.75A | ---- | 37.10+ | 16.50 | .759 | ---- | 45 | 69 + | 38 | 40.25B | 8.75A |
| 2740 | 20.00 | 40.25B | 12.25A | ---- | 40.50+ | 17.50 | .801 | ---- | 21 | 135 + | 6 | 43.25B | 9.75 |
| 2745 | ---- | 44.00B | 13.75A | ---- | 44.20+ | 18.50 | .840 | ---- | ---- | 4 | UNCH | 46.50B | 10.75A |
| 2750 | ---- | 48.00B | 15.75A | ---- | 48.10+ | 19.40 | .875 | ---- | ---- | 8 | UNCH | 50.00B | 11.75A |
| 2755 | ---- | 51.25B | 18.00A | ---- | 52.30+ | 20.40 | .905 | ---- | ---- | 13 | UNCH | 53.75B | 13.25A |
| 2760 | ---- | 55.50B | 20.75A | ---- | 56.60+ | 21.10 | .930 | ---- | ---- | 8 | UNCH | 57.50B | 14.75A |
| 2765 | ---- | 60.00B | 23.75A | ---- | 61.20+ | 21.80 | .949 | ---- | 8 | 14 - | 6 | 60.50B | 16.50A |
| 2770 | ---- | 64.75B | 27.00A | ---- | 65.80+ | 22.20 | .964 | ---- | ---- | 1 | UNCH | 64.75B | 18.75A |
| TOTAL | | | | | | | | | 8426 | 13669 + | 4442 | | |
| MMW MID | | | | | | | | | | | | | |
| JUL18 | MMW MID | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1910 | ---- | ---- | ---- | ---- | .15 | UNCH | .001 | ---- | ---- | 147 | UNCH | .15 | .15 |
| 1940 | ---- | ---- | ---- | ---- | .15 | UNCH | .001 | ---- | ---- | 100 | UNCH | .15 | .15 |
| 1950 | ---- | ---- | ---- | ---- | .15 | UNCH | .001 | ---- | ---- | 100 | UNCH | .15 | .15 |
| 2000 | ---- | ---- | ---- | ---- | .05+ | 0.05 | ---- | ---- | ---- | 20 | UNCH | .15 | .15 |
| 2200 | .05 | .05 | *.05 | ---- | .05 | NEW | .000 | ---- | 2 | 2 + | 2 | .25B | .05 |
| 2225 | .15 | .15 | *.10A | ---- | .10 | NEW | .000 | ---- | 1 | 1 + | 1 | .30B | .10A |
| 2230 | .15 | .15 | *.10A | ---- | .10 | NEW | .000 | ---- | 6 | 6 + | 6 | .30B | .10A |
| 2230 | .30 | #.45B | *.30 | ---- | .50 | NEW | .005 | ---- | 3 | 3 + | 3 | .45B | .30 |
| 2240 | ---- | ---- | *.10A | ---- | .10- | 0.05 | .000 | ---- | ---- | 200 | UNCH | .40 | .10A |
| 2260 | .15 | .15 | *.10A | ---- | .10- | 0.05 | .000 | ---- | 10 | 17 + | 6 | .35B | .10A |
| 2270 | ---- | ---- | *.10A | ---- | .15 | UNCH | .001 | ---- | ---- | 16 | UNCH | .35B | .10A |
| 2275 | ---- | ---- | *.10A | ---- | .15 | UNCH | .001 | ---- | ---- | 29 | UNCH | .40B | .10A |
| 2280 | ---- | ---- | *.10A | ---- | .15 | UNCH | .001 | ---- | ---- | 2 | UNCH | .40B | .10A |
| 2290 | ---- | ---- | *.10A | ---- | .15- | 0.05 | .001 | ---- | ---- | 114 | UNCH | .40B | .10A |
| 2300 | .70 | #.70 | *.35A | ---- | .65 | NEW | .007 | ---- | 400 | 400 + | 400 | .70 | .35A |
| 2325 | .70 | #.70 | *.40A | ---- | .75 | NEW | .009 | ---- | 11 | 11 + | 11 | .70 | .40A |
| 2330 | ---- | ---- | *.15A | ---- | .25 | UNCH | .002 | ---- | ---- | 3 | UNCH | .50B | .15A |
| 2335 | ---- | ---- | *.15A | ---- | .25 | UNCH | .002 | ---- | ---- | 403 | UNCH | .65 | .15A |
| 2335 | .75 | #.75 | *.40A | ---- | .80 | NEW | .009 | ---- | 7 | 7 + | 7 | .75 | .40A |
| 2340 | .15 | .20B | *.15 | ---- | .30+ | 0.05 | .002 | ---- | 10 | 11 + | 10 | .75 | .15 |
| 2345 | .15 | .20B | *.15 | ---- | .30+ | 0.05 | .002 | ---- | 115 | 218 + | 38 | .80 | .15 |
| 2345 | .45 | #.80B | *.45 | ---- | .80 | NEW | .010 | ---- | 39 | 39 + | 39 | .80B | .45 |
| 2350 | .15 | .30 | *.15 | ---- | .30+ | 0.05 | .003 | ---- | 25 | 45 + | 25 | .60B | .15 |
| 2350 | .45 | #.80B | *.45 | ---- | .85 | NEW | .010 | ---- | 40 | 40 + | 40 | .80B | .45 |
| 2355 | ---- | ---- | *.15A | ---- | .30+ | 0.05 | .003 | ---- | ---- | 6 | UNCH | .60B | .15A |
| 2360 | .15 | .25 | *.15 | ---- | .30+ | 0.05 | .003 | ---- | 11 | 12 + | 11 | .60B | .15 |
| 2360 | .65 | #.85B | *.45A | ---- | .90 | NEW | .011 | ---- | 37 | 37 + | 37 | .85B | .45A |
| 2365 | .15 | .25 | *.15 | ---- | .35 | NEW | .003 | ---- | 893 | 893 + | 893 | .65B | .15 |
| 2365 | .70 | #.90B | *.45A | ---- | .90 | NEW | .011 | ---- | 15 | 15 + | 15 | .90B | .45A |
| 2370 | ---- | ---- | *.15A | ---- | .35+ | 0.10 | .003 | ---- | ---- | 2 | UNCH | .70 | .15A |
| 2375 | .25 | .25 | *.15A | ---- | .35+ | 0.10 | .003 | ---- | 301 | 305 + | 301 | .65B | .15A |
| 2375 | .70 | #.95B | *.50A | ---- | .95 | NEW | .012 | ---- | 5 | 5 + | 5 | .95B | .50A |
| 2380 | .25 | .25 | *.15A | ---- | .35+ | 0.10 | .003 | ---- | 1792 | 2158 + | 1613 | .80 | .15A |
| 2385 | .65 | #1.00B | *.50A | ---- | 1.05 | NEW | .014 | ---- | 10 | 10 + | 10 | 1.00B | .50A |
| 2390 | .15 | .30B | *.15 | ---- | .35+ | 0.05 | .003 | ---- | 5 | 7 + | 5 | .70B | .15 |
| 2395 | .15 | .30B | *.15 | ---- | .40+ | 0.10 | .004 | ---- | 21 | 468 | UNCH | .75B | .15 |
| 2395 | .70 | #1.05B | *.55A | ---- | 1.10 | NEW | .015 | ---- | 22 | 22 + | 22 | 1.05B | .55A |
| 2400 | .25 | .30B | *.15 | ---- | .40+ | 0.10 | .004 | ---- | 17 | 285 + | 2 | .75B | .15 |
| 2400 | .60 | #1.10B | *.55A | ---- | 1.15 | NEW | .015 | ---- | 20 | 20 + | 20 | 1.10B | .55A |
| 2405 | ---- | ---- | *.20A | ---- | .40+ | 0.05 | .004 | ---- | ---- | 401 | UNCH | .80 | .20A |
| 2410 | ---- | ---- | *.20A | ---- | .40+ | 0.05 | .004 | ---- | ---- | 3976 | UNCH | 1.00 | .20A |
| 2415 | ---- | ---- | *.20A | ---- | .40+ | 0.05 | .004 | ---- | ---- | 43 | UNCH | .85 | .20A |
| 2420 | .95 | #1.25B | *.60A | ---- | 1.30 | NEW | .018 | ---- | 10 | 10 + | 10 | 1.25B | .60A |
| 2420 | .20 | .35B | *.20 | ---- | .40+ | 0.05 | .004 | ---- | 6 | 30 + | 3 | .90B | .20 |
| 2425 | ---- | ---- | *.20A | ---- | .45+ | 0.10 | .005 | ---- | ---- | 4 | UNCH | .90B | .20A |
| 2430 | .20 | .35B | *.20 | ---- | .45 | NEW | .005 | ---- | 2 | 2 + | 2 | .95B | .20 |
| 2435 | ---- | ---- | *.20A | ---- | .45+ | 0.05 | .005 | ---- | ---- | 123 | UNCH | 1.00B | .20A |
| 2440 | .20 | .40B | *.20 | ---- | .45+ | 0.05 | .005 | ---- | 4 | 4 + | 3 | 1.00B | .20 |
| 2445 | .50 | .50 | *.25A | ---- | .50 | NEW | .006 | ---- | 431 | 431 + | 431 | 1.05B | .25A |
| 2450 | 1.30 | 1.60 | *.70A | ---- | 1.55+ | 0.45 | .023 | ---- | 26 | 27 + | 25 | 1.60 | .70A |
| 2450 | .20 | .40B | *.20 | ---- | .50+ | 0.10 | .006 | ---- | 2 | 117 + | 1 | 1.10B | .20 |
| 2455 | ---- | .45B | *.20A | ---- | .50+ | 0.10 | .006 | ---- | ---- | 11 | UNCH | 1.10B | .20A |
| 2460 | .25 | .45 | *.25 | ---- | .50+ | 0.05 | .007 | ---- | 16 | 120 + | 15 | 1.15B | .25 |
| 2460 | 1.55 | #1.60B | *.75A | ---- | 1.70 | NEW | .026 | ---- | 6 | 6 + | 6 | 1.60B | .75A |
| 2465 | .50 | .50 | *.25A | ---- | .55+ | 0.10 | .007 | ---- | 500 | 1176 + | 498 | 1.40 | .25A |
| 2470 | .25 | .50B | *.25 | ---- | .55+ | 0.10 | .007 | ---- | 505 | 501 + | 487 | 1.25B | .25 |
| 2475 | .45 | .50 | *.25A | ---- | .55+ | 0.10 | .008 | ---- | 83 | 201 + | 21 | 1.30B | .25A |
| 2480 | .55 | .60 | *.25A | ---- | .60+ | 0.15 | .008 | ---- | 386 | 531 - | 100 | 1.35B | .25A |
| 2485 | .35 | .55B | *.30A | ---- | .60+ | 0.15 | .009 | ---- | 1 | 200 | UNCH | 1.40B | .30A |
| 2490 | ---- | .55B | *.30A | ---- | .65+ | 0.15 | .010 | ---- | ---- | 48 | UNCH | 1.45B | .30A |
| 2495 | .65 | .65 | *.30A | ---- | .65+ | 0.15 | .010 | ---- | 136 | 156 + | 136 | 1.50B | .30A |
| 2500 | .60 | .65 | *.30A | ---- | .70+ | 0.20 | .011 | ---- | 416 | 1126 + | 416 | 1.55B | .30A |
| 2505 | .40 | .65B | *.30A | ---- | .70+ | 0.15 | .011 | ---- | 15 | 71 + | 5 | 1.65B | .30A |
| 2510 | ---- | .65B | *.30A | ---- | .75+ | 0.20 | .012 | ---- | ---- | 31 | UNCH | 1.70B | .30A |
| 2510 | ---- | 2.40B | *1.00A | ---- | 2.50+ | 0.90 | .041 | ---- | ---- | 7 | UNCH | 2.45 | 1.00A |
| 2515 | .40 | .70B | *.30A | ---- | .75+ | 0.20 | .012 | ---- | 5 | 6 + | 5 | 1.80B | .30A |
| 2520 | ---- | .75B | *.35A | ---- | .80+ | 0.20 | .013 | ---- | ---- | 1 | UNCH | 1.90B | .35A |
| 2525 | 1.55 | #2.75B | *1.10A | ---- | 2.85 | NEW | .048 | ---- | 168 | 168 + | 168 | 2.75B | 1.10A |
| 2525 | .45 | .75B | *.35A | ---- | .85+ | 0.25 | .015 | ---- | 463 | 460 + | 442 | 1.95B | .35A |
| 2530 | .65 | .80B | *.35A | ---- | .85+ | 0.20 | .015 | ---- | 121 | 122 - | 78 | 2.10B | .35A |
| 2530 | 1.60 | #2.90B | *1.15A | ---- | 2.95 | NEW | .051 | ---- | 22 | 22 + | 22 | 2.90B | 1.15A |
| 2535 | .50 | .85B | *.35 | ---- | .90+ | 0.25 | .016 | ---- | 566 | 282 - | 175 | 2.20B | .35 |
| 2540 | 1.75 | #3.20B | *1.25A | ---- | 3.25 | NEW | .057 | ---- | 135 | 135 + | 135 | 3.20B | 1.25A |
| 2540 | .40 | .90B | *.35A | ---- | .90+ | 0.25 | .017 | ---- | 12 | 20 + | 12 | 2.30B | .35A |
| 2545 | .45 | .95B | *.35A | ---- | .95+ | 0.25 | .018 | ---- | 113 | 225 + | 68 | 2.45B | .35A |
| 2550 | .55 | 1.00B | *.40 | ---- | 1.00+ | 0.25 | .019 | ---- | 26 | 135 + | 16 | 2.55B | .40 |
| 2550 | 1.90 | #3.55B | *1.35A | ---- | 3.65 | NEW | .064 | ---- | 20 | 20 + | 20 | 3.55B | 1.35A |
| 2555 | .50 | 1.10B | *.40A | ---- | 1.05+ | 0.30 | .021 | ---- | 39 | 40 + | 23 | 2.75B | .40A |
| 2560 | .90 | 1.15B | *.40A | ---- | 1.10+ | 0.30 | .022 | ---- | 5 | 60 + | 5 | 2.90B | .40A |
| 2560 | 2.10 | #3.95B | *1.50A | ---- | 4.05 | NEW | .073 | ---- | 19 | 19 + | 19 | 3.95B | 1.50A |
| 2565 | ---- | 1.25B | *.40A | ---- | 1.15+ | 0.35 | .024 | ---- | ---- | 3 | UNCH | 3.05B | .40A |
| 2570 | 1.05 | 1.35B | *.45A | ---- | 1.20+ | 0.35 | .025 | ---- | 11 | 26 + | 11 | 3.25B | .45A |
| 2575 | 1.05 | 1.45B | *.45A | ---- | 1.25+ | 0.35 | .027 | ---- | 104 | 452 + | 69 | 3.45B | .45A |
| 2575 | 2.30 | #4.70B | *1.70A | ---- | 4.75+ | 1.95 | .087 | ---- | 71 | 85 + | 71 | 4.70B | 1.70A |
| 2580 | ---- | 1.55B | *.50A | ---- | 1.35+ | 0.40 | .030 | ---- | ---- | 7 | UNCH | 3.70B | .50A |
| 2585 | 1.25 | 1.70B | *.50A | ---- | 1.45+ | 0.45 | .033 | ---- | 1 | 18 | UNCH | 3.90B | .50A |
| 2585 | 4.20 | #5.25B | *1.90A | ---- | 5.40 | NEW | .100 | ---- | 16 | 16 + | 16 | 5.25B | 1.90A |
| 2590 | 1.15 | 1.85B | *.50A | ---- | 1.55+ | 0.50 | .036 | ---- | 3 | 36 + | 3 | 4.20B | .50A |
| 2590 | 4.15 | #5.50B | *2.00A | ---- | 5.70 | NEW | .106 | ---- | 30 | 30 + | 30 | 5.50B | 2.00A |
| 2595 | .70 | 2.05B | *.55A | ---- | 1.70+ | 0.60 | .040 | ---- | 127 | 685 + | 123 | 4.45B | .55A |
| 2595 | 4.40 | #6.00B | *2.10A | ---- | 6.00 | NEW | .113 | ---- | 15 | 15 + | 15 | 6.00B | 2.10A |
| 2600 | 1.65 | 2.25B | *.55A | ---- | 1.85+ | 0.65 | .045 | ---- | 531 | 578 - | 10 | 4.95 | .55A |
| 2600 | 6.00 | #6.25B | *2.20A | ---- | 6.40 | NEW | .121 | ---- | 3 | 3 + | 3 | 6.25B | 2.20A |
| 2605 | 1.30 | 2.45B | *.60A | ---- | 2.05+ | 0.75 | .050 | ---- | 31 | 62 + | 31 | 5.00B | .60A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2605 | 5.75 | #6.75B | *2.35A | ---- | 6.80 | NEW | .129 | ---- | 10 | 10 + | 10 | 6.75B | 2.35A |
| 2610 | 1.80 | 2.70B | *.60A | ---- | 2.25+ | 0.90 | .056 | ---- | 357 | 383 + | 355 | 5.50B | .60A |
| 2610 | 6.25 | #7.25B | *2.45A | ---- | 7.30 | NEW | .138 | ---- | 35 | 35 + | 35 | 7.25B | 2.45A |
| 2615 | 1.00 | 3.00B | *.65A | ---- | 2.50+ | 1.05 | .063 | ---- | 3 | 26 + | 2 | 6.50 | .65A |
| 2615 | 6.75 | #7.75B | *2.60A | ---- | 7.80 | NEW | .148 | ---- | 89 | 75 + | 75 | 7.75B | 2.60A |
| 2620 | 2.15 | 3.35B | *.70A | ---- | 2.75+ | 1.15 | .071 | ---- | 224 | 164 + | 160 | 6.50B | .70A |
| 2620 | 7.00 | #8.25B | *2.75A | ---- | 8.30+ | 3.60 | .158 | ---- | 8 | 13 + | 8 | 8.25B | 2.75A |
| 2625 | 2.10 | 3.70B | *.75A | ---- | 3.05+ | 1.35 | .080 | ---- | 247 | 264 + | 175 | 7.00B | .75A |
| 2625 | 7.50 | #8.75B | *2.95A | ---- | 8.90 | NEW | .170 | ---- | 13 | 13 + | 13 | 8.75B | 2.95A |
| 2630 | .85 | 4.10B | *.80A | ---- | 3.45+ | 1.55 | .091 | ---- | 12 | 20 + | 1 | 7.50B | .80A |
| 2635 | 1.80 | 4.55B | *.85A | ---- | 3.85+ | 1.80 | .103 | ---- | 146 | 187 + | 68 | 8.00 | .85A |
| 2640 | 3.95 | #11.00B | *3.55A | ---- | 11.00 | NEW | .209 | ---- | 1 | 1 + | 1 | 11.00B | 3.55A |
| 2640 | 4.00 | 5.00B | *.90A | ---- | 4.30+ | 2.05 | .116 | ---- | 85 | 144 + | 53 | 8.75B | .90A |
| 2645 | 4.00 | 5.50B | *1.00A | ---- | 4.85+ | 2.35 | .132 | ---- | 2 | 27 + | 1 | 9.50B | 1.00A |
| 2645 | 4.05 | #11.75B | *3.80A | ---- | 11.90 | NEW | .225 | ---- | 122 | 112 + | 112 | 11.75B | 3.80A |
| 2650 | 6.25 | 6.25 | *1.10 | ---- | 5.50+ | 2.75 | .150 | ---- | 595 | 458 + | 108 | 10.25B | 1.10 |
| 2650 | 4.80 | #12.50B | *4.10A | ---- | 12.80 | NEW | .242 | ---- | 31 | 30 + | 30 | 12.50B | 4.10A |
| 2655 | 2.15 | 6.75B | *1.20A | ---- | 6.10+ | 3.05 | .168 | ---- | 35 | 353 + | 26 | 11.00B | 1.20A |
| 2655 | 4.95 | #13.50B | *4.40A | ---- | 13.80 | NEW | .259 | ---- | 15 | 15 + | 15 | 13.50B | 4.40A |
| 2660 | 1.50 | 7.50B | *1.30A | ---- | 6.90+ | 3.55 | .190 | ---- | 255 | 436 + | 74 | 12.00B | 1.30A |
| 2660 | 4.90 | #14.50B | *4.70A | ---- | 14.80 | NEW | .277 | ---- | 44 | 35 + | 35 | 14.50B | 4.70A |
| 2665 | 6.00 | 8.25B | *1.50A | ---- | 7.80+ | 4.05 | .214 | ---- | 25 | 265 - | 5 | 13.00B | 1.50A |
| 2665 | 7.00 | #15.75B | *5.25A | ---- | 15.90 | NEW | .297 | ---- | 20 | 20 + | 20 | 15.75B | 5.25A |
| 2670 | 3.35 | 9.25 | *1.65A | ---- | 8.70+ | 4.50 | .239 | ---- | 144 | 352 + | 61 | 14.00B | 1.65A |
| 2670 | 6.25 | #16.75B | *5.50A | ---- | 17.10 | NEW | .317 | ---- | 72 | 72 + | 72 | 16.75B | 5.50A |
| 2675 | 8.75 | 10.50 | *1.85A | ---- | 9.80+ | 5.10 | .268 | ---- | 329 | 402 + | 208 | 15.25B | 1.85A |
| 2680 | 3.60 | 11.50 | *2.05 | ---- | 11.00+ | 5.70 | .300 | ---- | 355 | 474 + | 341 | 16.50B | 2.05 |
| 2680 | 8.75 | #19.50B | *6.50A | ---- | 19.80 | NEW | .362 | ---- | 11 | 11 + | 11 | 19.50B | 6.50A |
| 2685 | 3.25 | 12.75B | *2.35A | ---- | 12.30+ | 6.30 | .334 | ---- | 100 | 216 + | 41 | 17.75B | 2.35A |
| 2685 | 16.00 | #21.00B | *7.00A | ---- | 21.20 | NEW | .386 | ---- | 23 | 23 + | 23 | 21.00B | 7.00A |
| 2690 | 12.50 | 14.25B | *2.70A | ---- | 13.80+ | 7.10 | .371 | ---- | 100 | 172 - | 22 | 19.25B | 2.70A |
| 2695 | 3.85 | 15.75 | *3.05A | ---- | 15.40+ | 7.80 | .410 | ---- | 68 | 154 + | 41 | 20.75B | 3.05A |
| 2695 | 9.25 | #24.25B | *8.50A | ---- | 24.50+ | 10.50 | .438 | ---- | 22 | 119 + | 22 | 24.25B | 8.50A |
| 2700 | 13.25 | #25.75B | *9.00A | ---- | 26.20 | NEW | .466 | ---- | 15 | 10 + | 10 | 25.75B | 9.00A |
| 2700 | 9.50 | 17.75 | 3.50A | ---- | 17.10+ | 8.60 | .452 | ---- | 704 | 474 + | 317 | 24.50 | 3.40A |
| 2705 | 5.00 | 19.25B | 4.05A | ---- | 19.10+ | 9.50 | .497 | ---- | 108 | 151 + | 48 | 24.50B | 3.65A |
| 2705 | 13.00 | #27.75B | *10.00A | ---- | 28.20+ | 11.90 | .495 | ---- | 24 | 81 + | 24 | 27.75B | 10.00A |
| 2710 | 18.75 | 22.50 | 4.65A | ---- | 21.30+ | 10.50 | .544 | ---- | 427 | 429 + | 47 | 26.50B | 3.90A |
| 2710 | 10.75 | #29.75B | *10.75 | ---- | 30.20 | NEW | .525 | ---- | 48 | 27 + | 27 | 29.75B | 10.75 |
| 2715 | 16.75 | 23.25B | 5.50A | ---- | 23.60+ | 11.40 | .593 | ---- | 81 | 102 + | 9 | 28.75B | 4.25A |
| 2715 | 22.50 | #32.00B | *11.75A | ---- | 32.40+ | 13.30 | .556 | ---- | 6 | 5 | UNCH | 32.00B | 11.75A |
| 2720 | 13.00 | 26.50 | 6.25A | ---- | 26.30+ | 12.60 | .642 | ---- | 500 | 259 + | 35 | 31.00B | 4.60A |
| 2720 | 21.75 | #34.25B | *12.75A | ---- | 34.80 | NEW | .588 | ---- | 8 | 8 + | 8 | 34.25B | 12.75A |
| 2725 | 13.75 | 28.75B | 7.25 | ---- | 29.10+ | 13.70 | .692 | ---- | 31 | 207 + | 9 | 33.75B | 4.95A |
| 2730 | 8.50 | 33.25 | 8.25A | ---- | 32.30+ | 15.00 | .740 | ---- | 107 | 93 + | 43 | 36.25B | 5.50A |
| 2730 | 17.00 | #39.50B | *15.25A | ---- | 40.10 | NEW | .653 | ---- | 36 | 36 + | 36 | 39.50B | 15.25A |
| 2735 | 10.75 | 35.25B | 9.50A | ---- | 35.70+ | 16.20 | .786 | ---- | 234 | 250 + | 169 | 39.25B | 6.00A |
| 2740 | 13.25 | 38.75B | 11.00A | ---- | 39.30+ | 17.40 | .828 | ---- | 17 | 234 + | 1 | 42.25B | 6.50A |
| 2740 | 20.00 | #45.50B | *18.25A | ---- | 46.00 | NEW | .719 | ---- | 44 | 32 + | 32 | 45.50B | 18.25A |
| 2745 | 13.25 | 42.75B | 12.75A | ---- | 43.20+ | 18.50 | .866 | ---- | 16 | 31 + | 12 | 45.75B | 7.25A |
| 2745 | 20.00 | #49.00B | *20.00 | ---- | 49.30 | NEW | .751 | ---- | 59 | 59 + | 59 | 49.00B | 20.00 |
| 2750 | 47.50 | 47.50 | 14.75A | ---- | 47.30+ | 19.50 | .900 | ---- | 5 | 42 - | 1 | 49.25B | 8.00A |
| 2755 | ---- | 50.50B | 17.25A | ---- | 51.70+ | 20.50 | .926 | ---- | ---- | 125 | UNCH | 53.00B | 8.75A |
| 2760 | ---- | 55.00B | 20.00A | ---- | 56.20+ | 21.30 | .948 | ---- | ---- | 149 | UNCH | 57.00B | 9.75A |
| 2765 | ---- | 59.50B | 23.00A | ---- | 60.80+ | 21.90 | .966 | ---- | 8 | 31 - | 6 | 60.25B | 10.75A |
| 2770 | ---- | 64.25B | 26.50A | ---- | 65.50+ | 22.30 | .978 | ---- | ---- | 50 | UNCH | 64.25B | 12.00A |
| 2775 | ---- | #69.25B | 30.25A | ---- | 70.40+ | 22.80 | .985 | ---- | ---- | 3 | UNCH | 69.25B | 13.50A |
| 2795 | ---- | #88.25B | 51.75A | ---- | 90.20+ | 23.40 | .995 | ---- | ---- | 1 | UNCH | 88.25B | 22.50A |
| 2800 | ---- | ---- | ---- | ---- | 95.10+ | 23.40 | .997 | ---- | ---- | 3 | UNCH | 90.00B | 25.25A |
| TOTAL | | | | | | | | | 15096 | 27236 + | 9574 | | |
| RTM EOM | | | | | | | | | | | | | |
| JUN18 | RTM EOM | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1170 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 60 | UNCH | 6.00B | .20A |
| 1190 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 68 | UNCH | 6.80B | .25A |
| 1220 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | 8.20B | .25A |
| 1225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 24 | UNCH | 9.40B | .25A |
| 1240 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 44 | UNCH | 9.40B | .30A |
| 1250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | 10.10B | .30A |
| 1280 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 81 | UNCH | 12.30B | .40A |
| 1290 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | 13.20B | .40A |
| 1300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 296 | UNCH | 14.10B | .25A |
| 1310 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 22 | UNCH | 15.20B | .50A |
| 1320 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | 16.20B | .30A |
| 1325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | 16.80B | .05 |
| 1345 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | 19.40B | .25A |
| 1350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | 20.10B | .25A |
| 1355 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | UNCH | 20.80B | .30A |
| 1365 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 6 | UNCH | 22.30B | .10 |
| 1385 | ---- | ---- | ---- | ---- | .05 | UNCH | ---- | ---- | ---- | 1 | UNCH | 25.70B | .35A |
| 1395 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 53 | UNCH | 27.60B | .40A |
| 1400 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 27 | UNCH | 28.60B | .10A |
| 1405 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 21 | UNCH | 29.60B | .10A |
| 1415 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 1 | UNCH | 31.80B | .10A |
| 1420 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 57 | UNCH | 33.00B | .10A |
| 1425 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 34 | UNCH | 34.20B | .10A |
| 1435 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 4 | UNCH | 36.80B | .10A |
| 1445 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 60 | UNCH | 39.50B | .10A |
| 1455 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 43 | UNCH | 42.50B | .10A |
| 1460 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 33 | UNCH | 44.10B | .10A |
| 1465 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 77 | UNCH | 45.70B | .10A |
| 1470 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 54 | UNCH | 47.40B | .10A |
| 1475 | ---- | ---- | ---- | ---- | .10+ | 0.05 | .000 | ---- | ---- | 28 | UNCH | 49.20B | .10A |
| 1480 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .001 | ---- | ---- | 1 | UNCH | 57.30B | .10A |
| 1485 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .001 | ---- | ---- | 16 | UNCH | 54.70B | .10A |
| 1490 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .001 | ---- | ---- | 35 | UNCH | 56.70B | .10A |
| 1495 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .001 | ---- | ---- | 35 | UNCH | 63.60B | .15A |
| 1500 | ---- | ---- | ---- | ---- | .20+ | 0.10 | .001 | ---- | ---- | 25 | UNCH | 59.60B | .15A |
| 1505 | ---- | ---- | ---- | ---- | .20+ | 0.10 | .002 | ---- | ---- | 6 | UNCH | 68.20B | .15A |
| 1510 | ---- | .15B | ---- | ---- | .20+ | 0.10 | .002 | ---- | ---- | 11 | UNCH | 64.50B | .15A |
| 1515 | ---- | .15B | ---- | ---- | .25+ | 0.15 | .002 | ---- | ---- | 2 | UNCH | 67.00B | .20A |
| 1520 | ---- | .15B | ---- | ---- | .25+ | 0.15 | .003 | ---- | ---- | 52 | UNCH | 69.30B | .20A |
| 1525 | ---- | .20B | ---- | ---- | .25+ | 0.15 | .003 | ---- | ---- | 122 | UNCH | 78.30B | .20A |
| 1530 | ---- | .20B | ---- | ---- | .30+ | 0.15 | .004 | ---- | ---- | 15 | UNCH | 74.90B | .20A |
| 1535 | ---- | .20B | ---- | ---- | .30+ | 0.15 | .004 | ---- | ---- | 18 | UNCH | 82.30B | .20A |
| 1540 | ---- | .25B | ---- | ---- | .30+ | 0.15 | .004 | ---- | ---- | 101 | UNCH | 80.30B | .25A |
| 1545 | ---- | .25B | ---- | ---- | .35+ | 0.20 | .005 | ---- | ---- | 5 | UNCH | 83.10B | .25A |
| 1550 | ---- | .30B | ---- | ---- | .35+ | 0.20 | .005 | ---- | 10 | 261 + | 10 | 90.80B | .20 |
| 1555 | ---- | .35B | ---- | ---- | .40+ | 0.20 | .007 | ---- | ---- | 41 | UNCH | 89.50B | .30A |
| 1560 | ---- | .40B | ---- | ---- | .45+ | 0.25 | .008 | ---- | ---- | 18 | UNCH | 92.70B | .30A |
| 1565 | ---- | .45B | ---- | ---- | .50+ | 0.30 | .010 | ---- | ---- | 13 | UNCH | 95.70B | .35A |
| 1570 | ---- | .50B | ---- | ---- | .55+ | 0.30 | .012 | ---- | ---- | 43 | UNCH | 94.70B | .35A |
| 1575 | ---- | .60B | ---- | ---- | .60+ | 0.35 | .014 | ---- | ---- | 11 | UNCH | 97.90B | .40A |
| 1580 | ---- | .70B | ---- | ---- | .70+ | 0.40 | .018 | ---- | ---- | 11 | UNCH | 100.80B | .40A |
| 1585 | ---- | .85B | ---- | ---- | .85+ | 0.50 | .024 | ---- | ---- | 70 | UNCH | 104.00B | .45A |
| 1590 | ---- | 1.00B | ---- | ---- | 1.00+ | 0.65 | .030 | ---- | ---- | 38 | UNCH | 107.50B | .45A |
| 1595 | ---- | 1.25B | ---- | ---- | 1.25+ | 0.85 | .041 | ---- | ---- | 25 | UNCH | 111.00B | .50A |
| 1600 | ---- | 1.55B | *.45A | ---- | 1.50+ | 1.00 | .053 | ---- | ---- | 27 | UNCH | 114.60B | .45A |
| 1605 | ---- | 1.90B | *.45A | ---- | 1.85+ | 1.30 | .069 | ---- | ---- | 2 | UNCH | 118.30B | .45A |
| 1610 | ---- | 2.35B | *.50A | ---- | 2.30+ | 1.65 | .092 | ---- | ---- | 3 | UNCH | 122.40B | .50A |
| 1615 | ---- | 2.90B | *.55A | ---- | 2.85+ | 2.10 | .121 | ---- | 1 | 107 | UNCH | 125.80B | .55A |
| 1620 | 1.25 | 3.60B | *.65A | ---- | 3.55+ | 2.65 | .158 | ---- | 3 | 63 - | 2 | 130.10B | .65A |
| 1625 | ---- | 4.60B | *.75A | ---- | 4.40+ | 3.30 | .205 | ---- | ---- | 41 | UNCH | 134.10B | .75A |
| 1630 | ---- | 5.70B | *.90A | ---- | 5.40+ | 4.10 | .261 | ---- | 1 | 27 + | 1 | 137.80B | .90A |
| 1635 | ---- | 7.20B | *1.05A | ---- | 6.80+ | 5.20 | .333 | ---- | ---- | 7 | UNCH | 141.90B | 1.05A |
| 1640 | ---- | 8.90B | *1.35A | ---- | 8.40+ | 6.45 | .415 | ---- | ---- | 12 | UNCH | 146.30B | 1.35A |
| 1645 | ---- | 11.00B | *1.70A | ---- | 10.50+ | 8.05 | .508 | ---- | 10 | 81 | UNCH | 150.50B | 1.70A |
| 1650 | 6.60 | 13.60B | *2.15A | ---- | 12.90+ | 9.85 | .607 | ---- | 16 | 146 - | 6 | 154.80B | 2.15A |
| 1655 | 4.35 | 16.50B | 2.80A | ---- | 15.90+ | 12.05 | .701 | ---- | 246 | 172 + | 124 | 159.10B | 2.70A |
| 1660 | 3.85 | 19.80B | 3.70A | ---- | 19.30+ | 14.45 | .786 | ---- | 257 | 162 + | 94 | 163.40B | 3.00A |
| 1665 | 11.60 | 23.60B | 4.80A | ---- | 23.10+ | 17.00 | .853 | ---- | 17 | 29 + | 15 | 167.80B | 3.40A |
| 1670 | 8.00 | 26.40B | 6.20A | ---- | 27.30+ | 19.50 | .905 | ---- | 5 | 31 - | 1 | 172.30B | 3.90A |
| 1675 | 13.50 | 30.10B | 8.10A | ---- | 31.70+ | 21.90 | .942 | ---- | 178 | 163 + | 116 | 175.80B | 4.45A |
| 1680 | 11.50 | 34.70B | 10.60A | ---- | 36.30+ | 24.00 | .964 | ---- | 5 | 16 - | 3 | 180.20B | 4.25 |
| 1685 | 15.00 | 39.40B | 13.50A | ---- | 41.10+ | 25.90 | .980 | ---- | 1 | 76 | UNCH | 184.90B | 6.00A |
| 1690 | 23.90 | 44.40B | 17.00A | ---- | 45.90+ | 27.20 | .988 | ---- | 1 | 20 - | 1 | 189.40B | 6.90A |
| 1695 | ---- | 49.20B | 22.00A | ---- | 50.80+ | 28.20 | .993 | ---- | ---- | 15 | UNCH | 194.10B | 8.00A |
| 1700 | ---- | 54.20B | ---- | ---- | 55.70+ | 28.90 | .997 | ---- | ---- | 45 | UNCH | 198.70B | 9.30A |
| 1705 | ---- | 59.20B | ---- | ---- | 60.70+ | 29.40 | .998 | ---- | ---- | 6 | UNCH | 203.40B | 10.90A |
| 1710 | ---- | 64.10B | ---- | ---- | 65.60+ | 29.60 | .999 | ---- | ---- | 2 | UNCH | 208.10B | 12.70A |
| 1715 | ---- | 51.00B | ---- | ---- | 70.60+ | 29.80 | .999 | ---- | ---- | 12 | UNCH | 212.90B | 14.80A |
| 1720 | ---- | 55.90B | ---- | ---- | 75.60+ | 29.90 | .999 | ---- | ---- | 1 | UNCH | 217.60B | 17.20A |
| TOTAL | | | | | | | | | 751 | 3449 + | 347 | | |
| JUL18 | RTM EOM | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 2 | UNCH | 4.90B | .65A |

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# E-MINI S&P 500 PUT OPTIONS

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1125 | ---- | ---- | ---- | ---- | .15+ | 0.05 | .001 | ---- | ---- | 54 | UNCH | 9.80B | .40A |
| 1150 | ---- | .15B | ---- | ---- | .20+ | 0.10 | .002 | ---- | ---- | 474 | UNCH | 11.30B | .45A |
| 1170 | ---- | ---- | ---- | ---- | .20+ | 0.05 | .002 | ---- | ---- | 107 | UNCH | 12.60B | .50A |
| 1175 | ---- | .20B | ---- | ---- | .25+ | 0.10 | .003 | ---- | ---- | 90 | UNCH | 12.90B | .20A |
| 1180 | ---- | .20B | ---- | ---- | .25+ | 0.10 | .003 | ---- | ---- | 124 | UNCH | 13.30B | .20A |
| 1200 | ---- | .25B | ---- | ---- | .30+ | 0.10 | .003 | ---- | ---- | 323 | UNCH | 14.70B | .25A |
| 1270 | ---- | .50B | ---- | ---- | .50+ | 0.15 | .007 | ---- | ---- | 144 | UNCH | 21.30B | .40A |
| 1300 | ---- | .65B | ---- | ---- | .70+ | 0.25 | .010 | ---- | ---- | 42 | UNCH | 24.80B | .45 |
| 1310 | ---- | .70B | ---- | ---- | .75+ | 0.25 | .010 | ---- | ---- | 31 | UNCH | 26.20B | .50A |
| 1325 | ---- | .80B | ---- | ---- | .85+ | 0.30 | .012 | ---- | ---- | 20 | UNCH | 28.30B | .60A |
| 1330 | ---- | .85B | ---- | ---- | .85+ | 0.25 | .012 | ---- | ---- | 2 | UNCH | 29.20B | .60A |
| 1340 | ---- | .90B | ---- | ---- | .95+ | 0.30 | .014 | ---- | ---- | 9 | UNCH | 30.70B | .65A |
| 1350 | ---- | 1.00B | *.65A | ---- | 1.05+ | 0.35 | .015 | ---- | ---- | 74 | UNCH | 32.30B | .65A |
| 1355 | ---- | 1.05B | ---- | ---- | 1.05+ | 0.35 | .016 | ---- | ---- | 4 | UNCH | 25.20B | .65A |
| 1360 | ---- | ---- | *.10A | ---- | .25+ | 0.10 | .004 | ---- | ---- | 62 | UNCH | .65B | .10A |
| 1360 | ---- | 1.05B | .70A | ---- | 1.10+ | 0.35 | .017 | ---- | ---- | 12 | UNCH | 34.20B | .65A |
| 1365 | ---- | 1.10B | ---- | ---- | 1.15+ | 0.40 | .017 | ---- | ---- | 14 | UNCH | 30.80B | .70A |
| 1370 | 1.65 | #1.85B | 1.65 | ---- | 1.85 | NEW | .026 | ---- | 12 | 12 + | 12 | 1.85B | 1.30A |
| 1370 | ---- | 1.15B | .75A | ---- | 1.20+ | 0.40 | .018 | ---- | ---- | 3 | UNCH | 36.00B | .70A |
| 1375 | ---- | 1.20B | .80A | ---- | 1.25+ | 0.40 | .019 | ---- | ---- | 60 | UNCH | 37.00B | .75A |
| 1380 | ---- | 1.25B | ---- | ---- | 1.30+ | 0.45 | .020 | ---- | ---- | 13 | UNCH | 37.80B | .60A |
| 1385 | ---- | 1.30B | .85A | ---- | 1.35+ | 0.45 | .021 | ---- | ---- | 152 | UNCH | 34.90B | .60 |
| 1390 | ---- | 1.35B | .90A | ---- | 1.45+ | 0.50 | .023 | ---- | ---- | 2 | UNCH | 40.00B | .85A |
| 1395 | ---- | 2.30B | ---- | ---- | 2.65+ | 0.85 | .037 | ---- | ---- | 1 | UNCH | 14.40B | 1.55A |
| 1395 | ---- | 1.45B | .90A | ---- | 1.50+ | 0.55 | .024 | ---- | ---- | 2 | UNCH | 37.20B | .70A |
| 1400 | ---- | 1.50B | .95A | ---- | 1.55+ | 0.55 | .025 | ---- | ---- | 261 | UNCH | 42.30B | .65 |
| 1405 | ---- | 1.55B | 1.00A | ---- | 1.60+ | 0.55 | .026 | ---- | ---- | 26 | UNCH | 39.60B | .90A |
| 1410 | ---- | 1.65B | 1.05A | ---- | 1.65+ | 0.55 | .027 | ---- | ---- | 3 | UNCH | 44.40B | .95A |
| 1415 | ---- | 1.70B | 1.05A | ---- | 1.75+ | 0.60 | .029 | ---- | ---- | 1 | UNCH | 42.20B | .80 |
| 1420 | ---- | 2.90B | 2.15A | ---- | 3.25+ | 1.05 | .047 | ---- | ---- | 1 | UNCH | 17.90B | 1.85A |
| 1425 | ---- | 1.85B | 1.15A | ---- | 1.90+ | 0.65 | .032 | ---- | ---- | 30 | UNCH | 48.40B | .90A |
| 1430 | ---- | 3.20B | ---- | ---- | 3.50+ | 1.15 | .051 | ---- | ---- | 1 | UNCH | 19.50B | 1.95A |
| 1435 | ---- | .40B | ---- | ---- | .45+ | 0.20 | .009 | ---- | ---- | 8 | UNCH | 1.40B | .35A |
| 1435 | ---- | 2.05B | 1.25A | ---- | 2.05+ | 0.70 | .035 | ---- | ---- | 158 | UNCH | 47.90B | 1.15A |
| 1440 | ---- | 2.15B | 1.30A | ---- | 2.15+ | 0.75 | .037 | ---- | ---- | 58 | UNCH | 52.50B | 1.00A |
| 1445 | 1.15 | 1.25B | .70A | ---- | 1.25 | NEW | .024 | ---- | 2 | 2 + | 2 | 1.35B | .65A |
| 1445 | ---- | 2.25B | 1.35A | ---- | 2.25+ | 0.80 | .039 | ---- | ---- | 58 | UNCH | 51.00B | 1.05A |
| 1450 | 1.20 | 1.30B | .75A | ---- | 1.30+ | 0.50 | .025 | ---- | 3 | 11 + | 3 | 1.40B | .70A |
| 1450 | ---- | 2.35B | 1.40A | ---- | 2.35+ | 0.85 | .041 | ---- | ---- | 3 | UNCH | 55.30B | 1.10A |
| 1455 | 1.25 | 1.35B | .75A | ---- | 1.35+ | 0.50 | .027 | ---- | 5 | 32 + | 5 | 1.50B | .70A |
| 1455 | ---- | 2.45B | 1.45A | ---- | 2.50+ | 0.90 | .044 | ---- | ---- | 41 | UNCH | 54.30B | 1.15A |
| 1460 | ---- | 4.25B | 2.95A | ---- | 4.55+ | 1.55 | .069 | ---- | ---- | 1 | UNCH | 25.00B | 2.10A |
| 1460 | ---- | 1.45B | .80A | ---- | 1.45+ | 0.55 | .029 | ---- | ---- | 90 | UNCH | 1.55 | .75A |
| 1460 | ---- | 2.60B | 1.50A | ---- | 2.60+ | 0.95 | .046 | ---- | ---- | 61 | UNCH | 58.30B | 1.20A |
| 1465 | 1.40 | 1.50B | .85A | ---- | 1.50+ | 0.55 | .030 | ---- | 8 | 18 + | 8 | 1.65B | .75A |
| 1465 | ---- | 2.70B | 1.60A | ---- | 2.75+ | 1.00 | .049 | ---- | ---- | 2 | UNCH | 57.90B | 1.25A |
| 1470 | 1.45 | 1.60B | .85A | ---- | 1.60+ | 0.60 | .033 | ---- | 2 | 8 + | 2 | 1.75B | .80A |
| 1470 | ---- | 2.80B | 1.65A | ---- | 2.90+ | 1.10 | .052 | ---- | ---- | 5 | UNCH | 61.60B | 1.30A |
| 1475 | 1.55 | 1.70B | .90A | ---- | 1.70 | NEW | .035 | ---- | 10 | 10 + | 10 | 1.85B | .85A |
| 1475 | ---- | 3.00B | 1.70A | ---- | 3.05+ | 1.15 | .055 | ---- | ---- | 89 | UNCH | 63.50B | 1.35A |
| 1480 | 1.60 | 1.80B | .95A | ---- | 1.80+ | 0.70 | .037 | ---- | 2 | 7 + | 2 | 1.95B | .90A |
| 1480 | ---- | 3.20B | 1.80A | ---- | 3.20+ | 1.20 | .058 | ---- | ---- | 94 | UNCH | 65.20B | 1.40A |
| 1485 | ---- | 3.30B | 1.90A | ---- | 3.40+ | 1.30 | .062 | ---- | ---- | 5 | UNCH | 65.70B | 1.45A |
| 1490 | ---- | 3.50B | 1.95A | ---- | 3.60+ | 1.40 | .066 | ---- | 1 | 81 | UNCH | 68.80B | 1.50A |
| 1495 | ---- | 3.70B | 2.05A | ---- | 3.80+ | 1.50 | .070 | ---- | ---- | 4 | UNCH | 69.90B | 1.60A |
| 1500 | ---- | .90B | *.45A | ---- | .95 | NEW | .023 | ---- | 69 | 69 + | 69 | 2.40B | .45A |
| 1500 | ---- | 6.30B | 4.15A | ---- | 6.60+ | 2.40 | .103 | ---- | ---- | 3 | UNCH | 35.20B | 2.85A |
| 1500 | ---- | 2.30B | 1.15A | ---- | 2.25+ | 0.90 | .049 | ---- | ---- | 44 | UNCH | 2.45B | 1.05A |
| 1500 | 2.30 | 4.00B | 2.20A | ---- | 4.00+ | 1.60 | .074 | ---- | 50 | 307 - | 50 | 72.80B | 1.65A |
| 1505 | ---- | .95B | *.45A | ---- | 1.05+ | 0.50 | .026 | ---- | ---- | 2 | UNCH | 2.40B | .45A |
| 1505 | ---- | 4.20B | 2.30A | ---- | 4.25+ | 1.75 | .079 | ---- | ---- | 6 | UNCH | 74.50B | 1.75A |
| 1510 | ---- | 4.40B | 2.40A | ---- | 4.50+ | 1.85 | .084 | ---- | ---- | 82 | UNCH | 76.80B | 1.80A |
| 1515 | ---- | 1.10B | *.50A | ---- | 1.20+ | 0.55 | .031 | ---- | ---- | 2 | UNCH | 2.80B | .50A |
| 1515 | ---- | 4.70B | 2.60A | ---- | 4.75+ | 1.95 | .089 | ---- | ---- | 6 | UNCH | 79.20B | 1.90A |
| 1520 | ---- | 7.80B | 5.00A | ---- | 8.10+ | 3.00 | .127 | ---- | ---- | 2 | UNCH | 41.80B | 3.30A |
| 1520 | ---- | 5.00B | 2.70A | ---- | 5.00+ | 2.05 | .095 | ---- | ---- | 9 | UNCH | 81.70B | 1.95A |
| 1525 | ---- | 1.25B | *.55A | ---- | 1.35+ | 0.65 | .036 | ---- | ---- | 62 | UNCH | 3.10B | .55A |
| 1525 | 1.85 | 3.20B | 1.50A | ---- | 3.15 | NEW | .071 | ---- | 3 | 3 + | 3 | 3.35B | 1.35A |
| 1525 | ---- | 5.30B | 2.80A | ---- | 5.30+ | 2.20 | .101 | ---- | ---- | 83 | UNCH | 84.30B | 2.05A |
| 1530 | ---- | 1.35B | *.60A | ---- | 1.45+ | 0.70 | .039 | ---- | ---- | 72 | UNCH | 3.30B | .60A |
| 1530 | ---- | 8.80B | 5.50A | ---- | 8.90+ | 3.30 | .141 | ---- | ---- | 2 | UNCH | 45.50B | 3.55A |
| 1530 | ---- | 5.70B | 3.00A | ---- | 5.70+ | 2.45 | .108 | ---- | ---- | 6 | UNCH | 86.90B | 2.15A |
| 1535 | ---- | 1.50B | *.65A | ---- | 1.60+ | 0.80 | .044 | ---- | ---- | 50 | UNCH | 3.40B | .65A |
| 1535 | 2.25 | 3.70B | 1.70A | ---- | 3.65 | NEW | .083 | ---- | 7 | 7 + | 7 | 3.85B | 1.50A |
| 1535 | ---- | 6.10B | 3.20A | ---- | 6.10+ | 2.65 | .116 | ---- | ---- | 46 | UNCH | 89.60B | 2.25A |
| 1540 | 2.10 | 3.90B | 1.80A | ---- | 3.95 | NEW | .090 | ---- | 7 | 7 + | 7 | 4.10B | 1.55A |
| 1540 | ---- | 6.50B | 3.40A | ---- | 6.50+ | 2.85 | .124 | ---- | ---- | 14 | UNCH | 91.30B | 2.35A |
| 1545 | ---- | 1.75B | *.70A | ---- | 1.85+ | 0.95 | .052 | ---- | ---- | 15 | UNCH | 3.90B | .70A |
| 1545 | 2.25 | 4.30B | 1.90A | ---- | 4.25 | NEW | .097 | ---- | 7 | 7 + | 7 | 4.40B | 1.65A |
| 1545 | ---- | 6.90B | 3.60A | ---- | 6.90+ | 3.00 | .132 | ---- | ---- | 103 | UNCH | 93.50B | 2.45A |
| 1550 | ---- | 1.95B | *.75A | ---- | 2.05+ | 1.10 | .059 | ---- | ---- | 4 | UNCH | 4.10B | .75A |
| 1550 | ---- | 11.00B | 6.60A | ---- | 11.00+ | 4.20 | .175 | ---- | ---- | 52 | UNCH | 53.80B | 4.20A |
| 1550 | 2.50 | 4.60B | 2.05A | ---- | 4.60 | NEW | .106 | ---- | 19 | 19 + | 19 | 4.75B | 1.75A |
| 1550 | ---- | 7.40B | 3.80A | ---- | 7.40+ | 3.25 | .142 | ---- | 142 | 251 - | 14 | 96.50B | 2.60A |
| 1555 | 2.70 | 5.00B | 2.20A | ---- | 5.00 | NEW | .115 | ---- | 2 | 2 + | 2 | 5.10B | 1.80A |
| 1555 | ---- | 7.90B | 4.00A | ---- | 7.90+ | 3.50 | .151 | ---- | ---- | 6 | UNCH | 99.40B | 2.80A |
| 1555 | ---- | 11.60B | 7.00A | ---- | 11.70+ | 4.50 | .186 | ---- | ---- | 1 | UNCH | 56.20B | 4.40A |
| 1560 | ---- | 2.40B | *.85A | ---- | 2.45+ | 1.35 | .072 | ---- | ---- | 64 | UNCH | 4.70B | .85A |
| 1560 | 3.30 | 5.40B | 2.35A | ---- | 5.40 | NEW | .125 | ---- | 3 | 3 + | 3 | 5.50B | 1.90A |
| 1560 | ---- | 12.30B | 7.30A | ---- | 12.30+ | 4.70 | .196 | ---- | ---- | 4 | UNCH | 58.70B | 4.60A |
| 1560 | ---- | 8.50B | 4.30A | ---- | 8.50+ | 3.80 | .162 | ---- | ---- | 151 | UNCH | 102.50B | 2.90A |
| 1565 | ---- | #12.00B | *6.70A | ---- | 11.90 | NEW | .199 | ---- | 50 | 50 + | 50 | 12.00B | 6.70A |
| 1565 | ---- | 2.65B | *.95A | ---- | 2.70+ | 1.55 | .080 | ---- | ---- | 50 | UNCH | 5.00B | .95A |
| 1565 | 3.50 | 5.90B | 2.50A | ---- | 5.90 | NEW | .136 | ---- | 17 | 17 + | 17 | 6.00B | 2.05A |
| 1565 | ---- | 9.10B | 4.60A | ---- | 9.10+ | 4.10 | .174 | ---- | ---- | 31 | UNCH | 105.60B | 3.10A |
| 1570 | ---- | 13.80B | 8.20A | ---- | 13.80+ | 5.30 | .219 | ---- | ---- | 1 | UNCH | 63.80B | 5.00A |
| 1570 | ---- | 9.80B | 4.90A | ---- | 9.80+ | 4.40 | .187 | ---- | ---- | 62 | UNCH | 108.60B | 3.20A |
| 1575 | ---- | 3.30B | *1.10A | ---- | 3.35 | NEW | .101 | ---- | 18 | 18 + | 18 | 5.70B | 1.10A |
| 1575 | ---- | 10.50B | 5.20A | ---- | 10.50+ | 4.80 | .200 | ---- | ---- | 95 | UNCH | 112.00B | 3.40A |
| 1580 | 13.50 | 15.50B | 9.10A | ---- | 15.50+ | 6.00 | .245 | ---- | 5 | 3 + | 1 | 69.30B | 5.20A |
| 1580 | ---- | 7.60B | 3.20A | ---- | 7.50+ | 3.75 | .175 | ---- | ---- | 160 | UNCH | 7.60B | 2.40A |
| 1580 | ---- | 11.20B | 5.60A | ---- | 11.20+ | 5.10 | .213 | ---- | ---- | 144 | UNCH | 115.30B | 3.60A |
| 1585 | 4.80 | 8.20B | 3.40A | ---- | 8.20 | NEW | .190 | ---- | 15 | 15 + | 15 | 8.30B | 2.55A |
| 1585 | 7.60 | 12.10B | 6.00A | ---- | 12.00+ | 5.40 | .228 | ---- | 14 | 48 | UNCH | 118.70B | 3.80A |
| 1590 | ---- | 17.40B | 10.20A | ---- | 17.40+ | 6.80 | .274 | ---- | ---- | 1 | UNCH | 75.20B | 6.10A |
| 1590 | 11.70 | 13.00B | 6.40A | ---- | 12.90 | NEW | .244 | ---- | 10 | 10 + | 10 | 121.80B | 4.00A |
| 1595 | ---- | 18.50B | 10.80A | ---- | 18.50+ | 7.20 | .290 | ---- | ---- | 1 | UNCH | 78.10B | 6.40A |
| 1595 | 12.60 | 13.90B | 6.90A | ---- | 13.90+ | 6.30 | .261 | ---- | 10 | 76 + | 10 | 125.50B | 4.30A |
| 1600 | ---- | #10.70B | 4.40A | ---- | 10.60+ | 5.50 | .244 | ---- | ---- | 79 | UNCH | 10.70B | 3.10A |
| 1600 | ---- | 19.60B | 11.50A | ---- | 19.60+ | 7.60 | .306 | ---- | ---- | 7 | UNCH | 81.40B | 6.70A |
| 1600 | ---- | 15.00B | 7.40A | ---- | 14.90+ | 6.80 | .279 | ---- | 49 | 300 - | 20 | 129.30B | 4.50A |
| 1605 | ---- | 6.80B | 1.95A | ---- | 6.70+ | 4.20 | .207 | ---- | ---- | 20 | UNCH | 9.00B | 1.85A |
| 1605 | ---- | 16.10B | 8.00A | ---- | 16.00+ | 7.30 | .298 | ---- | 25 | 68 + | 25 | 132.60B | 4.80A |
| 1605 | ---- | 20.90B | 12.20A | ---- | 20.80+ | 8.10 | .323 | ---- | ---- | 6 | UNCH | 84.70B | 7.10A |
| 1610 | ---- | #12.80B | 5.30A | ---- | 12.60+ | 6.50 | .288 | ---- | ---- | 72 | UNCH | 12.80B | 3.50A |
| 1610 | ---- | 22.10B | 13.00A | ---- | 22.10+ | 8.60 | .342 | ---- | ---- | 2 | UNCH | 87.90B | 7.50A |
| 1610 | ---- | 17.30B | 8.70A | ---- | 17.20+ | 7.80 | .319 | ---- | ---- | 14 | UNCH | 136.30B | 5.10A |
| 1615 | ---- | 8.70B | 2.50A | ---- | 8.60 | NEW | .262 | ---- | 69 | 69 + | 69 | 10.70B | 2.15A |
| 1615 | ---- | 18.60B | 9.30A | ---- | 18.50+ | 8.40 | .341 | ---- | 22 | 173 + | 22 | 140.40B | 5.50A |
| 1620 | ---- | 25.00B | 14.70A | ---- | 25.00+ | 9.80 | .381 | ---- | ---- | 4 | UNCH | 95.00B | 8.40A |
| 1620 | ---- | #15.30B | 6.40A | ---- | 15.10 | NEW | .339 | ---- | 66 | 66 + | 66 | 15.30B | 4.00A |
| 1620 | ---- | 20.00B | 10.10A | ---- | 19.90+ | 9.00 | .363 | ---- | ---- | 3 | UNCH | 143.90B | 5.80A |
| 1625 | 7.20 | 11.10B | 3.20A | ---- | 10.90 | NEW | .329 | ---- | 10 | 10 + | 10 | 12.70B | 2.60A |
| 1625 | ---- | 26.50B | 15.60A | ---- | 26.60+ | 10.40 | .401 | ---- | ---- | 1 | UNCH | 98.60B | 8.80A |
| 1625 | ---- | #16.80B | 7.00A | ---- | 16.50 | NEW | .367 | ---- | 10 | 10 + | 10 | 16.80B | 4.30A |
| 1625 | ---- | 21.50B | 10.90A | ---- | 21.40+ | 9.60 | .387 | ---- | ---- | 8 | UNCH | 147.70B | 6.20A |
| 1630 | ---- | 12.60B | 3.70A | ---- | 12.40+ | 7.80 | .368 | ---- | ---- | 46 | UNCH | 13.90B | 2.80A |
| 1630 | ---- | 28.10B | 16.70A | ---- | 28.20+ | 11.00 | .423 | ---- | ---- | 9 | UNCH | 102.60B | 9.40A |
| 1630 | ---- | #18.30B | 7.80A | ---- | 18.00 | NEW | .397 | ---- | 20 | 20 + | 20 | 18.30B | 4.65A |
| 1630 | ---- | 23.20B | 11.80A | ---- | 23.00+ | 10.30 | .412 | ---- | ---- | 47 | UNCH | 152.10B | 6.70A |
| 1635 | ---- | 29.80B | 17.70A | ---- | 30.00+ | 11.60 | .445 | ---- | ---- | 1 | UNCH | 106.20B | 10.00A |
| 1635 | 11.10 | #20.10B | 8.60A | ---- | 19.70+ | 10.20 | .429 | ---- | 2 | 3 + | 2 | 20.10B | 5.00A |
| 1635 | ---- | 25.00B | 12.80A | ---- | 24.70+ | 11.00 | .439 | ---- | ---- | 4 | UNCH | 155.80B | 7.10A |
| 1640 | ---- | #30.60B | *17.20A | ---- | 30.30 | NEW | .468 | ---- | 25 | 25 + | 25 | 30.60B | 17.20A |
| 1640 | ---- | 16.10B | 4.90A | ---- | 15.80+ | 9.80 | .453 | ---- | ---- | 55 | UNCH | 16.70B | 3.30A |
| 1640 | ---- | #21.90B | 9.50A | ---- | 21.50+ | 11.00 | .462 | ---- | 10 | 30 + | 10 | 21.90B | 5.50A |
| 1640 | ---- | 31.70B | 18.90A | ---- | 31.90+ | 12.40 | .468 | ---- | ---- | 1 | UNCH | 110.20B | 10.60A |
| 1640 | ---- | 26.80B | 13.80A | ---- | 26.60+ | 11.80 | .466 | ---- | ---- | 33 | UNCH | 160.10B | 7.70A |
| 1645 | 33.60 | 33.70B | 20.10A | ---- | 33.80+ | 13.00 | .492 | ---- | 1 | 37 + | 1 | 114.50B | 11.20A |
| 1645 | ---- | 28.80B | 14.90A | ---- | 28.50+ | 12.50 | .495 | ---- | ---- | 83 | UNCH | 164.00B | 8.20A |
| 1650 | 16.30 | #20.30B | 6.60A | ---- | 20.00+ | 12.20 | .550 | ---- | 75 | 97 + | 40 | 20.30B | 4.00A |
| 1650 | 33.20 | 35.80B | 21.50A | ---- | 36.00+ | 13.80 | .517 | ---- | 12 | 15 + | 9 | 118.20B | 11.90A |
| 1650 | 15.30 | #26.10B | 11.60A | ---- | 25.70+ | 13.00 | .533 | ---- | 19 | 111 | UNCH | 26.10B | 6.40A |
| 1650 | ---- | 30.90B | 16.10A | ---- | 30.70+ | 13.40 | .524 | ---- | 2 | 4 | UNCH | 168.20B | 8.80A |

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# E-MINI S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1655 | ---- | #36.90B | *21.10A | ---- | 36.70 | NEW | .545 | ---- | 14 | 14 + | 14 | 36.90B | 21.10A |
| 1655 | 11.20 | #22.80B | 7.60A | ---- | 22.50+ | 13.50 | .600 | ---- | 52 | 81 - | 48 | 22.80B | 4.50A |
| 1655 | 16.80 | #28.50B | 12.90A | ---- | 28.00 | NEW | .570 | ---- | 4 | 4 + | 4 | 28.50B | 6.90A |
| 1655 | ---- | 33.20B | 17.40A | ---- | 32.90+ | 14.20 | .554 | ---- | 18 | 80 - | 18 | 172.40B | 9.50A |
| 1660 | ---- | #25.60B | 8.80A | ---- | 25.20+ | 14.90 | .652 | ---- | ---- | 40 | UNCH | 25.60B | 4.95A |
| 1660 | ---- | 40.40B | 24.50A | ---- | 40.60+ | 15.40 | .568 | ---- | ---- | 5 | UNCH | 126.90B | 13.50A |
| 1660 | ---- | #31.10B | 14.30A | ---- | 30.60+ | 15.10 | .608 | ---- | ---- | 150 | UNCH | 31.10B | 7.60A |
| 1660 | ---- | 35.60B | 18.90A | ---- | 35.30+ | 15.10 | .586 | ---- | ---- | 50 | UNCH | 176.70B | 10.20A |
| 1665 | ---- | #28.70B | 10.20A | ---- | 28.30+ | 16.50 | .702 | ---- | ---- | 17 | UNCH | 28.70B | 5.50A |
| 1665 | ---- | 42.80B | 26.20A | ---- | 43.10+ | 16.20 | .594 | ---- | ---- | 1 | UNCH | 131.20B | 14.40A |
| 1665 | 20.70 | #33.80B | 15.80A | ---- | 33.40+ | 16.30 | .646 | ---- | 2 | 50 | UNCH | 33.80B | 8.20A |
| 1665 | ---- | 38.20B | 20.50A | ---- | 37.90+ | 16.10 | .617 | ---- | ---- | 89 | UNCH | 181.00B | 11.00A |
| 1670 | 12.30 | #32.00B | 11.80A | ---- | 31.60+ | 18.00 | .751 | ---- | 10 | 25 - | 1 | 32.00B | 6.10A |
| 1670 | ---- | 45.50B | 28.00A | ---- | 45.70+ | 17.00 | .621 | ---- | ---- | 11 | UNCH | 135.60B | 15.30 |
| 1670 | 20.50 | #36.80B | 17.50A | ---- | 36.40+ | 17.50 | .684 | ---- | 4 | 91 | UNCH | 36.80B | 9.00A |
| 1670 | 25.30 | 41.00B | 22.20A | ---- | 40.60+ | 17.00 | .649 | ---- | 1 | 102 - | 1 | 185.30B | 11.80A |
| 1675 | ---- | #47.30B | 27.90A | ---- | 47.10+ | 17.90 | .655 | ---- | ---- | 14 | UNCH | 47.30B | 27.90A |
| 1675 | 21.70 | #35.60B | 13.70A | ---- | 35.20+ | 19.70 | .797 | ---- | 10 | 10 - | 2 | 35.60B | 6.90A |
| 1675 | ---- | 47.80B | 29.90A | ---- | 48.50+ | 17.90 | .647 | ---- | ---- | 1 | UNCH | 140.00B | 16.40A |
| 1675 | 21.20 | #40.00B | 19.40A | ---- | 39.60+ | 18.70 | .722 | ---- | 9 | 13 + | 7 | 40.00B | 9.80A |
| 1675 | ---- | 44.00B | 24.10A | ---- | 43.60+ | 18.10 | .681 | ---- | ---- | 42 | UNCH | 190.10B | 12.80A |
| 1680 | 21.70 | #38.30B | 15.90A | ---- | 39.00+ | 21.20 | .838 | ---- | 24 | 77 + | 5 | 38.30B | 7.70A |
| 1680 | ---- | #43.50B | 21.50A | ---- | 43.00+ | 19.90 | .758 | ---- | ---- | 12 | UNCH | 43.50B | 10.80A |
| 1680 | ---- | 50.70B | 31.90A | ---- | 51.40+ | 18.70 | .673 | ---- | ---- | 2 | UNCH | 144.60B | 17.60A |
| 1680 | ---- | 47.10B | 26.10A | ---- | 46.70+ | 19.20 | .713 | ---- | ---- | 6 | UNCH | 194.20B | 13.80A |
| 1685 | 36.90 | #53.50B | 32.10A | ---- | 53.20+ | 19.80 | .710 | ---- | 5 | 9 + | 5 | 53.50B | 32.00A |
| 1685 | 19.10 | #42.30B | 18.50A | ---- | 43.10+ | 22.80 | .874 | ---- | 17 | 22 + | 12 | 42.30B | 8.60A |
| 1685 | 27.50 | #47.10B | 23.80A | ---- | 46.60+ | 21.20 | .792 | ---- | 5 | 31 | UNCH | 47.10B | 11.80A |
| 1685 | ---- | 50.50B | 28.30A | ---- | 50.00+ | 20.20 | .742 | ---- | ---- | 26 | UNCH | 198.60B | 14.90A |
| 1685 | ---- | 53.60B | 34.10A | ---- | 54.50+ | 19.60 | .700 | ---- | ---- | 1 | UNCH | 149.10B | 18.80A |
| 1690 | 37.90 | #56.90B | 34.50A | ---- | 56.60 | NEW | .737 | ---- | 1 | 1 + | 1 | 56.90B | 34.30A |
| 1690 | ---- | #46.20B | 21.30A | ---- | 47.40+ | 24.30 | .904 | ---- | ---- | 8 | UNCH | 46.20B | 9.70A |
| 1690 | 30.30 | #49.80B | 26.40A | ---- | 50.40+ | 22.30 | .823 | ---- | 3 | 13 | UNCH | 49.80B | 13.00A |
| 1690 | ---- | 54.00B | 30.80A | ---- | 53.50+ | 21.30 | .772 | ---- | ---- | 48 | UNCH | 203.20B | 16.20A |
| 1695 | 40.60 | #60.40B | 37.00A | ---- | 60.00 | NEW | .763 | ---- | 3 | 3 + | 3 | 60.40B | 36.70A |
| 1695 | ---- | #50.60B | 24.50A | ---- | 51.90+ | 25.60 | .927 | ---- | ---- | 29 | UNCH | 50.60B | 10.90A |
| 1695 | ---- | #53.70B | 29.30A | ---- | 54.40+ | 23.50 | .851 | ---- | ---- | 22 | UNCH | 53.70B | 14.30A |
| 1695 | 34.10 | 57.70B | 33.40A | ---- | 57.20+ | 22.30 | .800 | ---- | 3 | 13 + | 3 | 207.70B | 17.60A |
| 1700 | ---- | #55.20B | 28.10A | ---- | 56.60+ | 26.80 | .945 | ---- | ---- | 17 | UNCH | 55.20B | 12.40A |
| 1700 | ---- | #57.90B | 32.40A | ---- | 58.60+ | 24.60 | .876 | ---- | ---- | 5 | UNCH | 57.90B | 15.80A |
| 1700 | ---- | 63.70B | 42.30A | ---- | 64.70+ | 22.20 | .775 | ---- | ---- | 1 | UNCH | 162.60B | 23.20A |
| 1700 | 52.80 | 60.20B | 36.20A | ---- | 61.10+ | 23.40 | .825 | ---- | 1 | 15 | UNCH | 212.70B | 17.10 |
| 1705 | ---- | #59.90B | 33.30A | ---- | 61.30+ | 27.70 | .958 | ---- | ---- | 5 | UNCH | 59.90B | 14.00A |
| 1705 | ---- | 64.20B | 39.30A | ---- | 65.10+ | 24.30 | .850 | ---- | ---- | 30 | UNCH | 216.90B | 20.80A |
| 1710 | ---- | #64.70B | ---- | ---- | 66.20+ | 28.40 | .966 | ---- | ---- | 4 | UNCH | 64.70B | 15.80A |
| 1710 | ---- | 71.20B | 48.30A | ---- | 72.20+ | 23.80 | .821 | ---- | ---- | 7 | UNCH | 172.10B | 26.80A |
| 1710 | ---- | 68.50B | 42.60A | ---- | 69.30+ | 25.20 | .871 | ---- | ---- | 10 | UNCH | 221.90B | 22.60A |
| 1715 | ---- | 72.40B | 46.10A | ---- | 73.60+ | 26.00 | .889 | ---- | ---- | 14 | UNCH | 226.50B | 24.60A |
| 1720 | 75.70 | 79.10B | 75.70 | ---- | 80.30 | NEW | .862 | ---- | 2 | 1 + | 1 | 181.90B | 31.10A |
| 1720 | ---- | #75.30B | 48.60A | ---- | 76.80+ | 28.00 | .944 | ---- | ---- | 3 | UNCH | 75.30B | 23.60A |
| 1720 | ---- | 76.80B | 50.90A | ---- | 78.10+ | 26.80 | .907 | ---- | ---- | 10 | UNCH | 231.30B | 26.80A |
| 1740 | ---- | 95.20B | ---- | ---- | 96.70+ | 28.90 | .952 | ---- | ---- | 33 | UNCH | 250.00B | 37.70A |
| 1745 | ---- | 100.00B | ---- | ---- | 101.50+ | 29.20 | .959 | ---- | ---- | 2 | UNCH | 254.70B | 40.90A |
| TOTAL | | | | | | | | | 1098 | 8253 + | 492 | | |
| AUG18 | RTM EOM | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1050 | ---- | .45B | ---- | ---- | .60+ | 0.20 | .005 | ---- | ---- | 46 | UNCH | 2.40B | .45A |
| 1125 | ---- | .85B | ---- | ---- | .95+ | 0.30 | .009 | ---- | ---- | 180 | UNCH | 3.70B | .50A |
| 1150 | ---- | 1.00B | ---- | ---- | 1.10+ | 0.30 | .010 | ---- | ---- | 7 | UNCH | 4.20B | .60A |
| 1200 | 1.40 | 1.40 | 1.40 | ---- | 1.45+ | 0.40 | .014 | ---- | 90 | 90 + | 89 | 5.70B | .80A |
| 1225 | ---- | 1.65B | ---- | ---- | 1.70+ | 0.50 | .017 | ---- | ---- | 7 | UNCH | 6.60B | .95A |
| 1230 | ---- | 1.70B | ---- | ---- | 1.75+ | 0.50 | .018 | ---- | ---- | 83 | UNCH | 6.80B | .70 |
| 1240 | ---- | 1.80B | ---- | ---- | 1.85+ | 0.50 | .019 | ---- | 6 | 143 + | 1 | 7.30B | .90A |
| 1250 | ---- | 2.55B | ---- | ---- | 2.80+ | 0.70 | .027 | ---- | ---- | 2 | UNCH | 2.60 | 1.55A |
| 1250 | ---- | 1.90B | ---- | ---- | 1.95+ | 0.55 | .020 | ---- | 50 | 54 + | 50 | 7.70B | .95A |
| 1260 | ---- | 2.00B | ---- | ---- | 2.10+ | 0.60 | .022 | ---- | ---- | 22 | UNCH | 8.20B | 1.20A |
| 1275 | ---- | 2.20B | 1.60A | ---- | 2.30+ | 0.65 | .024 | ---- | ---- | 8 | UNCH | 9.10B | 1.15A |
| 1280 | ---- | 2.30B | 1.65A | ---- | 2.35+ | 0.65 | .025 | ---- | ---- | 100 | UNCH | 9.30B | 1.00A |
| 1300 | ---- | 2.60B | ---- | ---- | 2.65+ | 0.75 | .029 | ---- | ---- | 45 | UNCH | 10.60B | 1.15A |
| 1380 | ---- | 4.40B | 3.10A | ---- | 4.50+ | 1.30 | .052 | ---- | ---- | 1 | UNCH | 18.00B | 1.95A |
| 1400 | ---- | 5.10B | 3.50A | ---- | 5.20+ | 1.55 | .061 | ---- | ---- | 4 | UNCH | 20.60B | 2.20A |
| 1420 | ---- | 5.90B | 4.00A | ---- | 6.00+ | 1.85 | .072 | ---- | ---- | 2 | UNCH | 23.60B | 2.60A |
| 1430 | ---- | 6.40B | 4.30A | ---- | 6.50+ | 2.05 | .078 | ---- | ---- | 4 | UNCH | 25.30B | 2.70A |
| 1440 | ---- | 6.90B | 4.60A | ---- | 7.00+ | 2.20 | .085 | ---- | ---- | 8 | UNCH | 27.10B | 2.90A |
| 1450 | 6.80 | 7.50B | 5.00A | ---- | 7.60+ | 2.40 | .092 | ---- | 1 | 32 - | 1 | 29.10B | 3.10A |
| 1450 | ---- | #10.00B | 7.30A | ---- | 10.20+ | 2.80 | .110 | ---- | ---- | 1 | UNCH | 10.00B | 4.65A |
| 1460 | 6.00 | 8.10B | 5.40A | ---- | 8.20+ | 2.60 | .100 | ---- | 11 | 202 - | 1 | 31.20B | 3.40A |
| 1460 | ---- | #10.70B | 7.80A | ---- | 10.90+ | 3.00 | .119 | ---- | ---- | 2 | UNCH | 10.70B | 4.95A |
| 1465 | ---- | 8.50B | 5.60A | ---- | 8.50+ | 2.70 | .104 | ---- | ---- | 1 | UNCH | 32.30B | 3.50A |
| 1470 | ---- | 8.80B | 5.80A | ---- | 8.90+ | 2.90 | .109 | ---- | ---- | 10 | UNCH | 33.50B | 3.60A |
| 1475 | ---- | 9.20B | 6.00A | ---- | 9.20+ | 3.00 | .113 | ---- | ---- | 58 | UNCH | 34.70B | 3.70A |
| 1480 | ---- | 9.60B | 6.30A | ---- | 9.60+ | 3.10 | .119 | ---- | ---- | 9 | UNCH | 36.00B | 3.90A |
| 1485 | ---- | 10.00B | 6.50A | ---- | 10.00+ | 3.20 | .124 | ---- | ---- | 1 | UNCH | 37.30B | 4.00A |
| 1490 | ---- | 10.40B | 6.80A | ---- | 10.40+ | 3.40 | .129 | ---- | ---- | 3 | UNCH | 38.60B | 4.20A |
| 1500 | ---- | #14.50B | 10.30A | ---- | 14.60+ | 4.10 | .161 | ---- | ---- | 1 | UNCH | 14.50B | 6.40A |
| 1500 | ---- | 11.30B | 7.40A | ---- | 11.30+ | 3.70 | .141 | ---- | 25 | 31 + | 25 | 41.50B | 4.50A |
| 1510 | ---- | 12.30B | 8.00A | ---- | 12.30+ | 4.00 | .153 | ---- | ---- | 9 | UNCH | 44.60B | 4.90A |
| 1515 | ---- | 12.90B | 8.30A | ---- | 12.80+ | 4.20 | .160 | ---- | ---- | 9 | UNCH | 46.20B | 5.10A |
| 1520 | ---- | #16.90B | 12.00A | ---- | 17.00+ | 4.90 | .188 | ---- | ---- | 1 | UNCH | 16.90B | 7.40A |
| 1520 | ---- | 13.40B | 8.70A | ---- | 13.40+ | 4.40 | .167 | ---- | ---- | 764 | UNCH | 47.90B | 5.30A |
| 1525 | ---- | 14.00B | 9.10A | ---- | 14.00+ | 4.60 | .175 | ---- | ---- | 12 | UNCH | 49.60B | 5.50A |
| 1530 | ---- | #18.30B | 12.90A | ---- | 18.40+ | 5.30 | .203 | ---- | ---- | 1 | UNCH | 18.30B | 7.90A |
| 1535 | ---- | 15.30B | 9.90A | ---- | 15.30+ | 5.10 | .191 | ---- | ---- | 33 | UNCH | 53.40B | 5.90A |
| 1545 | ---- | 16.70B | 10.80A | ---- | 16.70+ | 5.50 | .208 | ---- | ---- | 27 | UNCH | 57.80B | 6.50A |
| 1550 | ---- | 17.50B | 11.30A | ---- | 17.40+ | 5.70 | .217 | ---- | 1 | 83 | UNCH | 60.10B | 6.70 |
| 1555 | ---- | 18.30B | 11.80A | ---- | 18.20+ | 6.00 | .227 | ---- | ---- | 5 | UNCH | 62.50B | 7.00A |
| 1560 | ---- | #23.20B | 16.20A | ---- | 23.30+ | 6.80 | .256 | ---- | ---- | 1 | UNCH | 23.20B | 9.90A |
| 1560 | ---- | 19.10B | 12.30A | ---- | 19.00+ | 6.20 | .237 | ---- | ---- | 10 | UNCH | 65.00B | 7.30A |
| 1565 | ---- | 20.00B | 12.90A | ---- | 19.90+ | 6.50 | .248 | ---- | ---- | 25 | UNCH | 67.60B | 7.60A |
| 1570 | ---- | 20.90B | 13.50A | ---- | 20.80+ | 6.80 | .259 | ---- | ---- | 49 | UNCH | 70.20B | 7.90A |
| 1575 | ---- | 21.90B | 14.10A | ---- | 21.80+ | 7.20 | .271 | ---- | ---- | 53 | UNCH | 72.50B | 8.30A |
| 1580 | ---- | 22.90B | 14.80A | ---- | 22.80+ | 7.50 | .283 | ---- | ---- | 11 | UNCH | 75.30B | 8.60A |
| 1585 | ---- | 24.00B | 15.50A | ---- | 23.90+ | 7.80 | .295 | ---- | ---- | 28 | UNCH | 78.60B | 9.00A |
| 1590 | ---- | 25.10B | 16.20A | ---- | 25.00+ | 8.10 | .308 | ---- | 1 | 4 + | 1 | 81.20B | 9.40A |
| 1595 | ---- | 26.30B | 17.00A | ---- | 26.20+ | 8.50 | .322 | ---- | ---- | 14 | UNCH | 84.70B | 9.90A |
| 1600 | ---- | #32.30B | 22.50A | ---- | 32.40+ | 9.50 | .349 | ---- | ---- | 1 | UNCH | 32.30B | 13.60A |
| 1600 | 26.00 | 27.60B | 17.90A | ---- | 27.40+ | 8.90 | .336 | ---- | 1 | 121 + | 1 | 87.80B | 10.30A |
| 1605 | ---- | 28.90B | 18.70A | ---- | 28.70+ | 9.30 | .351 | ---- | ---- | 89 | UNCH | 90.90B | 10.90A |
| 1610 | ---- | 30.30B | 19.70A | ---- | 30.10+ | 9.70 | .366 | ---- | ---- | 31 | UNCH | 93.90B | 11.40A |
| 1615 | ---- | 31.80B | 20.60A | ---- | 31.60+ | 10.20 | .382 | ---- | ---- | 47 | UNCH | 97.40B | 11.90A |
| 1620 | ---- | 33.30B | 21.60A | ---- | 33.10+ | 10.70 | .399 | ---- | ---- | 44 | UNCH | 101.40B | 12.50A |
| 1625 | ---- | 34.90B | 22.70A | ---- | 34.70+ | 11.20 | .416 | ---- | ---- | 1 | UNCH | 104.50B | 13.20A |
| 1630 | ---- | 36.60B | 23.80A | ---- | 36.40+ | 11.70 | .433 | ---- | ---- | 36 | UNCH | 107.80B | 13.80A |
| 1635 | ---- | 38.40B | 25.00A | ---- | 38.10+ | 12.20 | .451 | ---- | ---- | 14 | UNCH | 111.50B | 14.60A |
| 1640 | ---- | 40.30B | 26.30A | ---- | 40.00+ | 12.80 | .470 | ---- | ---- | 25 | UNCH | 115.50B | 15.30A |
| 1645 | ---- | 42.30B | 27.70A | ---- | 41.90+ | 13.40 | .489 | ---- | ---- | 17 | UNCH | 119.20B | 16.10A |
| 1650 | ---- | #49.40B | 34.80A | ---- | 49.50+ | 14.30 | .505 | ---- | ---- | 3 | UNCH | 49.40B | 21.20A |
| 1650 | 38.50 | 44.30B | 29.10A | ---- | 44.00+ | 14.00 | .509 | ---- | 4 | 34 + | 4 | 123.50B | 17.00A |
| 1655 | ---- | 46.50B | 30.60A | ---- | 46.10+ | 14.60 | .529 | ---- | ---- | 22 | UNCH | 127.60B | 17.90A |
| 1660 | ---- | 48.80B | 32.20A | ---- | 48.40+ | 15.30 | .550 | ---- | ---- | 22 | UNCH | 131.50B | 18.80A |
| 1670 | ---- | 53.70B | 35.70A | ---- | 53.30+ | 16.70 | .592 | ---- | ---- | 20 | UNCH | 140.30B | 21.00A |
| 1675 | ---- | 56.30B | 37.60A | ---- | 55.90+ | 17.40 | .613 | ---- | ---- | 25 | UNCH | 144.60B | 22.10A |
| 1680 | ---- | 59.00B | 39.60A | ---- | 58.60+ | 18.00 | .635 | ---- | 2 | 16 - | 2 | 149.00B | 23.40A |
| 1685 | ---- | 61.90B | 41.70A | ---- | 61.50+ | 18.80 | .656 | ---- | ---- | 107 | UNCH | 153.60B | 24.70A |
| 1690 | ---- | #68.60B | 50.10A | ---- | 69.40+ | 19.00 | .653 | ---- | ---- | 1 | UNCH | 68.60B | 31.20A |
| 1690 | ---- | 64.90B | 44.00A | ---- | 64.40+ | 19.40 | .678 | ---- | ---- | 33 | UNCH | 158.00B | 26.20A |
| 1695 | ---- | #71.60B | 52.50A | ---- | 72.40+ | 19.70 | .672 | ---- | ---- | 1 | UNCH | 71.60B | 32.80A |
| 1700 | ---- | 71.30B | 48.90A | ---- | 70.80+ | 20.80 | .720 | ---- | ---- | 1 | UNCH | 166.80B | 29.40A |
| 1710 | ---- | 78.20B | 54.30A | ---- | 77.70+ | 22.20 | .761 | ---- | ---- | 2 | UNCH | 176.40B | 33.00A |
| TOTAL | | | | | | | | | 192 | 3009 + | 167 | | |
| OCT18 | RTM EOM | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1400 | ---- | 13.50B | 10.40A | ---- | 13.70 | NEW | .111 | ---- | 20 | 20 + | 20 | 15.40B | 7.00A |
| 1450 | ---- | 18.10B | ---- | ---- | 18.20+ | 4.30 | .149 | ---- | ---- | 36 | UNCH | 20.90B | 9.20A |
| 1460 | 18.20 | 19.20B | 18.20 | ---- | 19.30 | NEW | .158 | ---- | 1 | 1 + | 1 | 22.20B | 9.80A |
| 1500 | ---- | 24.50B | 18.60A | ---- | 24.50+ | 5.80 | .201 | ---- | ---- | 44 | UNCH | 28.60B | 12.40A |
| 1600 | ---- | 45.70B | 34.90A | ---- | 45.60+ | 10.60 | .364 | ---- | ---- | 1 | UNCH | 54.60B | 23.30A |
| 1725 | ---- | 101.50B | 80.00A | ---- | 101.10+ | 20.90 | .690 | ---- | ---- | 1 | UNCH | 121.30B | 57.40A |
| 1775 | ---- | 135.50B | 111.20A | ---- | 136.60+ | 25.10 | .820 | ---- | ---- | 22 | UNCH | 160.80B | 83.20A |
| 1785 | ---- | #143.60B | 118.40A | ---- | 144.60+ | 25.90 | .843 | ---- | ---- | 29 | UNCH | 143.60B | 89.40A |
| 1790 | ---- | 147.70B | 122.20A | ---- | 148.70+ | 26.20 | .853 | ---- | ---- | 23 | UNCH | 173.70B | 92.60A |
| 1815 | ---- | #168.90B | ---- | ---- | 170.10+ | 27.70 | .898 | ---- | ---- | 14 | UNCH | 168.90B | 110.30A |
| TOTAL | | | | | | | | | 21 | 191 + | 21 | | |

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**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



E-MINI S&P 500 FIXING PRICE (ESF): Sep19 2702.24

OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| EMINI S&P CALL | E-MINI S&P 500 OPTIONS | | | | | | |
| SEP18 CALL | | | | | | | |
| EZ | 1000 | ---- | ---- | ---- | ---- | 1 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 1 | 0 |
| MAR19 CALL | | | | | | | |
| EZ | 1625 | ---- | ---- | ---- | ---- | 70 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 70 | 0 |
| EMINI S&P PUT | E-MINI S&P 500 OPTIONS | | | | | | |
| SEP18 PUT | | | | | | | |
| EZ | 3070 | ---- | ---- | ---- | ---- | 427 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 427 | 0 |
| MDW MID | E-MINI S&P 500 WEDNESDAY WEEKLY OPT | | | | | | |
| JUN18 CALL | | | | | | | |
| E4C | 2625 | ---- | ---- | ---- | 1 | 1 | 0.00 |
| E4C | 2650 | ---- | ---- | ---- | 2 | 2 | 0.00 |
| E4C | 2655 | ---- | ---- | ---- | 2 | 2 | 0.00 |
| E4C | 2665 | ---- | ---- | ---- | 20 | 20 | 0.00 |
| E4C | 2670 | ---- | ---- | ---- | 2 | 2 | 0.00 |
| E4C | 2675 | ---- | ---- | ---- | 5 | 5 | 0.00 |
| E4C | 2680 | ---- | ---- | ---- | 17 | 17 | 0.00 |
| E4C | 2685 | ---- | ---- | ---- | 9 | 9 | 0.00 |
| E4C | 2690 | ---- | ---- | ---- | 23 | 23 | 0.00 |
| E4C | 2695 | ---- | ---- | ---- | 2 | 2 | 0.00 |
| E4C | 2700 | ---- | ---- | ---- | 81 | 81 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 164 | 164 | 0 |
| MDW MID | E-MINI S&P 500 WEDNESDAY WEEKLY OPT | | | | | | |
| JUN18 PUT | | | | | | | |
| E4C | 2705 | ---- | ---- | ---- | 1414 | 1414 | 0.00 |
| E4C | 2710 | ---- | ---- | ---- | 1378 | 1378 | 0.00 |
| E4C | 2715 | ---- | ---- | ---- | 1896 | 1896 | 0.00 |
| E4C | 2720 | ---- | ---- | ---- | 1170 | 1170 | 40.00 |
| E4C | 2725 | ---- | ---- | ---- | 1259 | 1259 | 0.00 |
| E4C | 2730 | ---- | ---- | ---- | 1158 | 1158 | 0.00 |
| E4C | 2735 | ---- | ---- | ---- | 1101 | 1101 | 0.00 |
| E4C | 2740 | ---- | ---- | ---- | 1272 | 1272 | 40.00 |
| E4C | 2745 | ---- | ---- | ---- | 860 | 860 | 0.00 |
| E4C | 2750 | ---- | ---- | ---- | 1266 | 1266 | 0.00 |
| E4C | 2755 | ---- | ---- | ---- | 388 | 388 | 0.00 |
| E4C | 2760 | ---- | ---- | ---- | 477 | 477 | 0.00 |
| E4C | 2765 | ---- | ---- | ---- | 592 | 592 | 0.00 |
| E4C | 2770 | ---- | ---- | ---- | 105 | 105 | 0.00 |
| E4C | 2775 | ---- | ---- | ---- | 64 | 64 | 0.00 |
| E4C | 2780 | ---- | ---- | ---- | 11 | 11 | 0.00 |
| E4C | 2785 | ---- | ---- | ---- | 78 | 78 | 0.00 |
| E4C | 2790 | ---- | ---- | ---- | 36 | 36 | 0.00 |
| E4C | 2795 | ---- | ---- | ---- | 17 | 17 | 0.00 |
| E4C | 2800 | ---- | ---- | ---- | 59 | 59 | 0.00 |
| E4C | 2805 | ---- | ---- | ---- | 50 | 50 | 0.00 |
| E4C | 2810 | ---- | ---- | ---- | 4 | 4 | 0.00 |
| TOTALS | | 80 | 0 | 0 | 14655 | 14655 | 80 |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $12.50 PRODCUT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### S&P 500 CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| EOM S&P 500 OPT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | | | |
| EOW1 S&P 500 OPT | 06/01 | 07/06 | 08/03 | | | | | | |
| EOW2 S&P 500 OPT | 06/08 | 07/13 | | | | | | | |
| EOW4 S&P 500 OPT | 06/22 | 07/27 | | | | | | | |
| S&P 500 OPT | 06/14 | | | 09/20 | | | 12/20 | 03/14 | 06/20 |
| S&P 500 FUT | 06/14 | | | 09/20 | | | 12/20 | 03/14 | 06/20 |

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|
| BTC FUT | 06/29 | 07/27 | 08/31 | 09/28 | | | |
| EI FUT | | | | 09/21 | | | |
| ENY FUT | | | | 09/13 | | | |
| EOW3 S&P 500 OPT | | 07/20 | 08/17 | | | | |
| FT1 FUT | | | | 09/21 | | | |
| FT5 FUT | | | | 09/21 | | | |
| FTU FUT | | | | 09/21 | | | |
| RS1 FUT | | | | 09/21 | | | |
| RSG FUT | | | | 09/21 | | | |
| RSV FUT | | | | 09/21 | | | |
| | | 07/02 | | | | | |
| | 06/27 | | | | | | |
| SDA FUT | | | | | 12/21 | | |
| SDI FUT | | | | 09/21 | 12/21 | 03/15 | 06/21 |
| TPY FUT | | | | 09/13 | | | |
| TRI FUT | | | | 09/21 | 12/21 | 03/15 | 06/21 |

### S&P 500 OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| EV | 100-4225 | 100-4225 | 100-4225 | 100-4225 | 100-4225 | 100-4225 | | | |
| EV1 | 100-4200 | 100-4225 | 100-4225 | | | | | | |
| EV2 | 100-4200 | 100-4225 | | | | | | | |
| EV4 | 100-4225 | 100-4225 | | | | | | | |
| OS | 100-4200 | | | 100-4225 | | | 100-4225 | 1150-4225 | 1225-4225 |

| | JUN18 | JUL18 | AUG18 | OCT18 |
|---|---|---|---|---|
| EV3 | | 100-4225 | 100-4225 | 100-4225 |
| S1A | | 100-4225 | | |
| S4C | 100-4225 | | | |

### S&P 500 FUTURES

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S&P 500 FUT | | | | | | | | | | | | |
| SEP18 | 2732.30 @2731.50 | 2747.80 | 2703.00 | 2704.30A | 2704.90 | - 2360 | 2497 | 135 | 55482 + | 997 | 2881.40B | 2076.00A |
| DEC18 | ---- | 2750.00B | 2708.00A | 2708.00A | 2708.10 | - 2390 | ---- | ---- | 300 | UNCH | 2886.80B | 1781.70A |
| | | | | | | | 2362 | 135 | 55782 + | 997 | | |

E-MINI S&P 500 FIXING PRICE (ESF): Sep19 2702.24

### WK EV-W1 S&p 500 CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW1 S&P 500 C | | | | | | | | | | | | | |
| JUL18 | EOW1 S&P 500 C | (FUTURES SETT. | .00) | | | | | | | | | | |
| 2740 | ---- | ---- | ---- | 15.60N | 9.30- | 630 | .260 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2780 | ---- | ---- | ---- | 2.60N | 1.40- | 120 | .055 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2785 | ---- | ---- | ---- | 1.95N | 1.05+ | NEW | .043 | ---- | 2 | 2 + | 2 | ---- | ---- |
| 2800 | ---- | ---- | ---- | 0.85N | .40- | 45 | .017 | ---- | 1 | 151 + | 1 | ---- | ---- |
| 2805 | ---- | ---- | ---- | 0.65N | .30- | 35 | .013 | ---- | 1 | 137 + | 1 | ---- | ---- |
| 2810 | ---- | ---- | ---- | 0.50N | .25+ | NEW | .011 | ---- | 4 | 4 + | 4 | ---- | ---- |
| 2820 | ---- | ---- | ---- | 0.35N | .15- | 20 | .006 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2825 | ---- | ---- | ---- | 0.25N | .10- | 15 | .004 | ---- | ---- | 298 | UNCH | ---- | ---- |
| 2830 | ---- | ---- | ---- | 0.25N | .05- | 20 | .002 | ---- | ---- | 136 | UNCH | ---- | ---- |
| 2835 | ---- | ---- | ---- | 0.20N | .05- | 15 | .001 | ---- | ---- | 256 | UNCH | ---- | ---- |
| 2840 | ---- | ---- | ---- | 0.15N | .05- | 10 | .001 | ---- | ---- | 890 | UNCH | .15 | .15 |
| 2845 | ---- | ---- | ---- | 0.15N | CAB | ---- | .000 | ---- | ---- | 70 | UNCH | ---- | ---- |
| 2855 | ---- | ---- | ---- | 0.10N | CAB | ---- | .000 | ---- | ---- | 50 | UNCH | ---- | .15A |
| 2860 | ---- | ---- | ---- | 0.10N | CAB | ---- | .000 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 2930 | ---- | ---- | ---- | 0.05N | CAB | ---- | ---- | ---- | ---- | 60 | UNCH | ---- | ---- |
| 3000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 8 | 2294 + | 8 | | |

### WK EV-W2 S&p 500 CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW2 S&P 500 C | | | | | | | | | | | | | |
| JUL18 | EOW2 S&P 500 C | (FUTURES SETT. | .00) | | | | | | | | | | |
| 2810 | ---- | ---- | ---- | 1.75N | 1.10+ | NEW | .039 | ---- | 4 | 4 + | 4 | ---- | ---- |
| 2830 | ---- | ---- | ---- | 0.75N | .45- | 30 | .017 | ---- | ---- | 137 | UNCH | ---- | ---- |
| 2840 | ---- | ---- | ---- | 0.55N | .30- | 25 | .012 | ---- | ---- | 136 | UNCH | ---- | ---- |
| 2845 | ---- | ---- | ---- | 0.45N | .25- | 20 | .010 | ---- | ---- | 51 | UNCH | 7.50 | 7.50 |
| 2850 | ---- | ---- | ---- | 0.40N | .20+ | NEW | .008 | ---- | 1 | 1 + | 1 | ---- | ---- |
| 2900 | ---- | ---- | ---- | 0.15N | .05- | 10 | .001 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 3120 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | ---- | ---- |
| 3125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 5 | 439 + | 5 | | |

### WK EV-W4 S&P 500 CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW4 S&P 500 C | | | | | | | | | | | | | |
| JUL18 | EOW4 S&P 500 C | (FUTURES SETT. | .00) | | | | | | | | | | |
| 2790 | ---- | ---- | ---- | 9.70N | 7.00- | 270 | .157 | ---- | ---- | 137 | UNCH | ---- | ---- |
| 2850 | ---- | ---- | ---- | 1.35N | 1.00+ | NEW | .031 | ---- | 8 | 8 + | 8 | ---- | ---- |
| TOTAL | | | | | | | | | 8 | 145 + | 8 | | |

### S&P 500 CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S&P 500 CALL | | | | | | | | | | | | | |
| SEP18 | S&P 500 CALL | (FUTURES SETT. | 2704.90 - | 2360 ) | | | | | | | | | |
| 2300 | ---- | ---- | ---- | 437.30N | 415.90- | 2140 | .921 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2320 | ---- | ---- | ---- | 418.10N | 397.00- | 2110 | .914 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 228.80N | 211.30- | 1750 | .786 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 206.90N | 190.20- | 1670 | .760 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 2570 | ---- | ---- | ---- | 189.70N | 173.70- | 1600 | .737 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 164.80N | 149.50- | 1530 | .698 | ---- | ---- | 4 | UNCH | 141.00 | 141.00 |
| 2660 | ---- | ---- | ---- | 117.40N | 104.30- | 1310 | .603 | ---- | ---- | 13 | UNCH | ---- | ---- |
| 2670 | ---- | ---- | ---- | 110.00N | 97.30- | 1270 | .584 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2680 | ---- | ---- | ---- | 102.70N | 90.50- | 1220 | .565 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2690 | ---- | ---- | ---- | 95.60N | 83.80- | 1180 | .545 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2695 | ---- | ---- | ---- | 92.10N | 80.40- | 1170 | .534 | ---- | ---- | 2 | UNCH | ---- | ---- |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2700 | ---- | ---- | ---- | 88.60N | 77.10- | 1150 | .524 | ---- | ---- | 285 | UNCH | 99.50 | 83.00 |
| 2710 | ---- | ---- | ---- | 81.70N | 70.60- | 1110 | .502 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2715 | ---- | ---- | ---- | 78.30N | 67.50- | 1080 | .490 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2725 | ---- | ---- | ---- | 71.70N | 61.50- | 1020 | .467 | ---- | ---- | 75 | UNCH | ---- | ---- |
| 2730 | ---- | ---- | ---- | 68.40N | 58.60- | 980 | .455 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2735 | ---- | ---- | ---- | 65.20N | 55.80- | 940 | .443 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2740 | ---- | ---- | ---- | 62.00N | 53.00- | 900 | .431 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2745 | ---- | ---- | ---- | 59.00N | 50.20- | 880 | .419 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 55.90N | 47.50- | 840 | .406 | ---- | 50 | 490 + | 100 | 71.80B | ---- |
| 2755 | ---- | ---- | ---- | 53.00N | 44.90- | 810 | .393 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2760 | ---- | ---- | ---- | 50.20N | 42.30- | 790 | .380 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2765 | ---- | ---- | ---- | 47.50N | 39.90- | 760 | .367 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2770 | ---- | ---- | ---- | 44.80N | 37.50- | 730 | .354 | ---- | ---- | 28 | UNCH | ---- | ---- |
| 2775 | ---- | ---- | ---- | 42.30N | 35.30- | 700 | .341 | ---- | ---- | 176 | UNCH | ---- | ---- |
| 2780 | ---- | ---- | ---- | 39.80N | 33.10- | 670 | .328 | ---- | ---- | 103 | UNCH | 66.00 | 66.00 |
| 2785 | ---- | ---- | ---- | 37.40N | 30.90- | 650 | .315 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2800 | ---- | ---- | ---- | 30.50N | 24.90- | 560 | .275 | ---- | 100 | 363 + | 100 | 73.50 | 41.50 |
| 2805 | ---- | ---- | ---- | 28.30N | 23.00- | 530 | .261 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2820 | ---- | ---- | ---- | 22.50N | 18.00- | 450 | .222 | ---- | ---- | 7 | UNCH | 43.00 | 43.00 |
| 2825 | ---- | ---- | ---- | 20.70N | 16.60- | 410 | .209 | ---- | ---- | 153 | UNCH | ---- | ---- |
| 2830 | ---- | ---- | ---- | 19.10N | 15.20- | 390 | .197 | ---- | ---- | 143 | UNCH | 73.00 | 19.00 |
| 2840 | ---- | ---- | ---- | 16.10N | 12.80- | 330 | .174 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2845 | ---- | ---- | ---- | 14.70N | 11.60- | 310 | .162 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2850 | ---- | ---- | ---- | 13.40N | 10.60- | 280 | .152 | ---- | ---- | 647 | UNCH | 53.00 | 13.10 |
| 2855 | ---- | ---- | ---- | 12.20N | 9.60- | 260 | .141 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 2860 | ---- | ---- | ---- | 11.10N | 8.70- | 240 | .131 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2875 | ---- | ---- | ---- | 8.30N | 6.50- | 180 | .105 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 2880 | ---- | ---- | ---- | 7.50N | 5.90- | 160 | .097 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2885 | ---- | ---- | ---- | 6.70N | 5.40- | 130 | .090 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2890 | ---- | ---- | ---- | 6.10N | 4.90- | 120 | .083 | ---- | ---- | 5 | UNCH | 40.30 | 40.30 |
| 2900 | ---- | ---- | ---- | 5.00N | 4.05- | 95 | .071 | ---- | ---- | 296 | UNCH | 13.10 | 13.10 |
| 2910 | ---- | ---- | ---- | 4.10N | 3.35- | 75 | .061 | ---- | ---- | 145 | UNCH | 93.40 | 65.00 |
| 2920 | ---- | ---- | ---- | 3.40N | 2.75- | 65 | .051 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2925 | ---- | ---- | ---- | 3.10N | 2.50- | 60 | .047 | ---- | ---- | 1006 | UNCH | 6.50 | 5.30 |
| 2930 | ---- | ---- | ---- | 2.85N | 2.30- | 55 | .044 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2935 | ---- | ---- | ---- | 2.60N | 2.10- | 50 | .040 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2940 | ---- | ---- | ---- | 2.35N | 1.95- | 40 | .038 | ---- | ---- | 251 | UNCH | ---- | ---- |
| 2950 | ---- | ---- | ---- | 2.00N | 1.65- | 35 | .032 | ---- | ---- | 1865 | UNCH | 13.00 | 13.00 |
| 2970 | ---- | ---- | ---- | 1.45N | 1.20- | 25 | .024 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2975 | ---- | ---- | ---- | 1.35N | 1.10- | 25 | .022 | ---- | ---- | 1200 | UNCH | ---- | ---- |
| 2990 | ---- | ---- | ---- | 1.10N | .90- | 20 | .018 | ---- | ---- | 501 | UNCH | ---- | ---- |
| 3000 | ---- | ---- | ---- | 0.95N | .75- | 20 | .015 | ---- | ---- | 2573 | UNCH | 52.70 | 2.10 |
| 3030 | ---- | ---- | ---- | 0.65N | .55- | 10 | .011 | ---- | ---- | 2000 | UNCH | ---- | ---- |
| 3040 | ---- | ---- | ---- | 0.55N | .45- | 10 | .009 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 3060 | ---- | ---- | ---- | 0.45N | .35- | 10 | .007 | ---- | ---- | 2000 | UNCH | ---- | ---- |
| 3070 | ---- | ---- | ---- | 0.40N | .35- | 5 | .007 | ---- | ---- | 1 | UNCH | 31.80 | 31.80 |
| 3090 | ---- | ---- | ---- | 0.35N | .25- | 10 | .005 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 3100 | ---- | ---- | ---- | 0.30N | .25- | 5 | .005 | ---- | ---- | 55 | UNCH | 5.30 | .80 |
| 3120 | ---- | ---- | ---- | 0.25N | .20- | 5 | .004 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 3140 | ---- | ---- | ---- | 0.20N | .15- | 5 | .003 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 3190 | ---- | ---- | ---- | 0.15N | .05- | 10 | .001 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3200 | ---- | ---- | ---- | 0.10N | .05- | 5 | .000 | ---- | ---- | 219 | UNCH | .45 | .45 |
| TOTAL | | | | | | | | | 150 | 14847 + | 200 | | |
| DEC18 | | (FUTURES SETT. 2708.10 - 2390 ) | | | | | | | | | | | |
| 2570 | ---- | ---- | ---- | 224.20N | 209.30- | 1490 | .686 | ---- | ---- | 2 | UNCH | 221.00 | 221.00 |
| 2600 | ---- | ---- | ---- | 200.90N | 186.70- | 1420 | .656 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2700 | ---- | ---- | ---- | 128.90N | 117.30- | 1160 | .532 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2715 | ---- | ---- | ---- | 118.90N | 107.90- | 1100 | .510 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2725 | ---- | ---- | ---- | 112.40N | 101.80- | 1060 | .495 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2735 | ---- | ---- | ---- | 106.00N | 95.80- | 1020 | .480 | ---- | ---- | 1 | UNCH | 94.60 | 94.60 |
| 2745 | ---- | ---- | ---- | 99.70N | 90.00- | 970 | .464 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 96.70N | 87.20- | 950 | .457 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 2775 | ---- | ---- | ---- | 82.10N | 73.40- | 870 | .416 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2785 | ---- | ---- | ---- | 76.50N | 68.20- | 830 | .399 | ---- | ---- | 1 | UNCH | 69.30 | 69.30 |
| 2795 | ---- | ---- | ---- | 71.20N | 63.10- | 810 | .382 | ---- | ---- | 2 | UNCH | 69.00 | 69.00 |
| 2800 | ---- | ---- | ---- | 68.50N | 60.70- | 780 | .373 | ---- | ---- | 126 | UNCH | ---- | ---- |
| 2825 | ---- | ---- | ---- | 56.00N | 49.20- | 680 | .329 | ---- | ---- | 24 | UNCH | ---- | ---- |
| 2840 | ---- | ---- | ---- | 49.10N | 43.00- | 610 | .303 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2845 | ---- | ---- | ---- | 46.90N | 41.00- | 590 | .294 | ---- | ---- | 1 | UNCH | 45.00 | 45.00 |
| 2850 | ---- | ---- | ---- | 44.80N | 39.10- | 570 | .285 | ---- | 8 | 59 | UNCH | ---- | ---- |
| 2870 | ---- | ---- | ---- | 36.90N | 32.10- | 480 | .251 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2875 | ---- | ---- | ---- | 35.10N | 30.50- | 460 | .242 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2890 | ---- | ---- | ---- | 30.00N | 25.90- | 410 | .217 | ---- | ---- | 34 | UNCH | 122.50 | 82.70 |
| 2900 | ---- | ---- | ---- | 26.90N | 23.10- | 380 | .201 | ---- | 8 | 223 - | 8 | 74.00 | 74.00 |
| 2910 | ---- | ---- | ---- | 24.00N | 20.60- | 340 | .185 | ---- | ---- | 8 | UNCH | 111.30 | 111.30 |
| 2915 | ---- | ---- | ---- | 22.70N | 19.40- | 330 | .177 | ---- | ---- | 1 | UNCH | 22.50 | 22.50 |
| 2920 | ---- | ---- | ---- | 21.40N | 18.30- | 310 | .170 | ---- | ---- | 21 | UNCH | ---- | ---- |
| 2930 | ---- | ---- | ---- | 19.00N | 16.10- | 290 | .155 | ---- | ---- | 43 | UNCH | ---- | ---- |
| 2940 | ---- | ---- | ---- | 16.80N | 14.20- | 260 | .141 | ---- | ---- | 126 | UNCH | 52.50 | 27.20 |
| 2950 | ---- | ---- | ---- | 14.80N | 12.50- | 230 | .128 | ---- | ---- | 8 | UNCH | 31.00 | 24.80 |
| 2960 | ---- | ---- | ---- | 13.00N | 11.00- | 200 | .116 | ---- | ---- | 26 | UNCH | 68.00 | 54.00 |
| 2970 | ---- | ---- | ---- | 11.50N | 9.70- | 180 | .106 | ---- | ---- | 14 | UNCH | 63.00 | 63.00 |
| 2980 | ---- | ---- | ---- | 10.10N | 8.60- | 150 | .096 | ---- | ---- | 103 | UNCH | 60.50 | 8.70 |
| 2990 | ---- | ---- | ---- | 8.80N | 7.60- | 120 | .087 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 3000 | ---- | ---- | ---- | 7.70N | 6.70- | 100 | .078 | ---- | ---- | 296 | UNCH | 71.20 | 8.50 |
| 3010 | ---- | ---- | ---- | 6.80N | 5.90- | 90 | .070 | ---- | ---- | 1 | UNCH | 9.20B | ---- |
| 3020 | ---- | ---- | ---- | 6.00N | 5.20- | 80 | .063 | ---- | ---- | 41 | UNCH | 23.00 | 23.00 |
| 3025 | ---- | ---- | ---- | 5.60N | 4.90- | 70 | .060 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3050 | ---- | ---- | ---- | 4.10N | 3.55- | 55 | .046 | ---- | ---- | 67 | UNCH | ---- | ---- |
| 3060 | ---- | ---- | ---- | 3.65N | 3.10- | 55 | .041 | ---- | ---- | 10 | UNCH | 10.80 | 10.80 |
| 3075 | ---- | ---- | ---- | 3.05N | 2.60- | 45 | .035 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3100 | ---- | ---- | ---- | 2.35N | 1.95- | 40 | .027 | ---- | ---- | 230 | UNCH | ---- | ---- |
| 3110 | ---- | ---- | ---- | 2.10N | 1.75- | 35 | .024 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 3140 | ---- | ---- | ---- | 1.55N | 1.30- | 25 | .018 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 3150 | ---- | ---- | ---- | 1.45N | 1.20- | 25 | .017 | ---- | ---- | 65 | UNCH | ---- | ---- |
| 3170 | ---- | ---- | ---- | 1.20N | 1.00- | 20 | .014 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 3175 | ---- | ---- | ---- | 1.15N | .95- | 20 | .014 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3180 | ---- | ---- | ---- | 1.10N | .90- | 20 | .013 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3200 | ---- | ---- | ---- | 0.90N | .80- | 10 | .011 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 3225 | ---- | ---- | ---- | 0.75N | .65- | 10 | .009 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3230 | ---- | ---- | ---- | 0.70N | .60- | 10 | .009 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 3270 | ---- | ---- | ---- | 0.55N | .45- | 10 | .006 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3290 | ---- | ---- | ---- | 0.50N | .40- | 10 | .006 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 3300 | ---- | ---- | ---- | 0.45N | .35- | 10 | .005 | ---- | ---- | 25 | UNCH | 8.70 | 5.00 |
| 3325 | ---- | ---- | ---- | 0.40N | .30- | 10 | .004 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 16 | 1664 - | 8 | | |
| MAR19 | | (FUTURES SETT. .00) | | | | | | | | | | | |
| 2960 | ---- | ---- | ---- | 30.50N | 26.90- | 360 | .194 | ---- | ---- | 10 | UNCH | 49.30 | 49.30 |
| TOTAL | | | | | | | | | 0 | 10 | | | |
| EOM S&P 500 C | | | | | | | | | | | | | |
| JUN18 | EOM S&P 500 C | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | 1728.10N | 1704.60- | 2350 | 1.000 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2000 | ---- | ---- | ---- | 728.30N | 704.80- | 2350 | 1.000 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2450 | ---- | ---- | ---- | 278.60N | 255.10- | 2350 | .998 | ---- | ---- | 1 | UNCH | 309.00 | 309.00 |
| 2700 | ---- | ---- | ---- | 34.70N | 18.20- | 1650 | .563 | ---- | 275 | 165 - | 110 | ---- | ---- |
| 2725 | ---- | ---- | ---- | 16.20N | 5.90- | 1030 | .237 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2730 | ---- | ---- | ---- | 13.20N | 4.30+ | NEW | .178 | ---- | 100 | 100 + | 100 | ---- | ---- |
| 2740 | ---- | ---- | ---- | 8.00N | 2.05- | 595 | .085 | ---- | 375 | 190 - | 185 | ---- | ---- |
| 2745 | 2.10 | 2.10 | *2.10 | 2.10 | 1.35- | 455 | .054 | ---- | ---- | 3 | UNCH | 6.00 | 2.10 |
| 2750 | 9.20 | #9.20 | 5.40 | 5.40 | .85- | 335 | .032 | ---- | 2 | 200 | UNCH | 9.20 | 5.00 |
| 2760 | 2.20 | #2.20 | *2.20 | 2.20 | .35+ | NEW | .011 | ---- | 1 | 1 + | 1 | 2.20 | 2.20 |
| 2775 | ---- | ---- | ---- | 0.55N | .05- | 50 | .000 | ---- | ---- | 223 | UNCH | 21.70 | 1.15 |
| 2780 | 0.10 | #.10 | CAB | ---- | .05- | 30 | .000 | ---- | 309 | 609 + | 309 | .10 | ---- |
| 2785 | 0.50 | .50 | CAB | ---- | .05- | 20 | .000 | ---- | 210 | 206 + | 195 | .55 | .55 |
| 2790 | ---- | ---- | ---- | 0.20N | .05- | 15 | .000 | ---- | ---- | 258 | UNCH | 5.80 | .35 |
| 2795 | ---- | ---- | ---- | 0.15N | CAB | ---- | .000 | ---- | ---- | 134 | UNCH | ---- | ---- |
| 2800 | ---- | CAB | CAB | ---- | CAB | ---- | .000 | ---- | 500 | 905 + | 500 | 2.55 | 2.55 |
| 2805 | ---- | CAB | CAB | ---- | CAB | ---- | .000 | ---- | 1600 | 1600 + | 1596 | ---- | ---- |
| 2810 | 0.10 | .10 | .10 | 0.10 | CAB | ---- | ---- | ---- | 37 | 863 - | 37 | .10 | .10 |
| 2815 | ---- | CAB | CAB | ---- | CAB | ---- | ---- | ---- | 400 | 1050 + | 800 | 6.50 | .10A |
| 2820 | ---- | ---- | ---- | 0.05N | CAB | ---- | ---- | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2825 | ---- | ---- | ---- | 0.05N | CAB | ---- | ---- | ---- | ---- | 898 | UNCH | 7.90 | .50 |
| 2830 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 169 | UNCH | .40 | .40 |
| 2835 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 200 | UNCH | ---- | ---- |
| 2840 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 495 | UNCH | 3.15 | .20 |
| 2850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 694 | UNCH | 2.10 | .40 |
| 2860 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 74 | UNCH | .10 | .10 |
| 2870 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .10 | .10 |
| 2875 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 261 | UNCH | .20 | .20 |
| 2880 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 24 | UNCH | ---- | ---- |
| 2890 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 125 | UNCH | 4.10 | 3.95 |
| 2895 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1369 | UNCH | 1.30 | .35 |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2910 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 453 | UNCH | ---- | .10A |
| 2915 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 18 | UNCH | ---- | ---- |
| 2920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 500 | UNCH | .25 | .25 |
| 2925 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 600 | UNCH | ---- | ---- |
| 2945 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | .35 | .35 |
| 2950 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 813 | UNCH | .15 | .15 |
| 3000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1391 | UNCH | .40 | .20 |
| 3050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 200 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 3809 | 14947 + | 3169 | |
| JUL18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 2725 | ---- | ---- | ---- | 43.00N | 33.80- | 920 | .432 | ---- | ---- | 49 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 28.10N | 21.40- | 670 | .330 | ---- | ---- | 49 | UNCH | ---- | ---- |
| 2790 | ---- | ---- | ---- | 11.10N | 8.10- | 300 | .170 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2800 | ---- | ---- | ---- | 8.30N | 6.10- | 220 | .137 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 2815 | ---- | ---- | ---- | 5.20N | 3.80- | 140 | .095 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2825 | ---- | ---- | ---- | 3.75N | 2.75- | 100 | .073 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2830 | ---- | ---- | ---- | 3.15N | 2.35- | 80 | .064 | ---- | ---- | 100 | UNCH | 4.40 | 2.50 |
| 2845 | ---- | ---- | ---- | 1.95N | 1.45- | 50 | .042 | ---- | ---- | 65 | UNCH | 2.00 | 2.00 |
| 2850 | ---- | ---- | ---- | 1.70N | 1.25- | 45 | .037 | ---- | ---- | 752 | UNCH | 3.50 | 1.65 |
| 2855 | ---- | ---- | ---- | 1.45N | 1.05- | 40 | .031 | ---- | ---- | 450 | UNCH | 4.00 | 4.00 |
| 2860 | ---- | ---- | ---- | 1.25N | .90- | 35 | .027 | ---- | ---- | 400 | UNCH | 4.05 | 1.40 |
| 2865 | ---- | ---- | ---- | 1.10N | .80- | 30 | .024 | ---- | ---- | 147 | UNCH | 7.10 | 4.00 |
| 2870 | ---- | ---- | ---- | 0.95N | .70- | 25 | .021 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 2875 | ---- | ---- | ---- | 0.85N | .60- | 25 | .019 | ---- | ---- | 336 - | 6 | 4.15 | 1.00 |
| 2880 | ---- | ---- | ---- | 0.75N | .55- | 20 | .017 | ---- | ---- | 368 | UNCH | 4.00 | 2.85 |
| 2890 | ---- | ---- | ---- | 0.65N | .45- | 20 | .014 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2895 | ---- | ---- | ---- | 0.60N | .40- | 20 | .012 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2900 | ---- | ---- | ---- | 0.55N | .35- | 20 | .011 | ---- | ---- | 99 | UNCH | 2.45 | 2.45 |
| 2910 | ---- | ---- | ---- | 0.45N | .30- | 15 | .009 | ---- | ---- | 4 | UNCH | 3.00B | ---- |
| 2915 | ---- | ---- | ---- | 0.40N | .25- | 15 | .008 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 2945 | ---- | ---- | ---- | 0.25N | .15- | 10 | .004 | ---- | ---- | 3 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 2981 - | 6 | | |
| AUG18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | 2619.30N | 2595.90- | 2340 | 1.000 | ---- | ---- | 45 | UNCH | ---- | ---- |
| 500 | ---- | ---- | ---- | 2220.70N | 2197.30- | 2340 | .999 | ---- | ---- | 8 | UNCH | 2202.50 | 2202.50 |
| 2100 | ---- | ---- | ---- | 629.70N | 606.90- | 2280 | .973 | ---- | ---- | 45 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 244.90N | 225.80- | 1910 | .833 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 2825 | ---- | ---- | ---- | 13.30N | 10.20- | 310 | .163 | ---- | ---- | 345 - | 5 | ---- | ---- |
| 2850 | ---- | ---- | ---- | 7.70N | 5.90- | 180 | .108 | ---- | ---- | 1250 | UNCH | ---- | ---- |
| 2870 | 4.00 | #4.00 | *3.60 | 3.60 | 3.65+ | NEW | .073 | ---- | 546 | 546 + | 546 | 4.00 | 3.60 |
| 2875 | 4.20 | #4.20 | *4.00 | 4.00 | 3.25- | 120 | .066 | ---- | 500 | 750 + | 500 | 4.20 | 4.00 |
| 2880 | ---- | ---- | ---- | 3.95N | 2.90- | 105 | .060 | ---- | ---- | 45 | UNCH | 4.20 | 4.20 |
| 2885 | ---- | ---- | ---- | 3.55N | 2.60- | 95 | .055 | ---- | ---- | 500 | UNCH | ---- | ---- |
| 2890 | ---- | ---- | ---- | 3.20N | 2.35+ | NEW | .050 | ---- | 4 | 4 + | 4 | ---- | ---- |
| 2920 | ---- | ---- | ---- | 1.70N | 1.25+ | NEW | .029 | ---- | 3 | 3 + | 3 | ---- | ---- |
| 2925 | ---- | ---- | ---- | 1.55N | 1.15+ | NEW | .026 | ---- | 3 | 3 + | 3 | ---- | ---- |
| 2940 | ---- | ---- | ---- | 1.20N | .85+ | NEW | .020 | ---- | 3 | 3 + | 3 | ---- | ---- |
| TOTAL | | | | | | | | | 1059 | 3555 + | 1054 | | |
| SEP18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | 2618.80N | 2595.20- | 2360 | 1.000 | ---- | ---- | 10 | UNCH | 2682.00 | 2682.00 |
| 500 | ---- | ---- | ---- | 2220.80N | 2197.20- | 2360 | .999 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 634.30N | 611.80- | 2250 | .962 | ---- | ---- | 10 | UNCH | 700.00 | 700.00 |
| 2500 | ---- | ---- | ---- | 256.50N | 238.70- | 1780 | .802 | ---- | ---- | 50 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 120 | | | |
| OCT18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 500 | ---- | ---- | ---- | 2216.70N | 2193.10- | 2360 | .999 | ---- | ---- | 10 | UNCH | 2202.10 | 2202.10 |
| 2500 | ---- | ---- | ---- | 266.40N | 249.70- | 1670 | .775 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2775 | ---- | ---- | ---- | 62.70N | 55.10- | 760 | .390 | ---- | ---- | 100 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 120 | | | |
| NOV18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | 2609.40N | 2585.80- | 2360 | 1.000 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 638.00N | 616.60- | 2140 | .938 | ---- | ---- | 8 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 16 | | | |

ADDITIONAL S&P CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW3 S&P 500 C | | | | | | | | | | | | | |
| JUL18 | EOW3 S&P 500 C | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | 2625.10N | 2601.70- | 23.40 | 1.000 | ---- | ---- | 464 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | 1726.30N | 1702.80- | 23.50 | 1.000 | ---- | ---- | 15 | UNCH | 1707.50 | 1707.50 |
| 1025 | ---- | ---- | ---- | 1701.30N | 1677.80- | 23.50 | 1.000 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 628.40N | 605.10- | 23.30 | .991 | ---- | ---- | 464 | UNCH | ---- | ---- |
| 2650 | ---- | ---- | ---- | 94.10N | 78.00- | 16.10 | .695 | ---- | ---- | 300 | UNCH | ---- | ---- |
| 2700 | ---- | ---- | ---- | 54.20N | 42.30- | 11.90 | .527 | ---- | ---- | 226 | UNCH | ---- | ---- |
| 2720 | ---- | ---- | ---- | 40.10N | 30.30- | 9.80 | .441 | ---- | ---- | 16 | UNCH | ---- | ---- |
| 2725 | ---- | ---- | ---- | 36.80N | 27.60- | 9.20 | .418 | ---- | ---- | 51 | UNCH | ---- | ---- |
| 2740 | ---- | ---- | ---- | 27.70N | 20.30- | 7.40 | .347 | ---- | ---- | 450 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 22.20N | 16.10- | 6.10 | .299 | ---- | ---- | 181 | UNCH | 13.00 | 13.00 |
| 2770 | ---- | ---- | ---- | 13.40N | 9.40- | 4.00 | .207 | ---- | ---- | 101 | UNCH | 37.50 | 35.50 |
| 2775 | ---- | ---- | ---- | 11.60N | 8.10- | 3.50 | .185 | ---- | ---- | 40 | UNCH | 27.00 | 22.80 |
| 2780 | ---- | ---- | ---- | 9.90N | 7.00- | 2.90 | .166 | ---- | ---- | 1000 | UNCH | ---- | ---- |
| 2785 | ---- | ---- | ---- | 8.40N | 6.00- | 2.40 | .147 | ---- | ---- | 50 | UNCH | ---- | 30.00A |
| 2790 | ---- | ---- | ---- | 7.10N | 5.00- | 2.10 | .128 | ---- | ---- | 80 | UNCH | ---- | 27.50A |
| 2795 | ---- | ---- | ---- | 6.00N | 4.20- | 1.80 | .112 | ---- | ---- | 30 | UNCH | ---- | 25.00A |
| 2800 | 3.50 | 3.50 | *3.50 | 3.50 | 3.45- | 1.55 | .096 | ---- | 100 | 380 + | 50 | 12.40 | 3.50 |
| 2805 | ---- | ---- | ---- | 4.15N | 2.90- | 1.25 | .083 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2810 | ---- | ---- | ---- | 3.40N | 2.40- | 1.00 | .071 | ---- | 20 | 296 | UNCH | ---- | ---- |
| 2815 | ---- | ---- | ---- | 2.80N | 2.00- | 0.80 | .061 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2820 | ---- | ---- | ---- | 2.30N | 1.65- | 0.65 | .051 | ---- | ---- | 566 - | 37 | 3.95 | 3.95 |
| 2825 | ---- | ---- | ---- | 1.95N | 1.35- | 0.60 | .043 | ---- | ---- | 1692 | UNCH | 17.80 | 4.05 |
| 2830 | ---- | ---- | ---- | 1.60N | 1.15- | 0.45 | .037 | ---- | ---- | 1081 - | 78 | 4.05 | 1.70 |
| 2835 | ---- | ---- | ---- | 1.35N | .95- | 0.40 | .031 | ---- | ---- | 125 | UNCH | 4.00 | 4.00 |
| 2840 | ---- | ---- | ---- | 1.15N | .80- | 0.35 | .027 | ---- | ---- | 563 - | 4 | 6.00 | 4.10 |
| 2845 | ---- | ---- | ---- | .95N | .70- | 0.25 | .023 | ---- | ---- | 109 | UNCH | 3.85 | 3.85 |
| 2850 | 1.00 | 1.00 | *1.00 | 1.00 | .60- | 0.25 | .020 | ---- | 10 | 2607 + | 8 | 12.20 | 1.00 |
| 2855 | ---- | ---- | ---- | .70N | .50- | 0.20 | .017 | ---- | ---- | 36 | UNCH | ---- | ---- |
| 2860 | ---- | ---- | ---- | .65N | .45- | 0.20 | .015 | ---- | ---- | 335 | UNCH | 4.35 | 3.85 |
| 2870 | ---- | ---- | ---- | .50N | .35- | 0.15 | .012 | ---- | ---- | 240 - | 25 | 4.00 | 3.25 |
| 2875 | ---- | ---- | ---- | .45N | .30- | 0.15 | .010 | ---- | 4 | 1175 - | 2 | 3.90 | 2.90A |
| 2880 | ---- | ---- | ---- | .40N | .25- | 0.15 | .008 | ---- | ---- | 196 | UNCH | 3.70 | 3.70 |
| 2885 | ---- | ---- | ---- | .40N | .25- | 0.15 | .008 | ---- | ---- | 37 - | 28 | 4.05 | 3.60 |
| 2890 | ---- | ---- | ---- | .35N | .20- | 0.15 | .007 | ---- | ---- | 134 | UNCH | 4.00 | 1.45 |
| 2900 | .20 | .20 | *.20 | .20 | .20- | 0.10 | .006 | ---- | 84 | 472 + | 76 | 17.70 | .20 |
| 2905 | ---- | ---- | ---- | .30N | .20- | 0.10 | .006 | ---- | ---- | 150 | UNCH | 4.00 | 1.85 |
| 2910 | ---- | ---- | ---- | .25N | .15- | 0.10 | .005 | ---- | ---- | 240 | UNCH | 3.95 | .65 |
| 2925 | ---- | ---- | ---- | .20N | .15- | 0.05 | .004 | ---- | ---- | 315 | UNCH | ---- | ---- |
| 2935 | ---- | ---- | ---- | .20N | .10- | 0.10 | .003 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2960 | ---- | ---- | ---- | .15N | .05- | 0.10 | .001 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2970 | ---- | ---- | ---- | .15N | .05- | 0.10 | .001 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2980 | ---- | ---- | ---- | .15N | .05- | 0.10 | .000 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 3000 | ---- | ---- | ---- | .10N | CAB | ---- | .000 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 3025 | ---- | ---- | ---- | .05N | CAB | ---- | .000 | ---- | ---- | 157 | UNCH | ---- | ---- |
| 3070 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 3160 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 60 | UNCH | ---- | ---- |
| 3240 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 14690 - | 40 | | |
| AUG18 | EOW3 S&P 500 C | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | 2621.30N | 2597.90- | 23.40 | 1.000 | ---- | ---- | 410 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 629.10N | 606.20- | 22.90 | .979 | ---- | ---- | 410 | UNCH | ---- | ---- |
| 2725 | ---- | ---- | ---- | 53.10N | 43.50- | 9.60 | .448 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 38.00N | 30.30- | 7.70 | .365 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 2775 | ---- | ---- | ---- | 25.20N | 19.50- | 5.70 | .278 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2780 | ---- | ---- | ---- | 23.00N | 17.70- | 5.30 | .261 | ---- | ---- | 125 | UNCH | ---- | ---- |
| 2800 | ---- | ---- | ---- | 15.40N | 11.70- | 3.70 | .196 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 2820 | ---- | ---- | ---- | 9.80N | 7.30- | 2.50 | .138 | ---- | ---- | 95 | UNCH | ---- | ---- |
| 2825 | ---- | ---- | ---- | 8.70N | 6.50- | 2.20 | .126 | ---- | ---- | 501 | UNCH | ---- | ---- |
| 2830 | ---- | ---- | ---- | 7.70N | 5.70 | NEW | .114 | ---- | 5 | 5 + | 5 | ---- | ---- |
| 2835 | ---- | ---- | ---- | 6.80N | 5.10- | 1.70 | .104 | ---- | ---- | 6 | UNCH | 6.50 | 6.50 |
| 2840 | ---- | ---- | ---- | 6.00N | 4.50 | NEW | .094 | ---- | 64 | 64 + | 64 | ---- | ---- |
| 2850 | ---- | ---- | ---- | 4.65N | 3.55- | 1.10 | .077 | ---- | 875 | 963 + | 610 | 4.00 | 4.00 |
| 2855 | ---- | ---- | ---- | 4.10N | 3.15- | 0.95 | .070 | ---- | ---- | 1000 | UNCH | 4.15 | 4.00 |
| 2860 | ---- | ---- | ---- | 3.65N | 2.80- | 0.85 | .063 | ---- | 5 | 632 | UNCH | 4.00 | 4.00 |
| 2865 | ---- | ---- | ---- | 3.20N | 2.50- | 0.70 | .057 | ---- | ---- | 250 | UNCH | 4.00 | 4.00 |
| 2870 | ---- | ---- | ---- | 2.85N | 2.20- | 0.65 | .051 | ---- | 64 | 987 + | 64 | 4.00 | 4.00 |
| 2875 | ---- | ---- | ---- | 2.55N | 1.95- | 0.60 | .046 | ---- | ---- | 6 | UNCH | 6.50 | 6.50 |
| 2880 | ---- | ---- | ---- | 2.25N | 1.75- | 0.50 | .042 | ---- | ---- | 285 | UNCH | 4.10 | 4.05 |
| 2885 | ---- | ---- | ---- | 2.00N | 1.55- | 0.45 | .038 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 2890 | ---- | ---- | ---- | 1.80N | 1.35- | 0.45 | .033 | ---- | 1950 | 2100 + | 2000 | 3.85 | 3.85 |
| 2895 | ---- | ---- | ---- | 1.65N | 1.20- | 0.45 | .030 | ---- | ---- | 250 | UNCH | 4.05 | 4.00 |
| 2900 | ---- | ---- | ---- | 1.45N | 1.10- | 0.35 | .028 | ---- | ---- | 1075 | UNCH | 3.25 | 3.25 |
| 2910 | ---- | ---- | ---- | 1.20N | .85- | 0.35 | .022 | ---- | ---- | 2000 | UNCH | ---- | ---- |
| 2920 | ---- | ---- | ---- | 1.00N | .70- | 0.30 | .018 | ---- | ---- | 42 | UNCH | ---- | ---- |

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# S&P 500 CALL OPTIONS

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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Side 04

## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2925 | ---- | ---- | ---- | .90N | | .65- | 0.25 | .017 | ---- | ---- | 175 | UNCH | 3.90 | 3.90 |
| 2950 | ---- | ---- | ---- | .60N | | .40- | 0.20 | .010 | ---- | ---- | 2000 | UNCH | ---- | ---- |
| 3200 | ---- | ---- | ---- | .05N | CAB | | ---- | .000 | ---- | ---- | 20 | UNCH | .30 | .10 |
| 3250 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 10 | UNCH | .10 | .10 |
| TOTAL | | | | | | | | | | 0 | 13528 + | 2743 | | |
| MDV MID | | | | | | | | | | | | | | |
| JUN18 | MDV MID | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 2755 | .30 | 1.10 | *.30 | 1.10 | CAB | | ---- | ---- | ---- | 5 | ---- | 1 | 2.40 | .30 |
| TOTAL | | | | | | | | | | 0 | 0 - | 5003 | | |
| MMV MID | | | | | | | | | | | | | | |
| JUL18 | MMV MID | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 2850 | ---- | CAB | CAB | ---- | CAB | | ---- | .000 | ---- | 1200 | 1200 + | 1200 | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 1200 + | 1200 | | |

E-MINI S&P 500 FIXING PRICE (ESF): Sep19 2702.24

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# S&P 500 PUT OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $12.50 PRODCUT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### WK EV-W1 S&P 500 PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW1 S&P 500 P | | | | | | | | | | | | | |
| JUL18 | EOW1 S&P 500 P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 177 | UNCH | ---- | ---- |
| 1525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 177 | UNCH | .35 | .35 |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 135 | UNCH | .35 | .35 |
| 1760 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1860 | ---- | ---- | ---- | 0.05N | .05 | UNCH | .000 | ---- | ---- | 118 | UNCH | ---- | ---- |
| 1900 | ---- | ---- | ---- | 0.10N | .05- | 5 | .000 | ---- | ---- | 100 | UNCH | .15 | .15 |
| 1930 | ---- | ---- | ---- | 0.10N | .05- | 5 | .000 | ---- | ---- | 160 | UNCH | .15 | .15 |
| 1940 | ---- | ---- | ---- | 0.15N | .10- | 5 | .000 | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1950 | ---- | ---- | ---- | 0.15N | .10- | 5 | .000 | ---- | ---- | 365 | UNCH | .10 | .10 |
| 1960 | ---- | ---- | ---- | 0.15N | .10- | 5 | .000 | ---- | ---- | 118 | UNCH | .35 | .35 |
| 2010 | ---- | ---- | ---- | 0.15N | .15 | UNCH | .001 | ---- | ---- | 320 | UNCH | .15 | .15 |
| 2050 | 0.10 | .10 | *.10 | 0.10 | .15 | UNCH | .001 | ---- | 100 | 125 + | 100 | .15 | .10 |
| 2080 | ---- | ---- | ---- | 0.20N | .20 | UNCH | .001 | ---- | ---- | 165 | UNCH | .30 | .30 |
| 2090 | 0.20 | #.20 | *.20 | 0.20 | .20 | UNCH | .001 | ---- | 4 | 4 + | 4 | .20 | .20 |
| 2100 | ---- | ---- | ---- | 0.20N | .20 | UNCH | .001 | ---- | ---- | 3 | UNCH | .25 | .25 |
| 2110 | ---- | ---- | ---- | 0.20N | .20 | UNCH | .001 | ---- | ---- | 4 | UNCH | .20 | .20 |
| 2120 | ---- | ---- | ---- | 0.20N | .20 | UNCH | .001 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 2125 | ---- | ---- | ---- | 0.20N | .20 | UNCH | .001 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 2150 | ---- | ---- | ---- | 0.20N | .25+ | 5 | .002 | ---- | ---- | 4 | UNCH | .20 | .20 |
| 2160 | ---- | ---- | ---- | 0.25N | .25 | UNCH | .002 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 2175 | ---- | ---- | ---- | 0.25N | .30+ | 5 | .002 | ---- | ---- | 6 | UNCH | .25 | .25 |
| 2180 | 0.15 | #.15 | *.15 | 0.15 | .30+ | NEW | .002 | ---- | 30 | 30 + | 30 | .15 | .15 |
| 2220 | ---- | ---- | ---- | 0.30N | .35+ | 5 | .003 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2225 | ---- | ---- | ---- | 0.30N | .35+ | 5 | .003 | ---- | ---- | 6 | UNCH | .25 | .25 |
| 2230 | ---- | ---- | ---- | 0.35N | .40+ | 5 | .003 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 2240 | ---- | ---- | ---- | 0.35N | .40+ | 5 | .004 | ---- | ---- | 120 | UNCH | ---- | ---- |
| 2250 | ---- | ---- | ---- | 0.35N | .40+ | 5 | .004 | ---- | ---- | 5 | UNCH | .30 | .30 |
| 2275 | ---- | ---- | ---- | 0.40N | .45+ | 5 | .004 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 2325 | 0.25 | #.25 | *.25 | 0.25 | .60+ | NEW | .006 | ---- | 6 | 6 + | 6 | .25 | .25 |
| 2350 | ---- | ---- | ---- | 0.55N | .70+ | 15 | .008 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2400 | 0.40 | #.80 | *.35 | 0.80 | .85+ | NEW | .011 | ---- | 2100 | 2100 + | 2100 | .80 | .35 |
| 2450 | 0.75 | #1.10 | *.75 | 1.10 | 1.20+ | NEW | .017 | ---- | 280 | 280 + | 280 | 1.10 | .75 |
| 2460 | ---- | ---- | ---- | 0.90N | 1.30+ | 40 | .019 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2475 | ---- | ---- | ---- | 1.00N | 1.45+ | 45 | .022 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 2485 | ---- | ---- | ---- | 1.05N | 1.55+ | 50 | .025 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 1.15N | 1.70+ | NEW | .028 | ---- | 600 | 600 + | 600 | ---- | ---- |
| 2505 | ---- | ---- | ---- | 1.20N | 1.80+ | 60 | .030 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 1.40N | 2.15+ | 75 | .037 | ---- | 600 | 600 + | 595 | ---- | ---- |
| 2535 | ---- | ---- | ---- | 1.55N | 2.35+ | 80 | .042 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 1.75N | 2.75+ | 100 | .051 | ---- | ---- | 42 | UNCH | 1.60 | 1.60 |
| 2560 | ---- | ---- | ---- | 1.95N | 3.10+ | 115 | .058 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2575 | ---- | ---- | ---- | 2.25N | 3.75+ | NEW | .072 | ---- | 1200 | 1200 + | 1200 | ---- | ---- |
| 2580 | ---- | ---- | ---- | 2.35N | 4.00+ | 165 | .077 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2590 | ---- | ---- | ---- | 2.65N | 4.55+ | 190 | .089 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 2.95N | 5.20+ | 225 | .103 | ---- | ---- | 42 | UNCH | 3.30 | 3.30 |
| 2610 | ---- | ---- | ---- | 3.35N | 5.90+ | 255 | .119 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2620 | ---- | ---- | ---- | 3.85N | 6.90+ | NEW | .140 | ---- | 1 | 1 + | 1 | ---- | ---- |
| 2625 | ---- | ---- | ---- | 4.10N | 7.40+ | 330 | .151 | ---- | ---- | 45 | UNCH | ---- | ---- |
| 2635 | ---- | ---- | ---- | 4.70N | 8.70+ | 400 | .177 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2640 | ---- | ---- | ---- | 5.00N | 9.40+ | NEW | .192 | ---- | 1 | 1 + | 1 | ---- | ---- |
| 2645 | ---- | ---- | ---- | 5.40N | 10.20+ | 480 | .207 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2650 | ---- | ---- | ---- | 5.80N | 11.10+ | 530 | .225 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2670 | ---- | ---- | ---- | 8.10N | 15.20+ | 710 | .304 | ---- | ---- | 136 | UNCH | ---- | ---- |
| 2675 | ---- | ---- | ---- | 8.80N | 16.40+ | NEW | .327 | ---- | 600 | 600 + | 600 | ---- | ---- |
| 2680 | ---- | ---- | ---- | 9.60N | 17.70+ | 810 | .351 | ---- | ---- | 2 | UNCH | 10.80 | 10.80 |
| 2690 | ---- | ---- | ---- | 11.30N | 20.70+ | 940 | .405 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2700 | ---- | ---- | ---- | 13.40N | 24.20+ | 1080 | .464 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 2710 | ---- | ---- | ---- | 15.90N | 28.30+ | 1240 | .528 | ---- | ---- | 140 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 32.40N | 51.40+ | 1900 | .804 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 2775 | ---- | ---- | ---- | 49.90N | 71.90+ | 2200 | .928 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 2780 | ---- | ---- | ---- | 54.00N | 76.50+ | 2250 | .944 | ---- | ---- | 50 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 5522 | 9349 + | 5517 | | |
| AUG18 | EOW1 S&P 500 P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 2470 | ---- | ---- | ---- | 7.10N | 10.00+ | NEW | .099 | ---- | 3 | 3 + | 3 | ---- | ---- |
| 2505 | ---- | ---- | ---- | 8.80N | 12.20+ | NEW | .123 | ---- | 4 | 4 + | 4 | ---- | ---- |
| 2525 | ---- | ---- | ---- | 10.00N | 13.70+ | NEW | .140 | ---- | 1 | 1 + | 1 | ---- | ---- |
| TOTAL | | | | | | | | | 8 | 8 + | 8 | | |

### WK EV-W2 S&P 500 PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW2 S&P 500 P | | | | | | | | | | | | | |
| JUL18 | EOW2 S&P 500 P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1750 | ---- | ---- | ---- | 0.15N | .15 | UNCH | .000 | ---- | ---- | 20 | UNCH | .20 | .20 |
| 1775 | ---- | ---- | ---- | 0.15N | .20+ | 5 | .001 | ---- | ---- | 50 | UNCH | .20 | .20 |
| 1850 | ---- | ---- | ---- | 0.20N | .25+ | 5 | .001 | ---- | ---- | 80 | UNCH | .25 | .25 |
| 2290 | ---- | ---- | ---- | 0.90N | 1.20+ | 30 | .013 | ---- | ---- | 45 | UNCH | ---- | ---- |
| 2340 | ---- | ---- | ---- | 1.10N | 1.50+ | NEW | .017 | ---- | 5 | 5 + | 5 | ---- | ---- |
| 2350 | ---- | ---- | ---- | 1.15N | 1.55+ | 40 | .018 | ---- | ---- | 65 | UNCH | ---- | ---- |
| 2365 | ---- | ---- | ---- | 1.25N | 1.70+ | 45 | .020 | ---- | 5 | 10 + | 5 | ---- | ---- |
| 2370 | ---- | ---- | ---- | 1.30N | 1.75+ | 45 | .021 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 2400 | ---- | ---- | ---- | 1.50N | 2.10+ | 60 | .026 | ---- | ---- | 51 | UNCH | 1.80 | 1.80 |
| 2420 | ---- | ---- | ---- | 1.65N | 2.35+ | 70 | .030 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2440 | ---- | ---- | ---- | 1.85N | 2.70+ | 85 | .035 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2455 | ---- | ---- | ---- | 2.00N | 3.00+ | NEW | .040 | ---- | 5 | 5 + | 5 | ---- | ---- |
| 2460 | ---- | ---- | ---- | 2.10N | 3.10+ | NEW | .042 | ---- | 5 | 5 + | 5 | ---- | ---- |
| 2485 | ---- | ---- | ---- | 2.45N | 3.70+ | 125 | .052 | ---- | 5 | 10 + | 5 | ---- | ---- |
| 2510 | ---- | ---- | ---- | 2.90N | 4.45+ | 155 | .064 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2515 | ---- | ---- | ---- | 3.05N | 4.65+ | 160 | .067 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 3.30N | 5.00+ | 170 | .074 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2540 | ---- | ---- | ---- | 3.70N | 5.70+ | 200 | .085 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2560 | ---- | ---- | ---- | 4.40N | 6.90+ | NEW | .105 | ---- | 5 | 5 + | 5 | ---- | ---- |
| 2570 | ---- | ---- | ---- | 4.80N | 7.60+ | 280 | .116 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 6.50N | 10.30+ | 380 | .160 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2630 | ---- | ---- | ---- | 8.80N | 14.30+ | 550 | .222 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2650 | ---- | ---- | ---- | 11.00N | 17.90+ | 690 | .277 | ---- | ---- | 3 | UNCH | 6.50 | 6.50 |
| 2700 | 15.30 | #15.30 | 15.30 | 15.30 | 31.80+ | 1150 | .470 | ---- | 2 | 2 | UNCH | 15.30 | 9.10 |
| 2705 | ---- | ---- | ---- | 21.60N | 33.70+ | 1210 | .494 | ---- | ---- | 137 | UNCH | ---- | ---- |
| 2710 | ---- | ---- | ---- | 23.10N | 35.60+ | 1250 | .519 | ---- | ---- | 136 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 32 | 859 + | 30 | | |

### WK EV-W4 S&P 500 PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW4 S&P 500 P | | | | | | | | | | | | | |
| JUL18 | EOW4 S&P 500 P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 2515 | ---- | ---- | ---- | 7.20N | 10.00+ | 280 | .113 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2520 | ---- | ---- | ---- | 7.40N | 10.30+ | 290 | .117 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2605 | ---- | ---- | ---- | 13.40N | 19.20+ | 580 | .224 | ---- | ---- | 137 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 237 | | | |

### S&P 500 PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S&P 500 PUT | | | | | | | | | | | | | |
| SEP18 | S&P 500 PUT | (FUTURES SETT. | 2704.90 - | 2360 ) | | | | | | | | | |
| 1000 | ---- | ---- | ---- | 0.10N | .10 | UNCH | .000 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 1100 | ---- | ---- | ---- | 0.20N | .20 | UNCH | .000 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1200 | ---- | ---- | ---- | 0.30N | .35+ | 5 | .001 | ---- | ---- | 2900 | UNCH | .25 | .25 |
| 1400 | ---- | ---- | ---- | 0.55N | .60+ | 5 | .002 | ---- | ---- | 400 | UNCH | 2.20 | 2.20 |
| 1500 | ---- | ---- | ---- | 0.70N | .85+ | 15 | .003 | ---- | ---- | 2000 | UNCH | .65 | .65 |
| 1700 | ---- | ---- | ---- | 1.30N | 1.55+ | 25 | .007 | ---- | ---- | 59 | UNCH | 1.05 | 1.05 |
| 1800 | ---- | ---- | ---- | 1.70N | 2.05+ | 35 | .010 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 1900 | ---- | ---- | ---- | 2.35N | 2.85+ | 50 | .015 | ---- | ---- | 127 | UNCH | 20.20 | 9.30 |
| 1920 | ---- | ---- | ---- | 2.55N | 3.10+ | 55 | .017 | ---- | ---- | 1 | UNCH | 30.20 | 30.20 |
| 1950 | ---- | ---- | ---- | 2.75N | 3.40+ | 65 | .019 | ---- | ---- | 6 | UNCH | 24.30 | 17.50 |
| 2000 | ---- | ---- | ---- | 3.25N | 4.05+ | 80 | .023 | ---- | ---- | 812 | UNCH | 20.30 | 15.20 |
| 2090 | 3.90 | #3.90 | *3.90 | 3.90 | 5.60+ | NEW | .033 | ---- | 250 | 250 + | 250 | 3.90 | 3.90 |
| 2100 | ---- | ---- | ---- | 4.65N | 5.80+ | 115 | .034 | ---- | ---- | 5016 | UNCH | 35.50 | 31.00 |
| 2125 | ---- | ---- | ---- | 5.10N | 6.40+ | 130 | .038 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2150 | ---- | ---- | ---- | 5.60N | 7.00+ | 140 | .042 | ---- | ---- | 19 | UNCH | ---- | ---- |
| 2200 | ---- | ---- | ---- | 6.80N | 8.40+ | 160 | .051 | ---- | ---- | 727 | UNCH | 30.20 | 15.50 |
| 2250 | ---- | ---- | ---- | 8.30N | 10.20+ | 190 | .063 | ---- | ---- | 220 | UNCH | ---- | ---- |
| 2260 | ---- | ---- | ---- | 8.60N | 10.60+ | 200 | .066 | ---- | ---- | 30 | UNCH | 31.20 | 31.20 |
| 2270 | ---- | ---- | ---- | 9.00N | 11.00+ | 200 | .069 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2275 | ---- | ---- | ---- | 9.10N | 11.20+ | 210 | .070 | ---- | ---- | 7 | UNCH | 70.00 | 10.30 |
| 2280 | ---- | ---- | ---- | 9.30N | 11.40+ | 210 | .072 | ---- | ---- | 1 | UNCH | ---- | ---- |

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# S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2290 | ---- | ---- | ---- | 9.70N | 11.80+ | 210 | .075 | ---- | ---- | 34 | UNCH | 53.00 | 38.20 |
| 2300 | ---- | ---- | ---- | 10.10N | 12.30+ | 220 | .078 | ---- | ---- | 1041 | UNCH | 11.40 | 11.40 |
| 2310 | ---- | ---- | ---- | 10.50N | 12.80+ | 230 | .081 | ---- | ---- | 25 | UNCH | ---- | ---- |
| 2375 | ---- | ---- | ---- | 13.50N | 16.80+ | 330 | .109 | ---- | ---- | 151 | UNCH | ---- | ---- |
| 2400 | ---- | ---- | ---- | 15.00N | 18.50+ | 350 | .121 | ---- | ---- | 2143 | UNCH | 82.00 | 82.00 |
| 2425 | ---- | ---- | ---- | 16.70N | 20.60+ | 390 | .135 | ---- | ---- | 38 | UNCH | 20.30 | 20.30 |
| 2430 | ---- | ---- | ---- | 17.00N | 21.10+ | 410 | .138 | ---- | ---- | 35 | UNCH | 77.00 | 75.00 |
| 2440 | ---- | ---- | ---- | 17.70N | 22.00+ | 430 | .145 | ---- | ---- | 154 | UNCH | ---- | ---- |
| 2450 | ---- | ---- | ---- | 18.50N | 23.00+ | 450 | .151 | ---- | ---- | 177 | UNCH | ---- | ---- |
| 2475 | ---- | ---- | ---- | 20.80N | 25.70+ | 490 | .170 | ---- | ---- | 36 | UNCH | ---- | ---- |
| 2480 | ---- | ---- | ---- | 21.20N | 26.20+ | 500 | .173 | ---- | ---- | 150 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 23.20N | 28.60+ | 540 | .190 | ---- | ---- | 454 | UNCH | 91.50 | 45.50 |
| 2510 | ---- | ---- | ---- | 24.20N | 29.90+ | 570 | .199 | ---- | ---- | 175 | UNCH | ---- | ---- |
| 2520 | ---- | ---- | ---- | 25.40N | 31.30+ | 590 | .208 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 26.00N | 32.00+ | 600 | .213 | ---- | ---- | 41 | UNCH | ---- | ---- |
| 2540 | ---- | ---- | ---- | 27.80N | 34.30+ | 650 | .228 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 29.10N | 35.90+ | 680 | .239 | ---- | ---- | 176 | UNCH | ---- | ---- |
| 2560 | ---- | ---- | ---- | 30.40N | 37.50+ | 710 | .250 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2570 | ---- | ---- | ---- | 31.80N | 39.30+ | 750 | .262 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2575 | ---- | ---- | ---- | 32.50N | 40.20+ | 770 | .268 | ---- | ---- | 2000 | UNCH | ---- | ---- |
| 2580 | ---- | ---- | ---- | 33.30N | 41.10+ | 780 | .274 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 36.80N | 45.00+ | 820 | .301 | ---- | ---- | 224 | UNCH | ---- | ---- |
| 2610 | ---- | ---- | ---- | 38.60N | 47.20+ | 860 | .315 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2625 | ---- | ---- | ---- | 41.50N | 50.60+ | 910 | .337 | ---- | ---- | 21 | UNCH | ---- | ---- |
| 2630 | ---- | ---- | ---- | 42.50N | 51.80+ | 930 | .345 | ---- | ---- | 20 | UNCH | 71.50 | 71.50 |
| 2640 | ---- | ---- | ---- | 44.60N | 54.30+ | 970 | .361 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 2650 | ---- | ---- | ---- | 46.80N | 56.90+ | 1010 | .378 | ---- | ---- | 205 | UNCH | ---- | ---- |
| 2655 | ---- | ---- | ---- | 48.00N | 58.20+ | 1020 | .387 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2660 | ---- | ---- | ---- | 49.20N | 59.60+ | 1040 | .396 | ---- | ---- | 13 | UNCH | ---- | ---- |
| 2675 | ---- | ---- | ---- | 53.00N | 64.10+ | 1110 | .424 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2685 | ---- | ---- | ---- | 55.80N | 67.30+ | 1150 | .444 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2690 | ---- | ---- | ---- | 57.20N | 68.90+ | 1170 | .454 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2700 | ---- | ---- | ---- | 60.20N | 72.20+ | 1200 | .475 | ---- | ---- | 207 | UNCH | 50.00 | 50.00 |
| 2725 | ---- | ---- | ---- | 68.20N | 81.50+ | 1330 | .532 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 77.40N | 92.40+ | 1500 | .593 | ---- | ---- | 101 | UNCH | ---- | ---- |
| 2760 | ---- | ---- | ---- | 81.60N | 97.20+ | 1560 | .619 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2775 | ---- | ---- | ---- | 88.60N | 105.10+ | 1650 | .658 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2830 | ---- | ---- | ---- | 120.20N | 139.90+ | 1970 | .802 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2850 | ---- | ---- | ---- | 134.50N | 155.20+ | 2070 | .847 | ---- | ---- | 50 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 250 | 20510 + 250 | | | |
| DEC18 | | (FUTURES SETT. 2708.10 - 2390 ) | | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | 0.45N | .55+ | 10 | .001 | ---- | ---- | 5 | UNCH | 4.50 | 1.40 |
| 1175 | ---- | ---- | ---- | 0.60N | .70+ | 10 | .002 | ---- | ---- | 50 | UNCH | 2.10 | 2.10 |
| 1200 | ---- | ---- | ---- | 0.65N | .80+ | 15 | .002 | ---- | ---- | 3 | UNCH | 2.40 | 2.40 |
| 1300 | ---- | ---- | ---- | 0.95N | 1.10+ | 15 | .004 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | 1.90N | 2.20+ | 30 | .008 | ---- | ---- | 40 | UNCH | 27.00 | 6.20 |
| 1600 | ---- | ---- | ---- | 2.60N | 3.05+ | 45 | .011 | ---- | ---- | 73 | UNCH | 8.60 | 7.90 |
| 1650 | ---- | ---- | ---- | 3.05N | 3.60+ | 55 | .014 | ---- | ---- | 58 | UNCH | 24.50 | 20.00 |
| 1700 | ---- | ---- | ---- | 3.60N | 4.30+ | 70 | .017 | ---- | ---- | 133 | UNCH | 19.30 | 5.80 |
| 1800 | ---- | ---- | ---- | 4.95N | 5.90+ | 95 | .024 | ---- | ---- | 11 | UNCH | 8.10 | 8.10 |
| 1850 | ---- | ---- | ---- | 5.90N | 6.90+ | 100 | .028 | ---- | ---- | 140 | UNCH | 26.00 | 9.50 |
| 1950 | ---- | ---- | ---- | 8.30N | 9.70+ | 140 | .040 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2000 | ---- | ---- | ---- | 9.70N | 11.60+ | 190 | .048 | ---- | ---- | 194 | UNCH | 47.50 | 10.20 |
| 2050 | ---- | ---- | ---- | 11.50N | 13.60+ | 210 | .057 | ---- | ---- | 6 | UNCH | 60.00 | 60.00 |
| 2100 | ---- | ---- | ---- | 13.60N | 16.00+ | 240 | .067 | ---- | ---- | 28 | UNCH | 42.30 | 24.00 |
| 2200 | ---- | ---- | ---- | 18.90N | 22.20+ | 330 | .095 | ---- | ---- | 155 | UNCH | 90.00 | 25.30 |
| 2240 | ---- | ---- | ---- | 21.50N | 25.10+ | 360 | .108 | ---- | ---- | 85 | UNCH | 62.00 | 27.50 |
| 2250 | ---- | ---- | ---- | 22.20N | 25.90+ | 370 | .111 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2300 | ---- | ---- | ---- | 26.10N | 30.60+ | 450 | .132 | ---- | ---- | 225 | UNCH | 110.00 | 65.00 |
| 2350 | ---- | ---- | ---- | 30.90N | 35.80+ | 490 | .155 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2400 | ---- | ---- | ---- | 36.30N | 42.00+ | 570 | .182 | ---- | ---- | 126 | UNCH | 130.00 | 48.20 |
| 2425 | ---- | ---- | ---- | 39.30N | 45.50+ | 620 | .197 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2450 | ---- | ---- | ---- | 42.70N | 49.30+ | 660 | .214 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 50.40N | 57.90+ | 750 | .251 | ---- | ---- | 168 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 54.80N | 62.70+ | 790 | .271 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 59.40N | 67.80+ | 840 | .294 | ---- | ---- | 184 | UNCH | 77.90 | 77.90 |
| 2600 | ---- | ---- | ---- | 69.90N | 79.40+ | 950 | .343 | ---- | 8 | 140 + 8 | | ---- | ---- |
| 2625 | ---- | ---- | ---- | 75.90N | 86.00+ | 1010 | .371 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2650 | ---- | ---- | ---- | 82.40N | 93.10+ | 1070 | .401 | ---- | 8 | 159 | UNCH | ---- | ---- |
| 2700 | ---- | ---- | ---- | 97.10N | 109.30+ | 1220 | .467 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 114.50N | 128.70+ | 1420 | .542 | ---- | ---- | 4 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 16 | 2006 + 8 | | | |
| MAR19 | | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | 7.30N | 8.30+ | 100 | .027 | ---- | ---- | 45 | UNCH | 11.50 | 5.60 |
| 2000 | ---- | ---- | ---- | 18.30N | 20.60+ | 230 | .069 | ---- | ---- | 9 | UNCH | 15.50B | ---- |
| 2100 | ---- | ---- | ---- | 24.30N | 27.30+ | 300 | .092 | ---- | ---- | 56 | UNCH | 20.80 | 20.80 |
| 2260 | ---- | ---- | ---- | 37.60N | 42.10+ | 450 | .144 | ---- | ---- | 45 | UNCH | 33.80 | 33.80 |
| TOTAL | | | | | | | | | 0 | 155 | | | |
| JUN19 | | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1700 | ---- | ---- | ---- | 12.10N | 13.30+ | 120 | .037 | ---- | ---- | 15 | UNCH | 26.00 | 10.20 |
| TOTAL | | | | | | | | | 0 | 15 | | | |
| EOM S&P 500 P | | | | | | | | | | | | | |
| JUN18 | EOM S&P 500 P | (FUTURES SETT. .00) | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | ---- | ---- |
| 1400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 600 | UNCH | .10 | .10 |
| 1425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 300 | UNCH | .15 | .15 |
| 1475 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 236 | UNCH | .35 | .35 |
| 1550 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1575 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 261 | UNCH | .35 | .20 |
| 1600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1059 | UNCH | ---- | .10A |
| 1625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 308 | UNCH | .35 | .10 |
| 1650 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 236 | UNCH | .40 | .35 |
| 1670 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | ---- | ---- |
| 1690 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | .10 | .10 |
| 1710 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1725 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1750 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 250 | UNCH | ---- | ---- |
| 1760 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 1775 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 55 | UNCH | .90 | .35 |
| 1780 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 300 | UNCH | .15 | .15 |
| 1800 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 675 | UNCH | .20 | .10 |
| 1810 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .40 | .20A |
| 1820 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 857 | UNCH | .20 | .15 |
| 1840 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 464 | UNCH | .20 | .15 |
| 1850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1002 | UNCH | .35 | .35 |
| 1870 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3 | UNCH | 1.20 | 1.20 |
| 1900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 750 | UNCH | .15 | .10 |
| 1920 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 100 | UNCH | .10 | .10 |
| 1925 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | UNCH | .20 | .10A |
| 1950 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 918 | UNCH | .10 | .10 |
| 1970 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1000 | UNCH | .20 | .20 |
| 2000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2260 | UNCH | ---- | ---- |
| 2025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1549 | UNCH | .35 | .10 |
| 2030 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 118 | UNCH | .35 | .35 |
| 2040 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 48 | UNCH | .15 | .10 |
| 2050 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 283 | UNCH | .35 | .15 |
| 2060 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 225 | UNCH | .15 | .15 |
| 2070 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 200 | UNCH | .15 | .15 |
| 2100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4100 | UNCH | .35 | .10 |
| 2125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | ---- | ---- |
| 2150 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2365 | UNCH | 18.10 | 1.00 |
| 2170 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | UNCH | .30 | .30 |
| 2175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1265 | UNCH | .10 | .10 |
| 2180 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | UNCH | .25 | .25 |
| 2190 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 283 | UNCH | .10 | .10 |
| 2200 | ---- | CAB | CAB | ---- | CAB | ---- | ---- | ---- | 150 | 1078 + 20 | | 1.20 | .25 |
| 2225 | ---- | CAB | CAB | ---- | CAB | ---- | ---- | ---- | 50 | 615 | UNCH | .10 | .10 |
| 2250 | ---- | CAB | CAB | ---- | .05+ | 5 | ---- | ---- | 3065 | 3790 + 3065 | | .30 | .10 |
| 2260 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 950 | UNCH | .30 | .10 |
| 2270 | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 103 | UNCH | .25 | .25 |
| 2275 | ---- | ---- | ---- | 0.05N | .05 | UNCH | .000 | ---- | ---- | 5359 | UNCH | .55 | .10 |
| 2280 | ---- | ---- | ---- | 0.05N | .05 | UNCH | .000 | ---- | ---- | 5 | UNCH | .25 | .10 |
| 2290 | ---- | ---- | ---- | 0.05N | .05 | UNCH | .000 | ---- | ---- | 2100 | UNCH | .10 | .10 |
| 2300 | ---- | CAB | CAB | ---- | .05 | UNCH | .000 | ---- | 1000 | 4894 + 1000 | | 2.20 | .10 |
| 2310 | ---- | ---- | ---- | 0.05N | .05 | UNCH | .000 | ---- | ---- | 54 | UNCH | .45 | .10 |
| 2325 | 0.10 | #.10 | *.10 | 0.10 | .05 | UNCH | .000 | ---- | 1700 | 2225 + 1800 | | .10 | .10 |
| 2330 | ---- | ---- | ---- | 0.05N | .10+ | 5 | .000 | ---- | ---- | 125 | UNCH | ---- | ---- |
| 2335 | ---- | ---- | ---- | 0.10N | .10 | UNCH | .000 | ---- | ---- | 500 | UNCH | ---- | ---- |
| 2340 | ---- | ---- | ---- | 0.10N | .10 | UNCH | .000 | ---- | ---- | 20 | UNCH | .55 | .25 |
| 2350 | ---- | ---- | ---- | 0.10N | .10 | UNCH | .000 | ---- | ---- | 8722 | UNCH | 4.90 | .10 |
| 2360 | ---- | ---- | ---- | 0.10N | .10 | UNCH | .000 | ---- | ---- | 6303 | UNCH | .50 | .15 |
| 2365 | ---- | ---- | ---- | 0.10N | .10 | UNCH | .000 | ---- | ---- | 220 | UNCH | .70 | .15A |
| 2370 | ---- | ---- | ---- | 0.15N | .10- | 5 | .000 | ---- | ---- | 4050 | UNCH | .50 | .15 |
| 2375 | 0.10 | .10 | CAB | 0.10 | .10- | 5 | .000 | ---- | 1325 | 1475 + 1165 | | .70 | .25 |
| 2380 | ---- | ---- | ---- | 0.15N | .10- | 5 | .000 | ---- | ---- | 2072 | UNCH | .70 | .10A |
| 2385 | ---- | ---- | ---- | 0.15N | .10- | 5 | .000 | ---- | 10 | 200 | UNCH | .60 | .10 |
| 2390 | ---- | ---- | ---- | 0.15N | .15 | UNCH | .000 | ---- | ---- | 596 | UNCH | .60 | .10 |
| 2400 | ---- | .15 | CAB | 0.15 | .20+ | 5 | .000 | ---- | 3779 | 7699 + 1923 | | 4.15 | .10 |
| 2410 | ---- | ---- | ---- | 0.15N | .20+ | 5 | .000 | ---- | ---- | 214 | UNCH | .70 | .15 |
| 2415 | ---- | ---- | ---- | 0.15N | .20+ | 5 | .000 | ---- | ---- | 50 | UNCH | .20 | .20 |
| 2420 | ---- | ---- | ---- | 0.15N | .20+ | 5 | .000 | ---- | ---- | 1050 | UNCH | .30 | .20 |
| 2425 | ---- | CAB | CAB | ---- | .20+ | 5 | .000 | ---- | 500 | 644 + 500 | | .45B | .25A |
| 2430 | ---- | ---- | ---- | 0.15N | .20+ | 5 | .000 | ---- | ---- | 20 | UNCH | ---- | ---- |

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# S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2435 | ---- | ---- | ---- | 0.15N | .20+ | 5 | .000 | ---- | ---- | 3 | UNCH | .25 | .20A |
| 2445 | ---- | ---- | ---- | 0.15N | .25+ | 10 | .001 | ---- | ---- | 400 | UNCH | .20 | .20 |
| 2450 | ---- | ---- | ---- | 0.15N | .25+ | 10 | .001 | ---- | ---- | 2449 | UNCH | .80 | .20A |
| 2460 | ---- | ---- | ---- | 0.15N | .25+ | 10 | .001 | ---- | ---- | 53 | UNCH | .35B | .25 |
| 2470 | 0.20 | #.20 | *.20 | 0.20 | .25+ | NEW | .001 | ---- | 500 | 500 + | 500 | .20 | .20 |
| 2475 | ---- | ---- | ---- | 0.15N | .25+ | 10 | .001 | ---- | ---- | 158 | UNCH | 2.10 | .85 |
| 2490 | ---- | ---- | ---- | 0.20N | .25+ | 5 | .001 | ---- | ---- | 51 | UNCH | 5.30 | 5.30 |
| 2495 | ---- | ---- | ---- | 0.20N | .25+ | 5 | .001 | ---- | ---- | 238 | UNCH | 5.50 | 5.50 |
| 2500 | 0.10 | .20 | *.10 | 0.20 | .25+ | 5 | .001 | ---- | 3600 | 2434 + | 1434 | 6.30 | .10 |
| 2510 | 0.10 | #.10 | *.10 | 0.10 | .25+ | 5 | .001 | ---- | 400 | 424 + | 400 | .10 | .10 |
| 2515 | ---- | ---- | ---- | 0.25N | .30+ | 5 | .002 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 2520 | ---- | ---- | ---- | 0.25N | .30+ | 5 | .002 | ---- | ---- | 800 | UNCH | 1.15B | ---- |
| 2525 | 0.10 | .10 | *.10 | 0.10 | .30+ | 5 | .002 | ---- | 20 | 1225 + | 20 | 6.70 | .10 |
| 2530 | 0.10 | #.10 | *.10 | 0.10 | .30+ | 5 | .002 | ---- | 20 | 26 + | 20 | .10 | .10 |
| 2540 | 0.35 | .35 | *.35 | 0.35 | .35+ | 10 | .003 | ---- | 115 | 249 + | 115 | 1.60 | .35 |
| 2545 | ---- | ---- | ---- | 0.30N | .35+ | 5 | .003 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2550 | 0.30 @0.35 | .35 | *.30 | 0.35 | .40+ | 10 | .004 | ---- | 1003 | 2711 + | 328 | .60 | .30 |
| 2560 | 0.30 | #.30 | *.30 | 0.30 | .40+ | 10 | .004 | ---- | 100 | 124 + | 100 | .30 | .30 |
| 2565 | ---- | ---- | ---- | 0.30N | .45+ | 15 | .005 | ---- | ---- | 77 | UNCH | 1.30 | .85 |
| 2570 | ---- | ---- | ---- | 0.35N | .45+ | 10 | .005 | ---- | 310 | 565 - | 11 | ---- | ---- |
| 2575 | ---- | ---- | ---- | 0.35N | .50+ | 15 | .006 | ---- | ---- | 286 | UNCH | 2.40 | .70 |
| 2580 | ---- | ---- | ---- | 0.40N | .50+ | 10 | .006 | ---- | ---- | 134 | UNCH | 2.10 | 1.60 |
| 2585 | ---- | ---- | ---- | 0.40N | .55+ | 15 | .007 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2590 | ---- | ---- | ---- | 0.45N | .60+ | 15 | .008 | ---- | ---- | 55 | UNCH | ---- | ---- |
| 2595 | 0.15 | #.15 | *.15 | 0.15 | .65+ | NEW | .009 | ---- | 300 | 300 + | 300 | .15 | .15 |
| 2600 | 0.30 | #.70 | *.30 | 0.70 | .70+ | 20 | .011 | ---- | 493 | 1084 + | 434 | .70 | .30 |
| 2605 | ---- | ---- | ---- | 0.55N | .75+ | 20 | .012 | ---- | ---- | 326 | UNCH | ---- | ---- |
| 2610 | ---- | ---- | ---- | 0.60N | .85+ | 25 | .015 | ---- | 310 | 512 - | 150 | ---- | ---- |
| 2615 | ---- | ---- | *.25A | 0.25A | .95+ | NEW | .017 | ---- | 7 | 7 + | 7 | ---- | .25A |
| 2620 | ---- | ---- | ---- | 0.70N | 1.10+ | 40 | .021 | ---- | 300 | 776 - | 75 | 1.75 | 1.75 |
| 2625 | 1.40 | #1.40 | *1.40 | 1.40 | 1.30+ | 50 | .027 | ---- | ---- | 8 | UNCH | 1.40 | 1.40 |
| 2635 | ---- | ---- | ---- | 1.00N | 1.75+ | 75 | .040 | ---- | ---- | 3 | UNCH | 2.95 | 2.95 |
| 2640 | ---- | ---- | ---- | 1.10N | 2.05+ | 95 | .050 | ---- | 7 | 47 + | 7 | ---- | ---- |
| 2645 | 0.50 | #.50 | *.50 | 0.50 | 2.40+ | 115 | .061 | ---- | 553 | 579 + | 236 | .50 | .50 |
| 2650 | ---- | ---- | ---- | 1.45N | 2.85+ | 140 | .076 | ---- | 500 | 928 + | 222 | ---- | ---- |
| 2655 | ---- | ---- | ---- | 1.65N | 3.35+ | 170 | .092 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2660 | ---- | ---- | ---- | 1.95N | 3.95+ | 200 | .113 | ---- | ---- | 136 | UNCH | ---- | ---- |
| 2670 | ---- | ---- | ---- | 2.60N | 5.40+ | 280 | .164 | ---- | ---- | 14 | UNCH | ---- | ---- |
| 2675 | ---- | ---- | ---- | 3.05N | 6.40+ | 335 | .198 | ---- | 28 | 858 - | 23 | 1.90 | 1.90 |
| 2680 | ---- | ---- | ---- | 3.50N | 7.40+ | 390 | .235 | ---- | 290 | 582 - | 14 | ---- | ---- |
| 2690 | ---- | ---- | ---- | 4.70N | 10.00+ | 530 | .326 | ---- | ---- | 57 | UNCH | ---- | 7.80A |
| 2695 | 3.80 | #3.80 | *3.80 | 3.80 | 11.60+ | NEW | .379 | ---- | 275 | 275 + | 275 | 3.80 | 3.80 |
| 2700 | 3.70 | 11.00B | *3.70 | 11.00B | 13.30+ | 710 | .436 | ---- | 275 | 1194 + | 275 | 18.70 | 3.70 |
| 2705 | ---- | ---- | ---- | 7.20N | 15.30+ | 810 | .498 | ---- | ---- | 113 | UNCH | 7.20 | 3.80 |
| 2710 | 6.00 | 12.00 | 6.00 | 12.00 | 17.60+ | 930 | .564 | ---- | 14 | 130 + | 3 | 14.50 | 6.00 |
| 2715 | 21.00 | #21.00 | 21.00 | 21.00 | 20.10+ | 1050 | .631 | ---- | 50 | 51 - | 4 | 21.00 | 7.60 |
| 2720 | 8.50 | #15.50 | *8.50 | 15.50 | 22.90+ | 1190 | .698 | ---- | 156 | 427 + | 1 | 15.50 | 8.50 |
| 2725 | ---- | ---- | ---- | 12.70N | 26.00+ | 1330 | .762 | ---- | ---- | 85 | UNCH | 10.00 | 10.00 |
| 2730 | 8.80 | #20.60 | *8.80 | 20.60 | 29.40+ | 1470 | .821 | ---- | 4 | 374 | UNCH | 20.60 | 8.80 |
| 2735 | ---- | ---- | ---- | 16.90N | 33.10+ | 1620 | .872 | ---- | 40 | 40 - | 1 | 7.10 | 7.10 |
| 2740 | 8.50 | #8.50 | *8.50 | 8.50 | 37.10+ | 1760 | .914 | ---- | 1 | 146 + | 1 | 8.50 | 8.50 |
| 2750 | 30.00 | 30.00 | 30.00 | 30.00 | 45.90+ | 2020 | .967 | ---- | 125 | 368 - | 25 | 30.70 | 10.30A |
| 2765 | ---- | ---- | ---- | 37.70N | 60.30+ | 2260 | .994 | ---- | ---- | 1 | UNCH | 17.50 | 17.50 |
| 2775 | ---- | ---- | ---- | 47.00N | 70.10+ | 2310 | .999 | ---- | ---- | 20 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 21375 | 100869 + 13848 | | | |
| JUL18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1025 | ---- | ---- | ---- | 0.05N | .05 | UNCH | .000 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1100 | ---- | ---- | ---- | 0.10N | .05- | 5 | .000 | ---- | ---- | 100 | UNCH | ---- | .75A |
| 1300 | ---- | ---- | ---- | 0.15N | .10- | 5 | .000 | ---- | ---- | 52 | UNCH | ---- | ---- |
| 1325 | ---- | ---- | ---- | 0.15N | .15 | UNCH | .000 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1600 | ---- | ---- | ---- | 0.25N | .35+ | 10 | .001 | ---- | ---- | 177 | UNCH | .35 | .35 |
| 1650 | ---- | ---- | ---- | 0.30N | .40+ | 10 | .002 | ---- | ---- | 177 | UNCH | .55B | .35 |
| 1690 | ---- | ---- | ---- | 0.35N | .45+ | 10 | .002 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | 0.35N | .45+ | 10 | .002 | ---- | ---- | 200 | UNCH | .55 | .55 |
| 1730 | ---- | ---- | ---- | 0.35N | .50+ | 15 | .003 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1790 | ---- | ---- | ---- | 0.45N | .60+ | 15 | .003 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1800 | ---- | ---- | ---- | 0.45N | .60+ | 15 | .003 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1900 | ---- | ---- | ---- | 0.65N | .85+ | 20 | .005 | ---- | ---- | 62 | UNCH | 1.50 | 1.50 |
| 1920 | ---- | ---- | ---- | 0.70N | .90+ | 20 | .006 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 1970 | 0.95 | #.95 | *.95 | 0.95 | 1.10+ | NEW | .007 | ---- | 300 | 300 + | 300 | .95 | .95 |
| 1975 | ---- | ---- | ---- | 0.85N | 1.10+ | 25 | .007 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 2050 | ---- | ---- | ---- | 1.05N | 1.40+ | 35 | .010 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 1.25N | 1.65+ | 40 | .013 | ---- | ---- | 500 | UNCH | ---- | ---- |
| 2200 | ---- | ---- | ---- | 1.80N | 2.40+ | 60 | .020 | ---- | ---- | 181 | UNCH | 3.15 | 1.60 |
| 2275 | ---- | ---- | ---- | 2.40N | 3.15+ | 75 | .028 | ---- | ---- | 65 | UNCH | ---- | ---- |
| 2300 | ---- | ---- | ---- | 2.70N | 3.55+ | 85 | .033 | ---- | ---- | 64 | UNCH | ---- | ---- |
| 2350 | ---- | ---- | ---- | 3.35N | 4.55+ | 120 | .043 | ---- | ---- | 115 | UNCH | 3.10 | 3.10 |
| 2365 | ---- | ---- | ---- | 3.55N | 4.95+ | 140 | .048 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 2370 | ---- | ---- | ---- | 3.60N | 5.10+ | 150 | .049 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 2375 | ---- | ---- | ---- | 3.70N | 5.20+ | 150 | .050 | ---- | ---- | 1335 | UNCH | ---- | ---- |
| 2390 | ---- | ---- | ---- | 4.00N | 5.70+ | 170 | .056 | ---- | ---- | 534 | UNCH | ---- | ---- |
| 2400 | ---- | ---- | ---- | 4.25N | 5.90+ | 165 | .058 | ---- | ---- | 129 | UNCH | ---- | ---- |
| 2410 | ---- | ---- | ---- | 4.50N | 6.20+ | 170 | .062 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2425 | ---- | ---- | ---- | 4.95N | 6.70+ | 175 | .068 | ---- | ---- | 230 | UNCH | ---- | ---- |
| 2430 | ---- | ---- | ---- | 5.10N | 6.90+ | 180 | .070 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2450 | ---- | ---- | ---- | 5.70N | 7.70+ | 200 | .079 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2465 | ---- | ---- | ---- | 6.10N | 8.50+ | 240 | .088 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2485 | ---- | ---- | ---- | 6.80N | 9.50+ | 270 | .100 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 7.50N | 10.40+ | 290 | .110 | ---- | ---- | 90 | UNCH | ---- | ---- |
| 2510 | ---- | ---- | ---- | 8.10N | 11.20+ | 310 | .119 | ---- | 310 | 436 + | 310 | ---- | ---- |
| 2520 | ---- | ---- | ---- | 8.50N | 11.90+ | 340 | .127 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 8.80N | 12.30+ | 350 | .132 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2545 | ---- | ---- | ---- | 10.00N | 14.00+ | 400 | .152 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 10.40N | 14.50+ | 410 | .157 | ---- | 310 | 436 + | 310 | ---- | ---- |
| 2580 | ---- | ---- | ---- | 12.50N | 17.70+ | 520 | .194 | ---- | ---- | 16 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 14.60N | 20.50+ | 590 | .226 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2610 | ---- | ---- | ---- | 15.70N | 22.00+ | 630 | .243 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 2650 | ---- | ---- | ---- | 21.10N | 29.60+ | 850 | .327 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 49.60N | 66.50+ | 1690 | .669 | ---- | ---- | 8 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 920 | 6271 + 920 | | | |
| AUG18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 45 | UNCH | ---- | ---- |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 8 | UNCH | .10 | .10 |
| 2100 | ---- | ---- | ---- | 3.35N | 4.10+ | 75 | .026 | ---- | ---- | 45 | UNCH | ---- | ---- |
| 2200 | ---- | ---- | ---- | 4.85N | 6.00+ | 115 | .040 | ---- | ---- | 180 | UNCH | 7.30 | 6.20 |
| 2410 | ---- | ---- | ---- | 11.30N | 14.10+ | 280 | .105 | ---- | 3 | 253 + | 3 | ---- | ---- |
| 2415 | ---- | ---- | ---- | 11.60N | 14.40+ | 280 | .108 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 2425 | ---- | ---- | ---- | 12.10N | 15.20+ | 310 | .114 | ---- | ---- | 1035 | UNCH | ---- | ---- |
| 2430 | ---- | ---- | ---- | 12.40N | 15.50+ | 310 | .116 | ---- | 3 | 288 + | 3 | ---- | ---- |
| 2450 | ---- | ---- | ---- | 13.60N | 17.10+ | 350 | .129 | ---- | ---- | 570 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 17.20N | 21.60+ | 440 | .166 | ---- | ---- | 1008 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 22.00N | 27.60+ | 560 | .215 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 2675 | ---- | ---- | ---- | 42.90N | 53.50+ | 1060 | .417 | ---- | ---- | 1000 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 6 | 4694 + 6 | | | |
| SEP18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | UNCH | ---- | ---- |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 1300 | ---- | ---- | ---- | 0.45N | .50+ | 5 | .002 | ---- | ---- | 2575 | UNCH | .35 | .35 |
| 2100 | ---- | ---- | ---- | 5.50N | 6.70+ | 120 | .038 | ---- | ---- | 2080 | UNCH | 4.05 | 4.05 |
| 2500 | ---- | ---- | ---- | 25.70N | 31.60+ | 590 | .197 | ---- | ---- | 50 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 4765 | | | |
| OCT18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10 | UNCH | .10 | .10 |
| 2050 | ---- | ---- | ---- | 7.20N | 8.80+ | 160 | .042 | ---- | ---- | 285 | UNCH | ---- | ---- |
| 2075 | ---- | ---- | ---- | 7.90N | 9.60+ | 170 | .047 | ---- | ---- | 2355 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 8.60N | 10.40+ | 180 | .051 | ---- | ---- | 1820 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 36.00N | 43.00+ | 700 | .224 | ---- | ---- | 10 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 4480 | | | |
| NOV18 | | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 8 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 11.40N | 13.70+ | 230 | .061 | ---- | ---- | 8 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 16 | | | |

E-MINI S&P 500 FIXING PRICE (ESF): Sep19 2702.24

## ADDITIONAL S&P PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EOW3 S&P 500 P | | | | | | | | | | | | |
| JUL18 | EOW3 S&P 500 P | (FUTURES SETT. | .00) | | | | | | | | | |
| 100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 464 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 15 | UNCH | .25 | .25 |
| 1025 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 7 | UNCH | ---- | ---- |
| 1200 | ---- | ---- | ---- | .05N | .05 | UNCH | .000 | ---- | ---- | 1000 | UNCH | ---- | .10A |
| 1275 | ---- | ---- | ---- | .05N | .05 | UNCH | .000 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 1300 | ---- | ---- | ---- | .05N | .05 | UNCH | .000 | ---- | ---- | 85 | UNCH | ---- | ---- |
| 1350 | ---- | ---- | ---- | .05N | .10+ | 0.05 | .000 | ---- | ---- | 258 | UNCH | .35 | .35 |
| 1375 | ---- | ---- | ---- | .05N | .10+ | 0.05 | .000 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 1400 | ---- | ---- | ---- | .10N | .10 | UNCH | .000 | ---- | ---- | 2030 | UNCH | .65 | .10 |
| 1450 | ---- | CAB | CAB | ---- | .10 | UNCH | .000 | ---- | 300 | 300 + | 300 | ---- | ---- |
| 1475 | ---- | ---- | ---- | .10N | .10 | UNCH | .000 | ---- | ---- | 118 | UNCH | ---- | ---- |
| 1500 | ---- | ---- | ---- | .10N | .15+ | 0.05 | .000 | ---- | ---- | 1040 | UNCH | .35 | .35 |
| 1525 | ---- | ---- | ---- | .10N | .15+ | 0.05 | .000 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 1575 | ---- | ---- | ---- | .15N | .15 | UNCH | .000 | ---- | ---- | 145 | UNCH | .40 | .40 |

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# S&P 500 PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1600 | ---- | ---- | ---- | .15N | .20+ | 0.05 | .001 | ---- | 200 | 235 + | 200 | .45 | .40 |
| 1625 | ---- | ---- | ---- | .15N | .20+ | 0.05 | .001 | ---- | ---- | 50 - | 50 | ---- | ---- |
| 1670 | ---- | ---- | ---- | .20N | .20 | UNCH | .001 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 1680 | ---- | ---- | ---- | .20N | .25+ | 0.05 | .001 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 1700 | ---- | ---- | ---- | .20N | .25+ | 0.05 | .001 | ---- | ---- | 177 | UNCH | .35 | .35 |
| 1750 | ---- | ---- | ---- | .20N | .30+ | 0.10 | .001 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 1780 | ---- | ---- | ---- | .25N | .30+ | 0.05 | .001 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 1825 | ---- | ---- | ---- | .25N | .35+ | 0.10 | .002 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 1890 | ---- | ---- | ---- | .35N | .45+ | 0.10 | .003 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 1920 | ---- | ---- | ---- | .40N | .50+ | 0.10 | .003 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 1925 | ---- | ---- | ---- | .40N | .50+ | 0.10 | .003 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 1950 | ---- | ---- | ---- | .45N | .55+ | 0.10 | .004 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 1975 | ---- | ---- | ---- | .45N | .60+ | 0.15 | .004 | ---- | ---- | 80 | UNCH | ---- | ---- |
| 1980 | ---- | ---- | ---- | .50N | .60+ | 0.10 | .004 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2000 | ---- | ---- | ---- | .50N | .65+ | 0.15 | .005 | ---- | ---- | 358 - | 75 | ---- | ---- |
| 2050 | ---- | ---- | ---- | .60N | .75+ | 0.15 | .006 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2060 | ---- | ---- | ---- | .65N | .80+ | 0.15 | .006 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2075 | ---- | ---- | ---- | .65N | .85+ | 0.20 | .007 | ---- | ---- | 250 | UNCH | 4.25 | 4.25 |
| 2090 | ---- | ---- | ---- | .70N | .90+ | 0.20 | .007 | ---- | ---- | 4 | UNCH | 16.00 | 16.00 |
| 2100 | ---- | ---- | ---- | .75N | .95+ | 0.20 | .008 | ---- | ---- | 1509 - | 57 | 3.95 | 3.95 |
| 2125 | ---- | ---- | ---- | .80N | 1.05+ | 0.25 | .009 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 2150 | ---- | ---- | ---- | .85N | 1.15+ | 0.30 | .010 | ---- | 150 | 2625 + | 149 | 3.90 | 2.10 |
| 2160 | ---- | ---- | ---- | .90N | 1.20+ | 0.30 | .010 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 2175 | ---- | ---- | ---- | .95N | 1.25+ | 0.30 | .011 | ---- | ---- | 670 | UNCH | ---- | ---- |
| 2180 | ---- | ---- | ---- | .95N | 1.25+ | 0.30 | .011 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2190 | ---- | ---- | ---- | 1.00N | 1.30+ | 0.30 | .012 | ---- | ---- | 54 | UNCH | ---- | ---- |
| 2200 | ---- | ---- | ---- | 1.05N | 1.40+ | 0.35 | .013 | ---- | ---- | 1281 | UNCH | 3.00 | 3.00 |
| 2220 | ---- | ---- | ---- | 1.15N | 1.50+ | 0.35 | .014 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2225 | ---- | ---- | ---- | 1.15N | 1.50+ | 0.35 | .014 | ---- | ---- | 320 | UNCH | 3.80 | 3.80 |
| 2230 | ---- | ---- | ---- | 1.20N | 1.55+ | 0.35 | .014 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2250 | ---- | ---- | ---- | 1.30N | 1.70+ | 0.40 | .016 | ---- | ---- | 75 - | 8 | ---- | ---- |
| 2260 | ---- | ---- | ---- | 1.35N | 1.75+ | 0.40 | .017 | ---- | ---- | 51 | UNCH | ---- | ---- |
| 2270 | ---- | ---- | ---- | 1.40N | 1.85+ | 0.45 | .018 | ---- | ---- | 150 | UNCH | 1.40 | 1.40 |
| 2275 | ---- | ---- | ---- | 1.45N | 1.85+ | 0.40 | .018 | ---- | ---- | 76 | UNCH | ---- | ---- |
| 2290 | ---- | ---- | ---- | 1.50N | 2.00+ | 0.50 | .020 | ---- | ---- | 6 | UNCH | 1.75 | 1.75 |
| 2300 | ---- | ---- | ---- | 1.60N | 2.10+ | 0.50 | .021 | ---- | ---- | 567 | UNCH | 3.60 | 1.90 |
| 2325 | ---- | ---- | ---- | 1.75N | 2.35+ | 0.60 | .025 | ---- | ---- | 127 | UNCH | ---- | ---- |
| 2330 | ---- | ---- | ---- | 1.80N | 2.40+ | 0.60 | .025 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2345 | ---- | ---- | ---- | 1.95N | 2.60+ | 0.65 | .028 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2350 | ---- | ---- | ---- | 2.00N | 2.65+ | 0.65 | .028 | ---- | ---- | 231 | UNCH | 20.20 | 1.85 |
| 2365 | ---- | ---- | ---- | 2.15N | 2.90+ | 0.75 | .032 | ---- | ---- | 756 | UNCH | 6.50 | 6.50 |
| 2370 | ---- | ---- | ---- | 2.20N | 2.95+ | 0.75 | .032 | ---- | ---- | 500 | UNCH | ---- | ---- |
| 2375 | ---- | ---- | ---- | 2.25N | 3.05+ | 0.80 | .034 | ---- | 203 | 1882 + | 200 | 4.10 | 3.60 |
| 2380 | ---- | ---- | ---- | 2.30N | 3.15+ | 0.85 | .035 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 2385 | ---- | ---- | ---- | 2.35N | 3.20+ | 0.85 | .036 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2390 | ---- | ---- | ---- | 2.40N | 3.30+ | 0.90 | .037 | ---- | ---- | 9 | UNCH | 2.00 | 2.00 |
| 2400 | 3.50 | 3.50 | *3.50 | 3.50 | 3.50+ | 1.00 | .040 | ---- | 201 | 1696 + | 100 | 21.20 | 3.50 |
| 2415 | ---- | ---- | ---- | 2.70N | 3.80+ | 1.10 | .044 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2425 | ---- | ---- | ---- | 2.85N | 4.05+ | 1.20 | .047 | ---- | ---- | 35 | UNCH | ---- | ---- |
| 2430 | ---- | ---- | ---- | 2.95N | 4.15+ | 1.20 | .049 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2435 | ---- | ---- | ---- | 3.05N | 4.30+ | 1.25 | .051 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2440 | ---- | ---- | ---- | 3.10N | 4.45+ | 1.35 | .052 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2445 | ---- | ---- | ---- | 3.20N | 4.60+ | 1.40 | .054 | ---- | ---- | 40 | UNCH | ---- | ---- |
| 2450 | ---- | ---- | ---- | 3.30N | 4.75+ | 1.45 | .057 | ---- | 450 | 2941 + | 450 | 2.55 | 2.55 |
| 2455 | ---- | ---- | ---- | 3.40N | 4.90+ | 1.50 | .059 | ---- | ---- | 21 | UNCH | 4.00 | 4.00 |
| 2470 | ---- | ---- | ---- | 3.75N | 5.40+ | 1.65 | .066 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2475 | ---- | ---- | ---- | 3.90N | 5.60+ | 1.70 | .068 | ---- | 3 | 100 - | 1 | ---- | ---- |
| 2480 | ---- | ---- | ---- | 4.00N | 5.80+ | 1.80 | .071 | ---- | ---- | 5 | UNCH | 5.80 | 5.80 |
| 2485 | ---- | ---- | ---- | 4.15N | 6.00+ | 1.85 | .074 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 2490 | ---- | ---- | ---- | 4.30N | 6.20+ | 1.90 | .076 | ---- | ---- | 8 | UNCH | 3.20 | 3.20 |
| 2500 | ---- | ---- | ---- | 4.60N | 6.70+ | 2.10 | .083 | ---- | ---- | 1608 | UNCH | 4.20 | 4.20 |
| 2510 | ---- | ---- | ---- | 4.95N | 7.10+ | 2.15 | .089 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 2520 | ---- | ---- | ---- | 5.30N | 7.70+ | 2.40 | .097 | ---- | ---- | 1740 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 5.50N | 7.90+ | 2.40 | .101 | ---- | ---- | 530 | UNCH | ---- | ---- |
| 2530 | ---- | ---- | ---- | 5.70N | 8.20+ | 2.50 | .105 | ---- | ---- | 73 | UNCH | ---- | ---- |
| 2540 | ---- | ---- | ---- | 6.20N | 8.90+ | 2.70 | .114 | ---- | ---- | 49 | UNCH | 4.15 | 4.15 |
| 2545 | ---- | ---- | ---- | 6.40N | 9.30+ | 2.90 | .120 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 6.60N | 9.60+ | 3.00 | .124 | ---- | ---- | 449 - | 10 | 4.40 | 4.40 |
| 2565 | ---- | ---- | ---- | 7.40N | 10.90+ | 3.50 | .142 | ---- | ---- | 6 | UNCH | 6.00 | 6.00 |
| 2570 | ---- | ---- | ---- | 7.70N | 11.40+ | 3.70 | .148 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2575 | ---- | ---- | ---- | 8.00N | 11.90+ | 3.90 | .155 | ---- | 25 | 1321 - | 164 | ---- | ---- |
| 2590 | ---- | ---- | ---- | 9.00N | 13.50+ | 4.50 | .177 | ---- | ---- | 149 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 9.80N | 14.80+ | 5.00 | .194 | ---- | 200 | 1242 + | 51 | 7.00 | 6.30 |
| 2625 | ---- | ---- | ---- | 12.30N | 18.40+ | 6.10 | .242 | ---- | ---- | 456 | UNCH | ---- | ---- |
| 2640 | ---- | ---- | ---- | 14.20N | 21.10+ | 6.90 | .277 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 2650 | ---- | ---- | ---- | 15.70N | 23.20+ | 7.50 | .304 | ---- | ---- | 715 | UNCH | ---- | ---- |
| 2660 | ---- | ---- | ---- | 17.30N | 25.50+ | 8.20 | .332 | ---- | ---- | 21 | UNCH | ---- | ---- |
| 2670 | ---- | ---- | ---- | 19.10N | 28.10+ | 9.00 | .363 | ---- | ---- | 36 - | 4 | ---- | ---- |
| 2675 | ---- | ---- | ---- | 20.10N | 29.50+ | 9.40 | .380 | ---- | ---- | 94 | UNCH | ---- | ---- |
| 2680 | ---- | ---- | ---- | 21.10N | 30.90+ | 9.80 | .397 | ---- | ---- | 136 | UNCH | ---- | ---- |
| 2685 | ---- | ---- | ---- | 22.20N | 32.40+ | 10.20 | .415 | ---- | ---- | 136 | UNCH | ---- | ---- |
| 2700 | ---- | ---- | ---- | 25.70N | 37.40+ | 11.70 | .472 | ---- | 6 | 694 - | 99 | 19.50 | 12.30 |
| 2720 | ---- | ---- | ---- | 31.60N | 45.40+ | 13.80 | .558 | ---- | 6 | 106 + | 6 | ---- | ---- |
| 2725 | ---- | ---- | ---- | 33.40N | 47.70+ | 14.30 | .581 | ---- | ---- | 77 | UNCH | ---- | ---- |
| 2740 | ---- | ---- | ---- | 39.20N | 55.40+ | 16.20 | .652 | ---- | ---- | 150 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 43.70N | 61.20+ | 17.50 | .700 | ---- | ---- | 408 - | 28 | ---- | ---- |
| 2775 | ---- | ---- | ---- | 58.00N | 78.10+ | 20.10 | .814 | ---- | ---- | 61 | UNCH | ---- | ---- |
| 2800 | ---- | ---- | ---- | 76.40N | 98.40+ | 22.00 | .903 | ---- | ---- | 172 | UNCH | ---- | ---- |
| 3000 | ---- | ---- | ---- | 271.20N | 294.70+ | 23.50 | .999 | ---- | ---- | 15 | UNCH | ---- | ---- |
| 3025 | ---- | ---- | ---- | 296.20N | 319.70+ | 23.50 | .999 | ---- | ---- | 7 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 34595 + | 960 | | |
| AUG18 | EOW3 S&P 500 P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 100 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 410 | UNCH | ---- | ---- |
| 1450 | .25 | #.25 | *.25 | .25 | .40 | NEW | .001 | ---- | 200 | 200 + | 200 | .25 | .25 |
| 1500 | ---- | ---- | ---- | .35N | .45 | NEW | .002 | ---- | 200 | 200 + | 200 | ---- | ---- |
| 2000 | ---- | ---- | ---- | 1.70N | 2.10+ | 0.40 | .013 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 2.35N | 2.95+ | 0.60 | .020 | ---- | ---- | 989 - | 186 | ---- | ---- |
| 2150 | ---- | ---- | ---- | 2.80N | 3.55+ | 0.75 | .025 | ---- | ---- | 2172 | UNCH | 4.05 | 3.75 |
| 2200 | ---- | ---- | ---- | 3.35N | 4.15+ | 0.80 | .031 | ---- | ---- | 6320 | UNCH | ---- | ---- |
| 2220 | ---- | ---- | ---- | 3.60N | 4.45+ | 0.85 | .034 | ---- | ---- | 6 | UNCH | 6.00 | 6.00 |
| 2250 | ---- | ---- | ---- | 4.05N | 5.10+ | 1.05 | .039 | ---- | ---- | 150 | UNCH | ---- | ---- |
| 2275 | ---- | ---- | ---- | 4.45N | 5.50+ | 1.05 | .043 | ---- | ---- | 250 | UNCH | 3.70 | 3.70 |
| 2290 | ---- | ---- | ---- | 4.70N | 5.90+ | 1.20 | .047 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2300 | ---- | ---- | ---- | 4.85N | 6.10+ | 1.25 | .049 | ---- | ---- | 166 | UNCH | ---- | ---- |
| 2340 | ---- | ---- | ---- | 5.80N | 7.60+ | 1.80 | .061 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2350 | ---- | ---- | ---- | 6.10N | 7.90+ | 1.80 | .064 | ---- | ---- | 484 | UNCH | 10.50 | 10.50 |
| 2365 | ---- | ---- | ---- | 6.60N | 8.40+ | 1.80 | .069 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 2370 | ---- | ---- | ---- | 6.70N | 8.60+ | 1.90 | .071 | ---- | ---- | 255 | UNCH | ---- | ---- |
| 2375 | ---- | ---- | ---- | 6.80N | 8.80+ | 2.00 | .073 | ---- | 200 | 1345 - | 29 | ---- | ---- |
| 2385 | ---- | ---- | ---- | 7.10N | 9.30+ | 2.20 | .077 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2400 | ---- | ---- | ---- | 7.70N | 10.00+ | 2.30 | .083 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 2425 | ---- | ---- | ---- | 8.70N | 11.20+ | 2.50 | .095 | ---- | ---- | 1580 | UNCH | ---- | ---- |
| 2450 | ---- | ---- | ---- | 9.70N | 12.60+ | 2.90 | .108 | ---- | ---- | 191 | UNCH | ---- | ---- |
| 2460 | ---- | ---- | ---- | 10.20N | 13.30+ | 3.10 | .115 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 2475 | ---- | ---- | ---- | 11.10N | 14.40+ | 3.30 | .125 | ---- | ---- | 19 | UNCH | ---- | ---- |
| 2480 | ---- | ---- | ---- | 11.40N | 14.80+ | 3.40 | .128 | ---- | ---- | 3 | UNCH | ---- | ---- |
| 2500 | ---- | ---- | ---- | 12.60N | 16.40+ | 3.80 | .144 | ---- | ---- | 122 | UNCH | ---- | ---- |
| 2515 | ---- | ---- | ---- | 13.70N | 17.80+ | 4.10 | .157 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 2525 | ---- | ---- | ---- | 14.40N | 18.80+ | 4.40 | .166 | ---- | ---- | 517 | UNCH | ---- | ---- |
| 2535 | ---- | ---- | ---- | 15.20N | 19.80+ | 4.60 | .176 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2550 | ---- | ---- | ---- | 16.50N | 21.50+ | 5.00 | .192 | ---- | ---- | 84 - | 6 | ---- | ---- |
| 2560 | ---- | ---- | ---- | 17.50N | 22.80+ | 5.30 | .204 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 21.90N | 28.70+ | 6.80 | .259 | ---- | ---- | 107 | UNCH | ---- | ---- |
| 2625 | ---- | ---- | ---- | 25.50N | 33.40+ | 7.90 | .301 | ---- | ---- | 450 | UNCH | ---- | ---- |
| 2675 | ---- | ---- | ---- | 35.10N | 45.70+ | 10.60 | .409 | ---- | ---- | 8 | UNCH | ---- | ---- |
| 2700 | ---- | ---- | ---- | 41.80N | 53.70+ | 11.90 | .475 | ---- | ---- | 115 | UNCH | ---- | ---- |
| 2710 | ---- | ---- | ---- | 44.80N | 57.40+ | 12.60 | .504 | ---- | ---- | 1 | UNCH | 35.00 | 35.00 |
| 2740 | ---- | ---- | ---- | 55.20N | 70.30+ | 15.10 | .600 | ---- | ---- | 50 | UNCH | ---- | ---- |
| 2750 | ---- | ---- | ---- | 59.40N | 75.30+ | 15.90 | .634 | ---- | ---- | 119 | UNCH | ---- | ---- |
| 2800 | ---- | ---- | ---- | 86.70N | 106.60+ | 19.90 | .803 | ---- | ---- | 85 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 16735 + | 179 | | |
| OCT18 | EOW3 S&P 500 P | (FUTURES SETT. | .00) | | | | | | | | | | |
| 1950 | ---- | ---- | ---- | 4.25N | 5.20+ | 0.95 | .026 | ---- | ---- | 2 | UNCH | 3.30 | 3.30 |
| 2050 | ---- | ---- | ---- | 6.00N | 7.20+ | 1.20 | .037 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2075 | ---- | ---- | ---- | 6.60N | 8.00+ | 1.40 | .041 | ---- | ---- | 260 | UNCH | ---- | ---- |
| 2100 | ---- | ---- | ---- | 7.30N | 8.80+ | 1.50 | .045 | ---- | ---- | 1565 | UNCH | ---- | ---- |
| 2250 | ---- | ---- | ---- | 12.20N | 15.00+ | 2.80 | .081 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2375 | ---- | ---- | ---- | 19.70N | 24.00+ | 4.30 | .132 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 2400 | ---- | ---- | ---- | 21.60N | 26.40+ | 4.80 | .145 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 2425 | ---- | ---- | ---- | 23.90N | 28.90+ | 5.00 | .160 | ---- | ---- | 21 | UNCH | 20.20 | 20.20 |
| 2575 | ---- | ---- | ---- | 43.00N | 51.60+ | 8.60 | .288 | ---- | ---- | 12 | UNCH | ---- | ---- |
| 2600 | ---- | ---- | ---- | 47.60N | 57.00+ | 9.40 | .318 | ---- | ---- | 12 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1907 | | | |

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# S&P 500 PUT OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL

PG50 BULLETIN #123@ S&P 500 PUT OPTIONS Wed, Jun 27, 2018 PG50

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDV MID | | | | | | | | | | | | | |
| JUN18 | MDV MID | (FUTURES SETT. .00) | | | | | | | | | | | |
| 2670 | ---- | ---- | ---- | .35N | CAB | ---- | ---- | ---- | 1 | ---- | 1 | ---- | ---- |
| 2690 | ---- | ---- | ---- | .95N | CAB | ---- | ---- | ---- | 1 | ---- | 276 | 1.10 | 1.10 |
| 2700 | 1.10 | #1.10 | *1.10 | 1.10 | CAB | ---- | ---- | ---- | 1 | ---- | UNCH | 1.10 | 1.10 |
| 2705 | .70 | .70 | *.70 | .70 | | 2.80+ | 0.65 | 1.000 | 2 | 2 | ---- | 2 | 2.90 | .70 |
| TOTAL | | | | | | | | | | 0 | 0 - | 6944 | | |
| MMV MID | | | | | | | | | | | | | |
| JUL18 | MMV MID | (FUTURES SETT. .00) | | | | | | | | | | | |
| 2225 | ---- | CAB | CAB | ---- | | .10 | NEW | .000 | ---- | 500 | 500 + | 500 | ---- | ---- |
| 2290 | .20 | #.20 | *.20 | .20 | | .15 | NEW | .001 | ---- | 4 | 4 + | 4 | .20 | .20 |
| 2350 | .15 | #.15 | *.15 | .15 | | .30 | NEW | .003 | ---- | 200 | 200 + | 200 | .15 | .15 |
| 2620 | ---- | ---- | ---- | 1.60N | | 2.75+ | 1.15 | .071 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 2640 | ---- | ---- | ---- | 2.25N | | 4.30+ | 2.05 | .116 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 708 + | 704 | | |

OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | EOO VOLUME |
|---|---|---|---|---|---|---|---|
| EOM S&P 500 P | EOM S&P 500 OPTIONS | | | | | | |
| JUN18 PUT | | | | | | | |
| EV | 2525 | ---- | ---- | 1000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 1000 | 0 | 0 | 0 |
| JUL18 PUT | | | | | | | |
| EV | 2100 | ---- | ---- | 300 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 300 | 0 | 0 | 0 |
| MDV MID | S&P 500 WEDNESDAY WEEKLY OPTIONS | | | | | | |
| JUN18 PUT | | | | | | | |
| S4C | 2705 | ---- | ---- | ---- | 2 | 2 | 0.00 |
| S4C | 2710 | ---- | ---- | ---- | 1 | 1 | 0.00 |
| S4C | 2720 | ---- | ---- | ---- | 8 | 8 | 8.00 |
| S4C | 2725 | ---- | ---- | ---- | 140 | 140 | 0.00 |
| S4C | 2740 | ---- | ---- | ---- | 8 | 8 | 8.00 |
| TOTALS | | 16 | 0 | 0 | 159 | 159 | 16 |

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# EURO DOLLAR CALL OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT REFLECT CME REGULAR TRADING HOURS SESSION ONLY. VOLUME CLEARED REFLECTS REGULAR TRADING HOURS (RTH) AND CME GLOBEX® VOLUME FOR FUTURES, AND COMBINED VOLUME FOR OPTIONS. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/4 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### EURO DOLLAR CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO DLR FUT | 06/18 | 07/16 | 08/13 | 09/17 | 10/15 | 11/19 | 12/17 | 01/14 | 02/18 | 03/18 | 06/17 |
| EURO DLR OPT | 06/18 | 07/13 | 08/10 | 09/17 | 10/12 | 11/16 | 12/17 | | | 03/18 | 06/17 |

EXPIRATION:

### EURO DOLLAR OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| ZE | 91.25-104.75 | 92.00-103.25 | 92.00-103.25 | 91.25-104.50 | 91.75-103.00 | 91.75-103.00 | 91.75-104.50 | 91.75-104.50 | 91.50-104.50 |

### EURO DOLLAR FUTURES

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE DISCOUNT | IMM INDEX % PT.CHGE.## | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | 97.6550 | 97.6625 | 97.6525 | ---- | 97.6550 | ( 2.34) + | 0.2 | ---- | 49861 | 221129 + 19038 | 97.9150B | 97.5850 |
| AUG18 | 97.6150 | 97.6200 | 97.6100 | ---- | 97.6150 | ( 2.38) + | 0.5 | ---- | 20756 | 97694 + 9378 | 97.7450B | 97.5400 |
| SEP18 | 97.5450 | 97.5600 | 97.5450 | ---- | 97.5500 | ( 2.45) + | 0.5 | 8806 | 265980 | 1302473 - 32948 | 99.1550 | 93.8350A |
| DEC18 | 97.3550 | 97.3800 | 97.3550 | ---- | 97.3700 | ( 2.63) + | 1.5 | 6977 | 242451 | 1822188 + 1075 | 99.1050 | 93.9100A |
| MAR19 | 97.2300 | 97.2600 | 97.2250 | ---- | 97.2550 | ( 2.74) + | 2.5 | 1393 | 244502 | 1323631 - 18277 | 99.0650 | 93.9050A |
| JUN19 | 97.1350 | 97.1700 | 97.1300 | ---- | 97.1650 | ( 2.83) + | 3.0 | 2828 | 261493 | 1294898 + 12916 | 99.0200 | 93.8800A |
| SEP19 | 97.0700 | 97.1150 | 97.0650 | ---- | 97.1100 | ( 2.89) + | 4.0 | 5728 | 249330 | 944862 - 3948 | 98.9750 | 93.8550A |
| DEC19 | 97.0250 | 97.0750 | 97.0200 | ---- | 97.0700 | ( 2.93) + | 4.5 | 664 | 268066 | 1826204 - 3123 | 98.9050 | 93.8000A |
| MAR20 | 97.0150 | 97.0650 | 97.0100 | ---- | 97.0600 | ( 2.94) + | 4.5 | 1339 | 173145 | 1003065 + 18988 | 98.8600 | 93.8400A |
| JUN20 | 97.0150 | 97.0700 | 97.0100 | ---- | 97.0650 | ( 2.93) + | 5.0 | 1669 | 148506 | 856956 + 9581 | 98.8150 | 94.0900A |
| SEP20 | 97.0150 | 97.0750 | 97.0100 | ---- | 97.0700 | ( 2.93) + | 5.5 | 13960 | 114914 | 751261 + 8254 | 98.7700 | 94.0450A |
| DEC20 | 97.0100 | 97.0700 | 97.0050 | ---- | 97.0650 | ( 2.93) + | 5.5 | 1644 | 108444 | 761015 - 1859 | 98.7150 | 93.9850A |
| MAR21 | 97.0200 | 97.0800 | 97.0150 | ---- | 97.0750 | ( 2.92) + | 5.5 | ---- | 76585 | 360709 + 7262 | 98.6700 | 94.2150A |
| JUN21 | 97.0200 | 97.0800 | 97.0150 | ---- | 97.0750 | ( 2.92) + | 5.5 | ---- | 78795 | 264816 - 2572 | 98.6200 | 94.4650A |
| SEP21 | 97.0200 | 97.0750 | 97.0100 | ---- | 97.0750 | ( 2.92) + | 5.5 | 2894 | 53366 | 224201 + 12058 | 98.5750 | 94.8800A |
| DEC21 | 97.0050 | 97.0700 | 97.0000 | ---- | 97.0650 | ( 2.93) + | 5.5 | 50 | 45406 | 312523 + 618 | 98.5200B | 94.8400A |
| MAR22 | 97.0100 | 97.0650 | 97.0000 | ---- | 97.0650 | ( 2.93) + | 5.5 | 450 | 30551 | 123507 + 2393 | 98.4800B | 94.8950A |
| JUN22 | 97.0050 | 97.0600 | 96.9950 | ---- | 97.0600 | ( 2.94) + | 5.5 | ---- | 28644 | 107505 + 1493 | 98.4350 | 94.7950A |
| SEP22 | 97.0000 | 97.0550 | 96.9900 | ---- | 97.0550 | ( 2.94) + | 5.5 | ---- | 23047 | 73817 + 902 | 98.3950B | 94.7750A |
| DEC22 | 96.9800 | 97.0400 | 96.9750 | ---- | 97.0350 | ( 2.96) + | 5.5 | ---- | 23582 | 121750 - 202 | 98.3500B | 94.7450A |
| MAR23 | 96.9800 | 97.0350 | 96.9700 | ---- | 97.0300 | ( 2.97) + | 5.5 | ---- | 20585 | 58359 + 23 | 98.3200B | 94.7300A |
| JUN23 | 96.9600 | 97.0200 | 96.9550 | ---- | 97.0200 | ( 2.98) + | 5.5 | ---- | 20698 | 25635 - 67 | 98.2850B | 94.7550A |
| SEP23 | 96.9650 | 97.0050 | 96.9500A | ---- | 97.0050 | ( 2.99) + | 5.0 | ---- | 1222 | 16415 + 203 | 98.2150 | 94.7600 |
| DEC23 | 96.9350 | 96.9850B | 96.9300A | ---- | 96.9850 | ( 3.01) + | 5.0 | ---- | 1141 | 9400 + 379 | 98.1600 | 94.7100 |
| MAR24 | 96.9400 | 96.9750 | 96.9200A | ---- | 96.9750 | ( 3.02) + | 5.0 | ---- | 830 | 6596 + 516 | 98.1600 | 95.4300 |
| JUN24 | 96.9200 | 96.9600B | 96.8950 | ---- | 96.9650 | ( 3.03) + | 5.0 | ---- | 947 | 4709 + 916 | 98.1450 | 95.5400 |
| SEP24 | ---- | 96.9300B | ---- | ---- | 96.9500 | ( 3.05) + | 5.0 | ---- | 7 | 2130 UNCH | 98.1100 | 96.0800A |
| DEC24 | 96.9050 | 96.9100 | 96.9050 | ---- | 96.9300 | ( 3.07) + | 4.5 | ---- | 15 | 1875 + 15 | 98.1000 | 96.2550A |
| MAR25 | ---- | 96.9050B | ---- | ---- | 96.9200 | ( 3.08) + | 4.5 | ---- | ---- | 463 UNCH | 98.0850 | 96.2400 |
| JUN25 | 96.8850 | 96.8850 | 96.8850 | ---- | 96.9100 | ( 3.09) + | 5.0 | ---- | 3 | 536 + 3 | 98.1100 | 96.2200A |
| SEP25 | ---- | ---- | ---- | ---- | 96.9000 | ( 3.10) + | 5.0 | ---- | ---- | 690 UNCH | 98.0900 | 96.6050 |
| DEC25 | ---- | ---- | ---- | ---- | 96.8850 | ( 3.11) + | 5.0 | ---- | ---- | 511 UNCH | 98.0650 | 96.5600 |
| MAR26 | ---- | ---- | ---- | ---- | 96.8800 | ( 3.12) + | 5.0 | ---- | ---- | 388 UNCH | 98.0100 | 96.5650 |
| JUN26 | ---- | ---- | ---- | ---- | 96.8700 | ( 3.13) + | 5.0 | ---- | ---- | 303 UNCH | 97.9850B | 96.7100 |
| SEP26 | ---- | ---- | ---- | ---- | 96.8650 | ( 3.13) + | 5.0 | ---- | ---- | 71 UNCH | 97.9250B | 96.6900 |
| DEC26 | ---- | ---- | ---- | ---- | 96.8550 | ( 3.14) + | 5.0 | ---- | ---- | 82 UNCH | 97.3900B | 96.6550 |
| MAR27 | ---- | ---- | ---- | ---- | 96.8450 | ( 3.15) + | 5.0 | ---- | ---- | 101 UNCH | 97.3800B | 96.5800 |
| JUN27 | ---- | ---- | ---- | ---- | 96.8400 | ( 3.16) + | 5.0 | ---- | ---- | 31 UNCH | 97.3700B | 96.6850A |
| SEP27 | ---- | ---- | ---- | ---- | 96.8350 | ( 3.16) + | 5.0 | ---- | ---- | 108 UNCH | 97.2600B | 96.6750A |
| DEC27 | ---- | ---- | ---- | ---- | 96.8250 | ( 3.17) + | 5.0 | ---- | ---- | 13 UNCH | 97.2100B | 96.6800A |
| | | | | | | | | 48402 | 2552872 | L3922620 + 43015 | | |

### ADDITIONAL EURO DOLLAR -FUTURES-

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE DISCOUNT | IMM INDEX % PT.CHGE.## | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SR1 FUT | | | | | | | | | | | | |
| JUN18 | 98.1650 | #98.1650 | 98.1625 | ---- | 98.1625 | ( 1.83) | UNCH | ---- | 232 | 2697 + 41 | 98.1650 | 98.1050 |
| JUL18 | 98.0750 | 98.0800 | 98.0700 | ---- | 98.0750 | ( 1.92) | UNCH | ---- | 298 | 1680 + 142 | 98.0850 | 98.0050 |
| AUG18 | 98.0750 | #98.0800 | 98.0750 | ---- | 98.0750 | ( 1.92) | UNCH | ---- | 193 | 1607 + 106 | 98.0800 | 97.9950A |
| SEP18 | 98.0500 | 98.0550 | 98.0500 | ---- | 98.0450 | ( 1.95) | UNCH | ---- | 129 | 1149 + 76 | 98.0550 | 97.9700A |
| OCT18 | 97.9000 | 97.9100 | 97.9000 | ---- | 97.9000 | ( 2.10) + | 0.010 | ---- | 189 | 455 + 90 | 97.9300 | 97.8150 |
| NOV18 | 97.8750 | 97.8900 | 97.8750 | ---- | 97.8850 | ( 2.11) + | 0.010 | ---- | 54 | 80 UNCH | 97.9450 | 97.8000A |
| TOTAL SR1 FUT | | | | | | | | 0 | 1095 | 7668 + 455 | | |
| SR3 FUT | | | | | | | | | | | | |
| JUN18 | ---- | ---- | 98.0750A | ---- | 98.0750 | ( 1.92) - | 0.005 | ---- | ---- | 1863 UNCH | 98.0750 | 97.9925A |
| SEP18 | 97.9150 | 97.9300 | 97.9150 | ---- | 97.9000 | ( 2.10) + | 0.005 | ---- | 101 | 377 - 29 | 97.9700B | 97.8050 |
| DEC18 | 97.7400 | 97.7650 | 97.7400 | ---- | 97.7400 | ( 2.26) + | 0.020 | ---- | 208 | 317 - 66 | 97.8700 | 97.6250 |
| MAR19 | 97.6000 | 97.6350 | 97.6000 | ---- | 97.6100 | ( 2.39) + | 0.030 | ---- | 137 | 639 - 5 | 97.7900B | 97.2550A |
| JUN19 | 97.5050 | 97.5500 | 97.5050 | ---- | 97.5150 | ( 2.48) + | 0.035 | ---- | 492 | 1467 - 18 | 97.7050 | 97.3550 |
| SEP19 | ---- | #97.4400B | ---- | ---- | 97.4550 | ( 2.54) + | 0.045 | ---- | 145 | 154 + 4 | 97.4400B | 97.3600 |
| DEC19 | ---- | 97.3750B | ---- | ---- | 97.4050 | ( 2.59) + | 0.045 | ---- | ---- | 150 UNCH | 97.4050 | 97.3200A |
| MAR20 | ---- | ---- | ---- | ---- | 97.3800 | ( 2.62) + | 0.045 | ---- | ---- | 150 UNCH | 97.3750 | 97.3750 |
| TOTAL SR3 FUT | | | | | | | | 0 | 1083 | 5117 - 114 | | |

### EURODOLLAR CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | RTH VOLUME | GLOBEX VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO DLR CALL | | | | | | | | | | | | | |
| JUL18 | EURO DLR CALL | | | | | | | | | | | | |
| 9712 | ---- | ---- | ---- | 0.420N | .425+ | 0.5 | .999 | ---- | ---- | ---- | 250 | UNCH .400B | .430A |
| 9725 | ---- | ---- | ---- | 0.295N | .300+ | 0.5 | .997 | ---- | ---- | ---- | 1980 | UNCH .370B | .240A |
| 9737 | ---- | ---- | ---- | 0.170N | .175+ | 0.5 | .951 | ---- | ---- | ---- | 1524 | UNCH .270B | .120A |
| 9750 | ---- | ---- | ---- | 0.052N | .055+ | 0.2 | .833 | ---- | ---- | ---- | 39246 | UNCH .190B | .030A |
| 9762 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .167 | ---- | 2200 | ---- | 90627 - 1500 | .200B | .010 |
| 9775 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .044 | ---- | ---- | ---- | 92584 | UNCH .110B | .000 |
| 9787 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | ---- | 36546 | UNCH .080B | .010 |
| 9800 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 47077 | UNCH .040B | .000 |
| 9812 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 45839 | UNCH .010 | .000 |
| 9825 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 25252 | UNCH .000 | .000 |
| TOTAL | | | | | | | | | 2200 | 0 | 380925 - 1500 | | |
| AUG18 | EURO DLR CALL | | | | | | | | | | | | |
| 9712 | ---- | ---- | ---- | 0.420N | .425+ | 0.5 | .999 | 3 | ---- | ---- | 247 - 3 | .500B | .360A |
| 9737 | ---- | ---- | ---- | 0.170N | .175+ | 0.5 | .947 | ---- | ---- | ---- | 500 | UNCH .310B | .120A |
| 9750 | ---- | ---- | ---- | 0.060N | .065+ | 0.5 | .721 | ---- | 250 | ---- | 11526 | UNCH .200B | .040A |

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# EURO DOLLAR CALL OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9762 | ---- | ---- | ---- | 0.015N | .017+ | 0.2 | .253 | ---- | 250 | ---- | 18337 | + 250 | .120B | .010 | |
| 9775 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .076 | ---- | ---- | ---- | 8220 | UNCH | .080B | .010A | |
| 9787 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .033 | ---- | ---- | ---- | 1508 | UNCH | .040B | .000 | |
| 9800 | ---- | ---- | ---- | ---- | CAB | ---- | .005 | ---- | ---- | ---- | 250 | UNCH | .010B | ---- | |
| TOTAL | | | | | | | | | 500 | 0 | 40588 | + 247 | | | |
| SEP18 | EURO DLR CALL | | | | | | | | | | | | | | |
| 9650 | 1.045 | 1.045 | 1.045 | 1.045 | 1.050+ | 0.5 | 1.000 | ---- | 41 | ---- | 14760 | - 41 | 1.930B | 1.030 | |
| 9675 | ---- | ---- | ---- | 0.795N | .800+ | 0.5 | 1.000 | ---- | ---- | ---- | 75 | UNCH | 1.680B | .730A | |
| 9700 | 0.550 | .550 | .550 | 0.550 | .550+ | 0.5 | 1.000 | ---- | 33 | ---- | 4968 | - 33 | 1.430B | .480A | |
| 9712 | ---- | ---- | ---- | 0.420N | .425+ | 0.5 | .999 | ---- | ---- | ---- | 2300 | UNCH | 1.300B | .360A | |
| 9737 | 0.160 | .160 | .160 | 0.160 | .177+ | 0.5 | .946 | ---- | 107 | ---- | 20303 | - 78 | 1.050B | .130A | |
| 9750 | ---- | ---- | ---- | 0.070N | .072+ | 0.2 | .680 | ---- | 600 | 100 | 184167 | + 500 | .930B | .060A | |
| 9762 | 0.022 | .022 | .022 | 0.022 | .027+ | 0.2 | .300 | ---- | 26123 | 7223 | 249114 | + 10881 | .810B | .020 | |
| 9775 | ---- | ---- | ---- | 0.007N | .010+ | 0.2 | .118 | ---- | 18687 | 14287 | 348673 | + 3162 | .760B | .010A | |
| 9787 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .056 | ---- | 750 | 750 | 128254 | + 500 | .630B | .010 | |
| 9800 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .027 | ---- | ---- | ---- | 44999 | UNCH | .590B | .000 | |
| 9812 | ---- | ---- | ---- | ---- | .002+ | 0.2 | .006 | ---- | 125 | 125 | 81855 | + 125 | .820 | .000 | |
| 9825 | ---- | CAB | CAB | ---- | CAB | ---- | .001 | ---- | 86 | ---- | 49150 | UNCH | .890 | .000 | |
| 9837 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 49258 | UNCH | .570B | .000 | |
| 9850 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 69430 | UNCH | .660B | .000 | |
| 9862 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 43326 | UNCH | .580B | .010 | |
| 9875 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 33773 | UNCH | .510B | .010 | |
| 9887 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 26863 | UNCH | .440B | .020A | |
| 9900 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 39536 | UNCH | .550B | .010 | |
| 9912 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 82458 | UNCH | .490B | .010 | |
| 9925 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 20293 | UNCH | .430B | .020 | |
| 9937 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 20965 | UNCH | .380B | .000 | |
| 9950 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 30140 | UNCH | .190B | .010A | |
| 9962 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 60582 | UNCH | .160B | .010A | |
| 9975 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1711 | UNCH | .200B | .010A | |
| 9987 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 910 | UNCH | .100B | .010 | |
| 10000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 7727 | UNCH | .100 | .000 | |
| 10012 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 420 | UNCH | .060B | .000 | |
| TOTAL | | | | | | | | | 46552 | 22485 | 1616010 | + 15016 | | | |
| OCT18 | EURO DLR CALL | | | | | | | | | | | | | | |
| 9725 | ---- | ---- | ---- | 0.130N | .142+ | 1.2 | .767 | ---- | ---- | ---- | 10500 | UNCH | .160B | .120A | |
| 9737 | ---- | ---- | ---- | 0.065N | .072+ | 0.7 | .489 | ---- | 1350 | 100 | 47831 | UNCH | .190B | .050A | |
| 9750 | ---- | ---- | ---- | 0.030N | .035+ | 0.5 | .269 | ---- | 3642 | 142 | 40069 | - 775 | .120B | .030A | |
| 9762 | ---- | ---- | ---- | 0.015N | .017+ | 0.2 | .142 | ---- | 2000 | ---- | 25113 | + 63 | .070B | .020A | |
| 9775 | ---- | ---- | ---- | 0.007N | .010+ | 0.2 | .080 | ---- | 7642 | 142 | 18358 | + 7358 | .030B | .010 | |
| 9787 | ---- | ---- | ---- | 0.005N | .007+ | 0.2 | .054 | ---- | ---- | ---- | 1100 | UNCH | .020B | .010A | |
| 9800 | ---- | ---- | ---- | 0.002N | .005+ | 0.2 | .035 | ---- | ---- | ---- | 3000 | UNCH | .010 | .010 | |
| TOTAL | | | | | | | | | 14634 | 384 | 145971 | + 6646 | | | |
| NOV18 | EURO DLR CALL | | | | | | | | | | | | | | |
| 9737 | ---- | ---- | ---- | 0.075N | .082+ | 0.7 | .491 | ---- | ---- | ---- | 5800 | UNCH | .200B | .060A | |
| 9750 | ---- | ---- | ---- | 0.040N | .045+ | 0.5 | .295 | ---- | ---- | ---- | 44145 | UNCH | .070B | .040A | |
| 9775 | ---- | ---- | ---- | 0.010N | .015+ | 0.5 | .103 | ---- | ---- | ---- | 5241 | UNCH | .020 | .020 | |
| TOTAL | | | | | | | | | 0 | 0 | 55186 | | | | |
| DEC18 | EURO DLR CALL | | | | | | | | | | | | | | |
| 9650 | 0.870 | .870 | .870 | 0.870 | .870+ | 1.5 | .999 | ---- | 16 | ---- | 4603 | UNCH | 1.450B | .800A | |
| 9675 | ---- | ---- | ---- | 0.605N | .620+ | 1.5 | .999 | ---- | ---- | ---- | 500 | UNCH | 1.590B | .690A | |
| 9687 | ---- | ---- | ---- | 0.480N | .495+ | 1.5 | .993 | ---- | ---- | ---- | 138 | UNCH | 1.470B | .430A | |
| 9700 | ---- | ---- | ---- | 0.355N | .370+ | 1.5 | .968 | ---- | ---- | ---- | 198 | UNCH | 1.340B | .310A | |
| 9712 | ---- | ---- | ---- | 0.237N | .250+ | 1.2 | .911 | ---- | ---- | ---- | 2500 | UNCH | 1.220B | .200A | |
| 9725 | 0.155 | .155 | *.155 | 0.155 | .157+ | 1.2 | .715 | ---- | 1671 | 825 | 13068 | + 1475 | 1.090B | .120A | |
| 9737 | ---- | ---- | ---- | 0.082N | .092+ | 1.0 | .492 | ---- | 1750 | 925 | 46295 | - 498 | .970B | .070 | |
| 9750 | ---- | ---- | ---- | 0.045N | .052+ | 0.7 | .310 | ---- | 310 | 310 | 160205 | UNCH | .940B | .040 | |
| 9762 | ---- | ---- | ---- | 0.025N | .030+ | 0.5 | .188 | ---- | ---- | ---- | 112380 | UNCH | .820B | .020 | |
| 9775 | ---- | ---- | ---- | 0.015N | .017+ | 0.2 | .113 | ---- | 4951 | 4201 | 170264 | - 843 | .700B | .010 | |
| 9787 | ---- | ---- | ---- | 0.010N | .012+ | 0.2 | .077 | ---- | 9402 | 8402 | 223583 | + 1430 | .590B | .010 | |
| 9800 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .047 | ---- | ---- | ---- | 120965 | UNCH | .960B | .010 | |
| 9812 | ---- | CAB | CAB | ---- | .005 | UNCH | .031 | ---- | 92 | ---- | 78699 | UNCH | .970 | .010 | |
| 9825 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .016 | ---- | ---- | ---- | 62241 | UNCH | .360B | .000 | |
| 9837 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | ---- | 62223 | UNCH | .520B | .010 | |
| 9850 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | ---- | 59695 | UNCH | .560 | .010 | |
| 9862 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | ---- | 44916 | UNCH | .660B | .010 | |
| 9875 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 40526 | UNCH | .470B | .000 | |
| 9887 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 16502 | UNCH | .380 | .000 | |
| 9900 | ---- | CAB | CAB | ---- | CAB | ---- | .000 | ---- | 675 | ---- | 231052 | - 337 | .400 | .000 | |
| 9912 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 15302 | UNCH | .340 | .020 | |
| 9925 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 18436 | UNCH | .310 | .000 | |
| 9937 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 4475 | UNCH | .120B | .010 | |
| 9950 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 49239 | UNCH | .210B | .010 | |
| 9962 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 250 | UNCH | .010B | .010 | |
| 9975 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 1876 | UNCH | .190 | .010A | |
| 9987 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 785 | UNCH | .090 | .010 | |
| 10000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 78255 | UNCH | .110 | .000 | |
| 10125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 5 | UNCH | .030B | .010 | |
| TOTAL | | | | | | | | | 18867 | 14663 | 1619176 | + 1227 | | | |
| MAR19 | EURO DLR CALL | | | | | | | | | | | | | | |

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51
Side 03

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9650 | 0.745 | .745 | .745 | 0.745 | .755+ | 2.5 | .992 | ---- | 18 | ---- | 5220 - | 18 | 1.770B | .660A |
| 9700 | ---- | ---- | ---- | 0.265N | .287+ | 2.2 | .797 | ---- | ---- | ---- | 3313 | UNCH | 1.270B | .230A |
| 9712 | 0.195 | .195 | .195 | 0.195 | .205+ | 1.7 | .653 | ---- | 67 | ---- | 21204 - | 67 | 1.160 | .150A |
| 9725 | ---- | ---- | ---- | 0.127N | .142+ | 1.5 | .506 | ---- | 13800 | 10300 | 85932 + | 9490 | 1.030B | .100A |
| 9737 | ---- | ---- | ---- | 0.087N | .097+ | 1.0 | .375 | ---- | 14650 | 11150 | 96700 + | 12900 | .920B | .060A |
| 9750 | ---- | ---- | ---- | 0.060N | .065+ | 0.5 | .268 | ---- | 3700 | ---- | 60426 + | 2850 | .800B | .040 |
| 9762 | ---- | ---- | ---- | 0.040N | .045+ | 0.5 | .192 | ---- | 3500 | 3500 | 67827 + | 2000 | .800B | .030A |
| 9775 | ---- | ---- | ---- | 0.027N | .032+ | 0.5 | .139 | ---- | 1000 | 1000 | 38771 | UNCH | .600 | .020 |
| 9787 | ---- | ---- | ---- | 0.020N | .022+ | 0.2 | .098 | ---- | ---- | ---- | 85566 | UNCH | 1.020 | .010 |
| 9800 | 0.015 | .015 | .015 | 0.015 | .017+ | 0.2 | .075 | ---- | 108 | ---- | 245938 - | 108 | 1.070 | .010 |
| 9812 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .054 | ---- | ---- | ---- | 41746 | UNCH | .400B | .010A |
| 9825 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .042 | ---- | ---- | ---- | 81632 | UNCH | .510B | .010 |
| 9837 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .031 | ---- | ---- | ---- | 32689 | UNCH | .730 | .010 |
| 9850 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .021 | ---- | ---- | ---- | 83947 | UNCH | .410B | .010 |
| 9862 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .011 | ---- | ---- | ---- | 16953 | UNCH | .150B | .000 |
| 9875 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | ---- | 44267 | UNCH | .530B | .020A |
| 9887 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | ---- | 28000 | UNCH | .190B | .010A |
| 9900 | ---- | CAB | CAB | ---- | CAB | ---- | .002 | ---- | 286 | ---- | 75116 - | 286 | .070B | .010 |
| 9912 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | ---- | 8950 | UNCH | .060B | .010 |
| 9925 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 7000 | UNCH | .040B | .020 |
| 9937 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 450 | UNCH | .030B | .020A |
| 9950 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 45600 | UNCH | .250B | .020 |
| 9962 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 251 | UNCH | .200 | .020 |
| 9975 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 225 | UNCH | .020 | .020 |
| 9987 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 383 | UNCH | .100 | .100 |
| 10000 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 3569 | UNCH | .120B | .010A |
| TOTAL | | | | | | | | | 37129 | 25950 | 1181675 + | 26761 | | |
| JUN19 | EURO DLR CALL | | | | | | | | | | | | | |
| 9687 | 0.335 | .335 | .335 | 0.335 | .345+ | 2.5 | .757 | ---- | 93 | ---- | 14900 - | 93 | 1.370 | .260A |
| 9700 | ---- | ---- | ---- | 0.245N | .267+ | 2.2 | .647 | ---- | ---- | ---- | 7700 | UNCH | .440B | .200A |
| 9712 | ---- | ---- | ---- | 0.182N | .202+ | 2.0 | .535 | ---- | 1600 | ---- | 18264 + | 400 | .450B | .140A |
| 9725 | ---- | ---- | ---- | 0.135N | .150+ | 1.5 | .429 | ---- | ---- | ---- | 25702 | UNCH | .930B | .100 |
| 9737 | ---- | ---- | ---- | 0.102N | .110+ | 0.7 | .336 | ---- | ---- | ---- | 128400 | UNCH | .280B | .070A |
| 9750 | ---- | ---- | ---- | 0.077N | .082+ | 0.5 | .261 | ---- | 500 | ---- | 29494 - | 500 | .640 | .050A |
| 9762 | ---- | ---- | ---- | 0.057N | .062+ | 0.5 | .202 | ---- | ---- | ---- | 44471 | UNCH | .580B | .040A |
| 9775 | 0.045 | .045 | .045 | 0.045 | .045+ | 0.2 | .152 | ---- | 57 | ---- | 53907 | UNCH | 1.120 | .030 |
| 9787 | ---- | ---- | ---- | 0.032N | .035+ | 0.2 | .118 | ---- | ---- | ---- | 62840 | UNCH | .590B | .030 |
| 9800 | ---- | ---- | ---- | 0.025N | .027+ | 0.2 | .093 | ---- | ---- | ---- | 68960 | UNCH | .500B | .020 |
| 9812 | ---- | ---- | ---- | 0.020N | .020 | UNCH | .069 | ---- | ---- | ---- | 27632 | UNCH | .400B | .010 |
| 9825 | ---- | ---- | ---- | 0.015N | .015 | UNCH | .053 | ---- | ---- | ---- | 63494 | UNCH | .320B | .010 |
| 9837 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .043 | ---- | ---- | ---- | 22056 | UNCH | .260B | .010A |
| 9850 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .034 | ---- | ---- | ---- | 36096 | UNCH | .620 | .010 |
| 9862 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .026 | ---- | ---- | ---- | 37839 | UNCH | .160B | .010A |
| 9875 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .018 | ---- | ---- | ---- | 18958 | UNCH | .490B | .010 |
| 9887 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .010 | ---- | ---- | ---- | 8811 | UNCH | .090B | .010 |
| 9900 | ---- | CAB | CAB | ---- | .002 | UNCH | .006 | ---- | 466 | ---- | 121839 | UNCH | .080B | .000 |
| 9912 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | ---- | 18953 | UNCH | .050B | .010 |
| 9925 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | ---- | 6372 | UNCH | .040B | .010A |
| 9950 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 14210 | UNCH | .240B | .020 |
| 9987 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 100 | UNCH | .110 | .110 |
| 10000 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 2105 | UNCH | .120B | .000 |
| TOTAL | | | | | | | | | 2716 | 0 | 833103 - | 193 | | |
| SEP19 | EURO DLR CALL | | | | | | | | | | | | | |
| 9675 | 0.415 | .415 | .415 | 0.415 | .425+ | 2.7 | .760 | ---- | 85 | ---- | 14276 - | 85 | 1.460 | .320A |
| 9687 | ---- | ---- | ---- | 0.320N | .345+ | 2.5 | .671 | ---- | ---- | ---- | 14040 | UNCH | 1.150B | .280A |
| 9700 | ---- | ---- | ---- | 0.252N | .277+ | 2.5 | .580 | ---- | ---- | ---- | 18341 | UNCH | 1.030B | .190A |
| 9712 | ---- | ---- | ---- | 0.197N | .220+ | 2.2 | .490 | ---- | 100 | 100 | 24622 + | 100 | .910B | .140A |
| 9725 | ---- | ---- | ---- | 0.155N | .172+ | 1.7 | .407 | ---- | ---- | ---- | 43440 | UNCH | .800B | .110A |
| 9737 | ---- | ---- | ---- | 0.122N | .135+ | 1.2 | .334 | ---- | 500 | 500 | 95093 + | 500 | .700B | .080A |
| 9750 | ---- | ---- | ---- | 0.095N | .107+ | 1.2 | .273 | ---- | 500 | ---- | 14882 + | 500 | .830 | .060 |
| 9762 | ---- | ---- | ---- | 0.075N | .085+ | 1.0 | .221 | ---- | ---- | ---- | 34536 | UNCH | .460B | .050A |
| 9775 | 0.060 | .060 | *.060 | 0.060 | .067+ | 0.7 | .179 | ---- | 28 | ---- | 43622 | UNCH | .550B | .040A |
| 9787 | ---- | ---- | ---- | 0.047N | .052+ | 0.5 | .143 | ---- | ---- | ---- | 30504 | UNCH | .590B | .040A |
| 9800 | ---- | ---- | ---- | 0.037N | .042+ | 0.5 | .116 | ---- | ---- | ---- | 37839 | UNCH | .500B | .020 |
| 9812 | ---- | ---- | ---- | 0.030N | .035+ | 0.5 | .096 | ---- | ---- | ---- | 31638 | UNCH | .420B | .020 |
| 9825 | ---- | ---- | ---- | 0.025N | .030+ | 0.5 | .081 | ---- | 1250 | 250 | 22561 + | 933 | .340B | .020 |
| 9837 | ---- | ---- | ---- | 0.020N | .025+ | 0.5 | .067 | ---- | 550 | 550 | 47566 - | 300 | .280B | .010 |
| 9850 | ---- | ---- | ---- | 0.017N | .020+ | 0.2 | .054 | ---- | ---- | ---- | 71737 | UNCH | .220B | .010 |
| 9862 | ---- | ---- | ---- | 0.015N | .015 | UNCH | .042 | ---- | ---- | ---- | 126670 | UNCH | .170B | .010 |
| 9875 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .035 | ---- | ---- | ---- | 68679 | UNCH | .500B | .010 |
| 9887 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .028 | ---- | ---- | ---- | 12950 | UNCH | .100B | .010 |
| 9900 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .021 | ---- | ---- | ---- | 11326 | UNCH | .090 | .010 |
| 9912 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .015 | ---- | ---- | ---- | 600 | UNCH | .060B | .010 |
| 9925 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .008 | ---- | ---- | ---- | 1148 | UNCH | .040B | .010 |
| 9937 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .005 | ---- | ---- | ---- | 200 | UNCH | .010B | .010 |
| 9950 | ---- | ---- | ---- | ---- | .002+ | 0.2 | .003 | ---- | ---- | ---- | 10000 | UNCH | .240B | .020A |
| 9975 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | ---- | 250 | UNCH | ---- | ---- |
| 10000 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 1200 | UNCH | .130B | .000 |
| TOTAL | | | | | | | | | 3013 | 1400 | 777720 + | 1648 | | |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC19 | EURO DLR CALL | | | | | | | | | | | | | |
| 9625 | ---- | ---- | ---- | 0.785N | .827+ | 4.2 | .923 | ---- | ---- | ---- | 2350 | UNCH | 1.070B | .670A |
| 9650 | 0.605 | .605 | .605 | 0.605 | .612+ | 3.5 | .829 | ---- | 51 | ---- | 9643 - | 51 | 1.380B | .470A |
| 9687 | ---- | ---- | ---- | 0.337N | .362+ | 2.5 | .619 | ---- | ---- | ---- | 2100 | UNCH | .590B | .250A |
| 9700 | ---- | ---- | ---- | 0.275N | .297+ | 2.2 | .543 | ---- | 964 | 964 | 35986 + | 662 | .580B | .200A |
| 9712 | ---- | ---- | ---- | 0.222N | .245+ | 2.2 | .469 | ---- | 100 | 100 | 40283 | UNCH | .430B | .150A |
| 9725 | ---- | ---- | ---- | 0.182N | .200+ | 1.7 | .400 | ---- | ---- | ---- | 45708 | UNCH | .790 | .120A |
| 9737 | ---- | ---- | ---- | 0.150N | .162+ | 1.2 | .338 | ---- | ---- | ---- | 12309 | UNCH | .620B | .090A |
| 9750 | ---- | ---- | ---- | 0.122N | .132+ | 1.0 | .284 | ---- | ---- | ---- | 34931 | UNCH | .640B | .070A |
| 9762 | ---- | ---- | ---- | 0.100N | .110+ | 1.0 | .240 | ---- | ---- | ---- | 18116 | UNCH | .680 | .060A |
| 9775 | ---- | ---- | ---- | 0.082N | .090+ | 0.7 | .200 | ---- | ---- | ---- | 95731 | UNCH | .600 | .050A |
| 9787 | ---- | ---- | ---- | 0.067N | .075+ | 0.7 | .168 | ---- | ---- | ---- | 26066 | UNCH | .580B | .040A |
| 9800 | ---- | ---- | ---- | 0.055N | .062+ | 0.7 | .142 | ---- | ---- | ---- | 43867 | UNCH | .680B | .030 |
| 9812 | ---- | ---- | ---- | 0.045N | .050+ | 0.5 | .116 | ---- | ---- | ---- | 22371 | UNCH | .420B | .030 |
| 9825 | ---- | ---- | ---- | 0.037N | .042+ | 0.5 | .099 | ---- | ---- | ---- | 54981 | UNCH | .350B | .020 |
| 9837 | ---- | ---- | ---- | 0.032N | .035+ | 0.2 | .082 | ---- | ---- | ---- | 17493 | UNCH | .290B | .020 |
| 9850 | ---- | ---- | ---- | 0.027N | .030+ | 0.2 | .070 | ---- | ---- | ---- | 42722 | UNCH | .590 | .020 |
| 9862 | ---- | ---- | ---- | 0.022N | .025+ | 0.2 | .059 | ---- | ---- | ---- | 6750 | UNCH | .190B | .010 |
| 9875 | ---- | ---- | ---- | 0.017N | .020+ | 0.2 | .048 | ---- | ---- | ---- | 82868 | UNCH | .150B | .010 |
| 9887 | ---- | ---- | ---- | 0.015N | .017+ | 0.2 | .041 | ---- | ---- | ---- | 20575 | UNCH | .180 | .010 |
| 9900 | ---- | ---- | ---- | 0.012N | .015+ | 0.2 | .035 | ---- | ---- | ---- | 122475 | UNCH | .400B | .010 |
| 9912 | ---- | ---- | ---- | 0.010N | .012+ | 0.2 | .029 | ---- | ---- | ---- | 3125 | UNCH | .060B | .010 |
| 9925 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .024 | ---- | ---- | ---- | 21854 | UNCH | .050B | .010 |
| 9950 | ---- | ---- | ---- | 0.007N | .005- | 0.2 | .013 | ---- | ---- | ---- | 2024 | UNCH | .250B | .010 |
| 9962 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .012 | ---- | ---- | ---- | 2000 | UNCH | .010B | .010 |
| 9975 | ---- | ---- | ---- | 0.005N | .002- | 0.2 | .007 | ---- | ---- | ---- | 15 | UNCH | .200B | ---- |
| 9987 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .005 | ---- | ---- | ---- | 20 | UNCH | .010B | ---- |
| 10000 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .003 | ---- | ---- | ---- | 14835 | UNCH | .140B | .000 |
| TOTAL | | | | | | | | | 1115 | 1064 | 781198 + | 611 | | |
| MAR20 | EURO DLR CALL | | | | | | | | | | | | | |
| 9600 | 1.050 | 1.050 | 1.050 | 1.050 | 1.062+ | 4.5 | .946 | ---- | 36 | ---- | 7750 - | 36 | 1.300B | .880A |
| 9687 | ---- | ---- | ---- | 0.367N | .395+ | 2.7 | .599 | ---- | ---- | ---- | 1975 | UNCH | .520B | .270A |
| 9700 | ---- | ---- | ---- | 0.310N | .330+ | 2.0 | .533 | ---- | ---- | ---- | 20612 | UNCH | .510B | .220A |
| 9712 | ---- | ---- | ---- | 0.260N | .277+ | 1.7 | .468 | ---- | ---- | ---- | 9841 | UNCH | .440B | .180A |
| 9725 | ---- | ---- | ---- | 0.215N | .232+ | 1.7 | .407 | ---- | ---- | ---- | 2814 | UNCH | .730B | .140A |
| 9737 | ---- | ---- | ---- | 0.177N | .195+ | 1.7 | .352 | ---- | ---- | ---- | 763 | UNCH | .640B | .120A |
| 9750 | ---- | ---- | ---- | 0.147N | .162+ | 1.5 | .303 | ---- | 6000 | 6000 | 27934 + | 509 | .550B | .090 |
| 9762 | ---- | ---- | ---- | 0.125N | .135+ | 1.0 | .259 | ---- | ---- | ---- | 6051 | UNCH | .470B | .080A |
| 9775 | ---- | ---- | ---- | 0.105N | .115+ | 1.0 | .223 | ---- | ---- | ---- | 21687 | UNCH | .550 | .070A |
| 9787 | ---- | ---- | ---- | 0.090N | .097+ | 0.7 | .191 | ---- | ---- | ---- | 32296 | UNCH | .330B | .050A |
| 9800 | ---- | ---- | ---- | 0.075N | .082+ | 0.7 | .164 | ---- | 6000 | 6000 | 50012 - | 50 | .280B | .040A |
| 9812 | ---- | ---- | ---- | 0.062N | .070+ | 0.7 | .140 | ---- | ---- | ---- | 4100 | UNCH | .230B | .040A |
| 9825 | ---- | ---- | ---- | 0.052N | .060+ | 0.7 | .121 | ---- | 125 | 125 | 35350 + | 125 | .180B | .030 |
| 9850 | ---- | ---- | ---- | 0.037N | .042+ | 0.5 | .087 | ---- | ---- | ---- | 7779 | UNCH | .120B | .020 |
| 9862 | ---- | ---- | ---- | 0.032N | .035+ | 0.2 | .073 | ---- | ---- | ---- | 3002 | UNCH | .080B | .020 |
| 9875 | ---- | ---- | ---- | 0.027N | .030+ | 0.2 | .063 | ---- | ---- | ---- | 3850 | UNCH | .070B | .020A |
| 9887 | ---- | ---- | ---- | 0.022N | .025+ | 0.2 | .053 | ---- | ---- | ---- | 1500 | UNCH | .030B | .020A |
| 9900 | ---- | ---- | ---- | 0.020N | .022+ | 0.2 | .047 | ---- | ---- | ---- | 2900 | UNCH | .040 | .010 |
| 9950 | ---- | ---- | ---- | 0.010N | .012+ | 0.2 | .026 | ---- | ---- | ---- | 399 | UNCH | .030 | .010 |
| 9975 | ---- | ---- | ---- | 0.005N | .007+ | 0.2 | .016 | ---- | ---- | ---- | 500 | UNCH | .010B | .010A |
| 10000 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .006 | ---- | ---- | ---- | 35 | UNCH | .010 | .010 |
| TOTAL | | | | | | | | | 12161 | 12125 | 241150 + | 548 | | |
| JUN20 | EURO DLR CALL | | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.475N | .502+ | 2.7 | .649 | ---- | ---- | ---- | 949 | UNCH | .440B | .380A |
| 9687 | ---- | ---- | ---- | 0.405N | .435+ | 3.0 | .590 | ---- | ---- | ---- | 4775 | UNCH | .540B | .320A |
| 9700 | 0.365 | #.365 | .365 | 0.365 | .372+ | 2.5 | .532 | ---- | 1302 | ---- | 33651 - | 52 | .540B | .250A |
| 9712 | ---- | ---- | ---- | 0.297N | .317+ | 2.0 | .474 | ---- | ---- | ---- | 11793 | UNCH | .490B | .210A |
| 9725 | ---- | ---- | ---- | 0.252N | .270+ | 1.7 | .419 | ---- | ---- | ---- | 3300 | UNCH | .460B | .180A |
| 9737 | ---- | ---- | ---- | 0.212N | .230+ | 1.7 | .368 | ---- | ---- | ---- | 1700 | UNCH | .390B | .150A |
| 9750 | ---- | ---- | ---- | 0.180N | .195+ | 1.5 | .322 | ---- | ---- | ---- | 26050 | UNCH | .560B | .130A |
| 9762 | ---- | ---- | ---- | 0.152N | .165+ | 1.2 | .280 | ---- | ---- | ---- | 3700 | UNCH | .480B | .100A |
| 9775 | ---- | ---- | ---- | 0.130N | .142+ | 1.2 | .245 | ---- | ---- | ---- | 13846 | UNCH | .540 | .090A |
| 9787 | ---- | ---- | ---- | 0.110N | .122+ | 1.2 | .213 | ---- | ---- | ---- | 12800 | UNCH | .340B | .070A |
| 9800 | ---- | ---- | ---- | 0.095N | .105+ | 1.0 | .185 | ---- | ---- | ---- | 9800 | UNCH | .290 | .080A |
| 9812 | ---- | ---- | ---- | 0.080N | .090+ | 1.0 | .161 | ---- | ---- | ---- | 44616 | UNCH | .220B | .060 |
| 9837 | ---- | ---- | ---- | 0.057N | .065+ | 0.7 | .120 | ---- | ---- | ---- | 33769 | UNCH | .140B | .060A |
| 9850 | ---- | ---- | ---- | 0.050N | .057+ | 0.7 | .105 | ---- | ---- | ---- | 577 | UNCH | .110B | .040 |
| 9862 | ---- | ---- | ---- | 0.042N | .050+ | 0.7 | .092 | ---- | ---- | ---- | 1 | UNCH | .090B | .030 |
| 9875 | ---- | ---- | ---- | 0.037N | .042+ | 0.5 | .079 | ---- | ---- | ---- | 1250 | UNCH | .110B | .040A |
| 9887 | ---- | ---- | ---- | 0.032N | .037+ | 0.5 | .070 | ---- | ---- | ---- | 1001 | UNCH | .050B | .020A |
| 9900 | ---- | ---- | ---- | 0.027N | .032+ | 0.5 | .061 | ---- | ---- | ---- | 4690 | UNCH | .030B | .040A |
| 9912 | ---- | ---- | ---- | 0.025N | .027+ | 0.2 | .052 | ---- | ---- | ---- | 2 | UNCH | .370 | .020A |
| 9925 | ---- | ---- | ---- | 0.022N | .022 | UNCH | .043 | ---- | ---- | ---- | 5450 | UNCH | .030 | .020A |
| 9937 | ---- | ---- | ---- | 0.020N | .020 | UNCH | .038 | ---- | ---- | ---- | 500 | UNCH | .020 | .020A |
| 9950 | ---- | ---- | ---- | 0.017N | .017 | UNCH | .033 | ---- | ---- | ---- | 5072 | UNCH | .030 | .030 |
| 9987 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .020 | ---- | ---- | ---- | 20 | UNCH | .120 | .010A |
| 10000 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .015 | ---- | ---- | ---- | 10280 | UNCH | .020 | .010 |
| 10050 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | ---- | 5000 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 1302 | 0 | 234592 - | 52 | | |
| SEP20 | EURO DLR CALL | | | | | | | | | | | | | |

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# EURO DOLLAR CALL OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

51
Side 05

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9675 | ---- | ---- | ---- | 0.505N | .545+ | 4.0 | .635 | ---- | ---- | ---- | 949 | UNCH | .560B | .410A |
| 9687 | ---- | ---- | ---- | 0.440N | .472+ | 3.2 | .584 | ---- | ---- | ---- | 7681 | UNCH | .620B | .350A |
| 9700 | 0.405 | #.405 | .405 | 0.405 | .410+ | 3.0 | .531 | ---- | 1588 | 200 | 17622 - | 1424 | .550B | .300A |
| 9712 | ---- | ---- | ---- | 0.327N | .355+ | 2.7 | .479 | ---- | ---- | ---- | 24244 | UNCH | .550B | .240 |
| 9725 | ---- | ---- | ---- | 0.282N | .307+ | 2.5 | .429 | ---- | ---- | ---- | 13716 | UNCH | .740B | .200A |
| 9737 | ---- | ---- | ---- | 0.242N | .267+ | 2.5 | .382 | ---- | ---- | ---- | 2003 | UNCH | .650B | .180A |
| 9750 | ---- | ---- | ---- | 0.210N | .232+ | 2.2 | .340 | ---- | ---- | ---- | 1561 | UNCH | .570B | .150A |
| 9762 | ---- | ---- | ---- | 0.182N | .202+ | 2.0 | .302 | ---- | ---- | ---- | 12468 | UNCH | .490B | .130A |
| 9775 | ---- | ---- | ---- | 0.157N | .175+ | 1.7 | .267 | ---- | ---- | ---- | 31895 | UNCH | .430B | .110A |
| 9787 | ---- | ---- | ---- | 0.135N | .150+ | 1.5 | .234 | ---- | ---- | ---- | 50562 | UNCH | .360B | .090A |
| 9800 | ---- | ---- | ---- | 0.115N | .127+ | 1.2 | .204 | ---- | ---- | ---- | 15101 | UNCH | .300B | .080A |
| 9812 | ---- | ---- | ---- | 0.100N | .110+ | 1.0 | .179 | ---- | ---- | ---- | 4175 | UNCH | .240B | .070 |
| 9825 | ---- | ---- | ---- | 0.085N | .095+ | 1.0 | .157 | ---- | ---- | ---- | 11100 | UNCH | .200B | .060 |
| 9837 | ---- | ---- | ---- | 0.075N | .082+ | 0.7 | .137 | ---- | ---- | ---- | 1100 | UNCH | .160B | .070A |
| 9850 | ---- | ---- | ---- | 0.065N | .072+ | 0.7 | .121 | ---- | ---- | ---- | 8000 | UNCH | .130B | .060A |
| 9900 | ---- | ---- | ---- | 0.037N | .040+ | 0.2 | .070 | ---- | ---- | ---- | 7750 | UNCH | .040B | .040 |
| 9950 | ---- | ---- | ---- | 0.017N | .020+ | 0.2 | .037 | ---- | ---- | ---- | 5001 | UNCH | ---- | .020A |
| 10000 | ---- | ---- | ---- | 0.007N | .010+ | 0.2 | .019 | ---- | ---- | ---- | 10032 | UNCH | .010B | .010 |
| 10050 | ---- | ---- | ---- | ---- | .002+ | 0.2 | .005 | ---- | ---- | ---- | 5001 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 1588 | 200 | 229961 - | 1424 | | |
| DEC20 | EURO DLR CALL | | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.537N | .570+ | 3.2 | .623 | ---- | ---- | ---- | 949 | UNCH | .700B | .410A |
| 9687 | ---- | ---- | ---- | 0.472N | .502+ | 3.0 | .575 | ---- | ---- | ---- | 11769 | UNCH | .620B | .350A |
| 9700 | ---- | ---- | ---- | 0.412N | .442+ | 3.0 | .527 | ---- | 100 | ---- | 9802 - | 50 | .570B | .320A |
| 9712 | ---- | ---- | ---- | 0.360N | .385+ | 2.5 | .479 | ---- | ---- | ---- | 10585 | UNCH | .500B | .280A |
| 9725 | ---- | ---- | ---- | 0.315N | .335+ | 2.0 | .432 | ---- | ---- | ---- | 4321 | UNCH | .440B | .220A |
| 9737 | ---- | ---- | ---- | 0.275N | .292+ | 1.7 | .388 | ---- | ---- | ---- | 5308 | UNCH | .380B | .190 |
| 9750 | ---- | ---- | ---- | 0.237N | .255+ | 1.7 | .348 | ---- | ---- | ---- | 4255 | UNCH | .350 | .170A |
| 9762 | ---- | ---- | ---- | 0.207N | .222+ | 1.5 | .310 | ---- | ---- | ---- | 7400 | UNCH | .330 | .150A |
| 9775 | ---- | ---- | ---- | 0.180N | .192+ | 1.2 | .276 | ---- | ---- | ---- | 6250 | UNCH | .240B | .130A |
| 9787 | ---- | ---- | ---- | 0.155N | .167+ | 1.2 | .245 | ---- | ---- | ---- | 2450 | UNCH | .190B | .130A |
| 9800 | ---- | ---- | ---- | 0.135N | .145+ | 1.0 | .216 | ---- | ---- | ---- | 9105 | UNCH | .160 | .090 |
| 9812 | ---- | ---- | ---- | 0.117N | .125+ | 0.7 | .190 | ---- | ---- | ---- | 600 | UNCH | .130B | .100A |
| 9825 | ---- | ---- | ---- | 0.100N | .107+ | 0.7 | .167 | ---- | ---- | ---- | 17750 | UNCH | .110B | .080A |
| 9837 | ---- | ---- | ---- | 0.087N | .095+ | 0.7 | .148 | ---- | ---- | ---- | 1007 | UNCH | .270 | .070A |
| 9850 | ---- | ---- | ---- | 0.077N | .085+ | 0.7 | .133 | ---- | ---- | ---- | 4797 | UNCH | .110 | .060 |
| 9862 | ---- | ---- | ---- | 0.067N | .075+ | 0.7 | .118 | ---- | ---- | ---- | 1508 | UNCH | .100 | .060A |
| 9875 | ---- | ---- | ---- | 0.057N | .065+ | 0.7 | .103 | ---- | ---- | ---- | 510 | UNCH | .060B | .050 |
| 9887 | ---- | ---- | ---- | 0.050N | .055+ | 0.5 | .089 | ---- | ---- | ---- | 1 | UNCH | .050B | .040 |
| 9900 | ---- | ---- | ---- | 0.045N | .047+ | 0.2 | .078 | ---- | ---- | ---- | 1955 | UNCH | .120 | .030 |
| 9925 | ---- | ---- | ---- | 0.035N | .037+ | 0.2 | .062 | ---- | ---- | ---- | 10 | UNCH | .030 | .030 |
| 9950 | ---- | ---- | ---- | 0.025N | .027+ | 0.2 | .046 | ---- | ---- | ---- | 1010 | UNCH | ---- | ---- |
| 9975 | ---- | ---- | ---- | 0.017N | .020+ | 0.2 | .034 | ---- | ---- | ---- | 1 | UNCH | .030 | .030 |
| 10000 | ---- | ---- | ---- | 0.012N | .015+ | 0.2 | .026 | ---- | ---- | ---- | 530 | UNCH | .010 | .010 |
| TOTAL | | | | | | | | | 100 | 0 | 101873 - | 50 | | |
| MAR21 | EURO DLR CALL | | | | | | | | | | | | | |
| 9650 | ---- | ---- | ---- | 0.720N | .757+ | 3.7 | .703 | ---- | ---- | ---- | 27 | UNCH | .760 | .760 |
| 9675 | ---- | ---- | ---- | 0.572N | .605+ | 3.2 | .619 | ---- | ---- | ---- | 949 | UNCH | .580B | .470A |
| 9687 | ---- | ---- | ---- | 0.507N | .537+ | 3.0 | .574 | ---- | ---- | ---- | 8789 | UNCH | .520B | .410A |
| 9700 | ---- | ---- | ---- | 0.447N | .475+ | 2.7 | .529 | ---- | 100 | ---- | 17604 + | 100 | .460B | .360A |
| 9712 | ---- | ---- | ---- | 0.395N | .420+ | 2.5 | .484 | ---- | ---- | ---- | 5775 | UNCH | .400B | .310A |
| 9737 | ---- | ---- | ---- | 0.305N | .325+ | 2.0 | .399 | ---- | ---- | ---- | 8450 | UNCH | .310B | .240A |
| 9750 | ---- | ---- | ---- | 0.267N | .285+ | 1.7 | .360 | ---- | ---- | ---- | 3000 | UNCH | .270B | .200A |
| 9762 | ---- | ---- | ---- | 0.232N | .250+ | 1.7 | .324 | ---- | ---- | ---- | 1900 | UNCH | .240B | .180A |
| 9775 | ---- | ---- | ---- | 0.202N | .217+ | 1.5 | .290 | ---- | ---- | ---- | 1400 | UNCH | .210B | .190A |
| 9787 | ---- | ---- | ---- | 0.177N | .190+ | 1.2 | .259 | ---- | ---- | ---- | 1050 | UNCH | .160B | .170A |
| 9800 | ---- | ---- | ---- | 0.155N | .167+ | 1.2 | .231 | ---- | ---- | ---- | 29000 | UNCH | .420 | .120 |
| 9850 | ---- | ---- | ---- | 0.090N | .097+ | 0.7 | .144 | ---- | ---- | ---- | 10 | UNCH | .330B | .100A |
| 9900 | ---- | ---- | ---- | 0.052N | .055+ | 0.2 | .086 | ---- | ---- | ---- | 800 | UNCH | ---- | .060A |
| 9950 | ---- | ---- | ---- | 0.027N | .030+ | 0.2 | .049 | ---- | ---- | ---- | 1000 | UNCH | ---- | ---- |
| 10000 | ---- | ---- | ---- | 0.017N | .020+ | 0.2 | .032 | ---- | ---- | ---- | 625 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 100 | 0 | 80379 + | 100 | | |
| JUN21 | EURO DLR CALL | | | | | | | | | | | | | |
| 9700 | ---- | ---- | ---- | 0.475N | .502+ | 2.7 | .527 | ---- | 100 | ---- | 2950 + | 100 | ---- | ---- |
| 9712 | ---- | ---- | ---- | 0.422N | .447+ | 2.5 | .485 | ---- | ---- | ---- | 25 | UNCH | ---- | ---- |
| 9775 | ---- | ---- | ---- | 0.225N | .240+ | 1.5 | .300 | ---- | ---- | ---- | 1758 | UNCH | ---- | ---- |
| 9787 | ---- | ---- | ---- | 0.197N | .210+ | 1.2 | .269 | ---- | ---- | ---- | 650 | UNCH | ---- | ---- |
| 9800 | ---- | ---- | ---- | 0.172N | .182+ | 1.0 | .240 | ---- | ---- | ---- | 700 | UNCH | .180 | .140 |
| 9812 | ---- | ---- | ---- | 0.150N | .160+ | 1.0 | .215 | ---- | ---- | ---- | 3000 | UNCH | ---- | ---- |
| 9825 | ---- | ---- | ---- | 0.130N | .140+ | 1.0 | .191 | ---- | ---- | ---- | 160 | UNCH | .330 | .330 |
| 10000 | ---- | ---- | ---- | 0.017N | .017 | UNCH | .029 | ---- | ---- | ---- | 125 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 100 | 0 | 9368 + | 100 | | |
| SEP21 | EURO DLR CALL | | | | | | | | | | | | | |
| 9700 | ---- | ---- | ---- | 0.507N | .535+ | 2.7 | .526 | ---- | ---- | ---- | 1150 | UNCH | .510 | .510 |
| 9712 | ---- | ---- | ---- | 0.455N | .480+ | 2.5 | .486 | ---- | ---- | ---- | 25 | UNCH | ---- | ---- |
| 9762 | ---- | ---- | ---- | 0.287N | .305+ | 1.7 | .343 | ---- | ---- | ---- | 400 | UNCH | ---- | ---- |
| 9800 | ---- | ---- | ---- | 0.202N | .215+ | 1.2 | .257 | ---- | ---- | ---- | 1000 | UNCH | .170B | ---- |
| 9950 | ---- | ---- | ---- | 0.037N | .040+ | 0.2 | .060 | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 9975 | ---- | ---- | ---- | 0.025N | .027+ | 0.2 | .043 | ---- | ---- | ---- | 5 | UNCH | ---- | ---- |
| 10000 | ---- | ---- | ---- | 0.015N | .017+ | 0.2 | .029 | ---- | ---- | ---- | 125 | UNCH | ---- | ---- |

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# EURO DOLLAR CALL OPTIONS



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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | | | | | | | | | | 0 | 0 | 2710 | | |
| DEC21 | EURO DLR CALL | | | | | | | | | | | | | |
| 9700 | ---- | ---- | ---- | 0.520N | .547+ | 2.7 | .522 | ---- | ---- | ---- | ---- | 550 | UNCH ---- | ---- |
| 9712 | ---- | ---- | ---- | 0.467N | .492+ | 2.5 | .484 | ---- | ---- | ---- | ---- | 25 | UNCH ---- | ---- |
| 9900 | ---- | ---- | ---- | 0.080N | .085+ | 0.5 | .112 | ---- | ---- | ---- | ---- | 500 | UNCH ---- | ---- |
| 10000 | ---- | ---- | ---- | 0.020N | .020 | UNCH | .032 | ---- | ---- | ---- | ---- | 25 | UNCH ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 0 | 1100 | | |
| MAR22 | EURO DLR CALL | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.602N | .630+ | 2.7 | .558 | ---- | ---- | ---- | ---- | 100 | UNCH ---- | ---- |
| 9712 | ---- | ---- | ---- | 0.497N | .517+ | 2.0 | .485 | ---- | ---- | ---- | ---- | 350 | UNCH ---- | ---- |
| TOTAL | | | | | | | | | | 0 | 0 | 450 | | |

OPTIONS EOO'S AND BLOCK'S

| TICKER SYMBOL | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME |
|---|---|---|---|
| 1YR MIDCRV CALL | EURODOLLAR MIDCURVE OPTIONS | | |
| AUG18 CALL E0 | 9750 | 0 | 20000 |

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# EURO DOLLAR PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT REFLECT CME REGULAR TRADING HOURS SESSION ONLY. VOLUME CLEARED REFLECTS REGULAR TRADING HOURS (RTH) AND CME GLOBEX® VOLUME FOR FUTURES, AND COMBINED VOLUME FOR OPTIONS. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/4 TICK VALUE = $6.25 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### EURODOLLAR PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO DLR PUT | | | | | | | | | | | | | |
| JUL18 | EURO DLR PUT | (FUTURES SETT. | 97.6550 + | .3 ) | | | | | | | | | |
| 9700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 2500 | | UNCH ---- | ---- |
| 9712 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 49757 | | UNCH ---- | ---- |
| 9725 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | 250 | 71130 | | UNCH .010 | .000 |
| 9737 | ---- | ---- | ---- | ---- | CAB | ---- | .048 | ---- | 250 | 103625 | | UNCH .020B | .000 |
| 9750 | ---- | ---- | ---- | 0.007N | .005- | 0.2 | .166 | ---- | ---- | 113961 | | UNCH .070 | .010 |
| 9762 | ---- | ---- | ---- | 0.087N | .082- | 0.5 | .832 | ---- | ---- | 42836 | | UNCH .160B | .020A |
| 9775 | ---- | ---- | ---- | 0.207N | .202- | 0.5 | .955 | ---- | ---- | 17639 | | UNCH .270B | .050A |
| 9787 | ---- | ---- | ---- | 0.330N | .325- | 0.5 | .997 | ---- | ---- | 500 | | UNCH .390B | .260A |
| TOTAL | | | | | | | | | 500 | 401948 | | | |
| AUG18 | EURO DLR PUT | (FUTURES SETT. | 97.6150 + | .5 ) | | | | | | | | | |
| 9712 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1250 | | UNCH ---- | ---- |
| 9725 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | 250 | 62620 | | UNCH .010 | .000 |
| 9737 | ---- | ---- | ---- | ---- | CAB | ---- | .052 | ---- | 250 | 131883 | - | 238 .030B | .010A |
| 9750 | 0.015 | #.015 | *.015 | 0.015 | .015 | UNCH | .278 | ---- | 13500 | 86812 | + | 5850 .080B | .020 |
| 9762 | ---- | ---- | ---- | 0.095N | .092- | 0.2 | .746 | ---- | ---- | 6079 | | UNCH .160B | .070A |
| TOTAL | | | | | | | | | 14000 | 288644 | + | 5612 | |
| SEP18 | EURO DLR PUT | (FUTURES SETT. | 97.5500 + | .5 ) | | | | | | | | | |
| 9125 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH .010B | .010 |
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3000 | | UNCH .080B | .010 |
| 9537 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH .120B | .000 |
| 9587 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | | UNCH .020B | .010 |
| 9600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5200 | | UNCH .360B | .010 |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3330 | | UNCH .220B | .000 |
| 9625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3301 | | UNCH .230B | .000 |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 665 | | UNCH .280B | .000 |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 3280 | | UNCH .290B | .000 |
| 9662 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1867 | | UNCH .320B | .010A |
| 9675 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 8120 | | UNCH .370B | .000 |
| 9687 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 7701 | | UNCH .400B | .000 |
| 9700 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 38279 | | UNCH .440B | .000 |
| 9712 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 108310 | | UNCH .490B | .000 |
| 9725 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | 20550 | 254069 | - | 4700 .540B | .000 |
| 9737 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .053 | ---- | 49600 | 499449 | + | 7812 .800B | .000 |
| 9750 | ---- | ---- | ---- | 0.025N | .022- | 0.2 | .319 | ---- | 12101 | 405721 | + | 6001 .770 | .010 |
| 9762 | 0.100 | .100 | .100 | 0.100 | .102- | 0.2 | .699 | ---- | 1325 | 168159 | - | 125 .710B | .010 |
| 9775 | ---- | ---- | ---- | 0.212N | .210- | 0.2 | .881 | ---- | 200 | 223907 | + | 200 .780B | .020 |
| 9787 | ---- | ---- | ---- | 0.335N | .330- | 0.5 | .944 | ---- | ---- | 151974 | | UNCH .850B | .030A |
| 9800 | ---- | ---- | ---- | 0.457N | .452- | 0.5 | .972 | ---- | 125 | 145646 | + | 125 .900B | .020A |
| 9812 | ---- | ---- | ---- | 0.580N | .577- | 0.2 | .993 | 320 | ---- | 120371 | - | 320 .970B | .040A |
| 9825 | ---- | ---- | ---- | 0.705N | .700- | 0.5 | .998 | ---- | ---- | 43514 | | UNCH 1.050B | .060A |
| 9837 | ---- | ---- | ---- | 0.830N | .825- | 0.5 | .999 | ---- | ---- | 34815 | | UNCH 1.130B | .100A |
| 9850 | ---- | ---- | ---- | 0.955N | .950- | 0.5 | .999 | ---- | ---- | 8550 | | UNCH 1.220B | .150A |
| 9862 | ---- | ---- | ---- | 1.080N | 1.075- | 0.5 | 1.000 | ---- | ---- | 6400 | | UNCH 1.300B | .220A |
| 9875 | ---- | ---- | ---- | 1.205N | 1.200- | 0.5 | 1.000 | ---- | ---- | 2329 | | UNCH 1.400B | .270A |
| 9887 | ---- | ---- | ---- | 1.330N | 1.325- | 0.5 | 1.000 | ---- | ---- | 3505 | | UNCH 1.490B | .330A |
| TOTAL | | | | | | | | | 83901 | 2251532 | + | 8993 | |
| OCT18 | EURO DLR PUT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 9700 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .031 | ---- | ---- | 11000 | | UNCH ---- | ---- |
| 9712 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .067 | ---- | 20000 | 147456 | + | 17050 .020B | .010 |
| 9725 | ---- | ---- | ---- | 0.025N | .022- | 0.2 | .232 | ---- | 11250 | 120749 | + | 11250 .060B | .020A |
| 9737 | ---- | ---- | ---- | 0.085N | .077- | 0.7 | .510 | ---- | 7600 | 53553 | + | 7600 .130B | .050A |
| 9750 | ---- | ---- | ---- | 0.175N | .165- | 1.0 | .730 | ---- | ---- | 2250 | | UNCH .190B | .170A |
| TOTAL | | | | | | | | | 38850 | 335008 | + | 35900 | |
| NOV18 | EURO DLR PUT | (FUTURES SETT. | .00) | | | | | | | | | | |
| 9712 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .088 | ---- | ---- | 5604 | | UNCH .020 | .010A |
| 9725 | ---- | ---- | ---- | 0.035N | .032- | 0.2 | .269 | ---- | ---- | 250 | | UNCH .040B | .030A |
| 9737 | ---- | ---- | ---- | 0.095N | .087- | 0.7 | .508 | ---- | ---- | 6250 | | UNCH .140B | .060A |
| 9750 | ---- | ---- | ---- | 0.185N | .175- | 1.0 | .704 | ---- | ---- | 250 | | UNCH .200B | .190A |
| TOTAL | | | | | | | | | 0 | 12354 | | | |
| DEC18 | EURO DLR PUT | (FUTURES SETT. | 97.3700 + | 1.5 ) | | | | | | | | | |
| 9175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH .010B | .010 |
| 9325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | | UNCH .030 | .010A |
| 9475 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | | UNCH .000B | .000 |
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1091 | | UNCH .010 | .000 |
| 9525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 50 | | UNCH .000B | .000 |
| 9550 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | | UNCH .010B | .010 |
| 9575 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 500 | | UNCH .020 | .020 |
| 9587 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 220 | | UNCH .020B | .010 |
| 9600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5123 | | UNCH .280 | .010A |
| 9625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6919 | | UNCH .270B | .000 |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5445 | | UNCH .310B | .000 |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 40776 | | UNCH .340B | .000 |
| 9662 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10075 | | UNCH .380B | .000 |
| 9675 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 100353 | | UNCH .420B | .000 |
| 9687 | ---- | ---- | ---- | 0.002N | CAB | ---- | .006 | ---- | ---- | 60476 | | UNCH .460B | .000 |
| 9700 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .031 | ---- | ---- | 278598 | | UNCH .520 | .000 |
| 9712 | ---- | ---- | ---- | 0.010N | .007- | 0.2 | .088 | ---- | 1700 | 525035 | + | 1700 .560B | .000 |
| 9725 | ---- | ---- | ---- | 0.040N | .037- | 0.2 | .284 | ---- | 4451 | 602174 | - | 120 .690 | .010 |
| 9737 | ---- | ---- | ---- | 0.102N | .097- | 0.5 | .507 | ---- | 4100 | 324047 | - | 400 .670B | .010A |
| 9750 | ---- | ---- | ---- | 0.190N | .182- | 0.7 | .689 | ---- | 29200 | 384390 | - | 12500 .730B | .010 |
| 9762 | ---- | ---- | ---- | 0.292N | .282- | 1.0 | .811 | ---- | 29200 | 203969 | - | 6387 .800B | .020A |
| 9775 | ---- | ---- | ---- | 0.407N | .395- | 1.2 | .886 | ---- | ---- | 223785 | | UNCH .950B | .030A |
| 9787 | ---- | ---- | ---- | 0.527N | .515- | 1.2 | .922 | ---- | ---- | 100067 | | UNCH .940B | .040A |
| 9800 | ---- | ---- | ---- | 0.650N | .635- | 1.5 | .952 | ---- | 750 | 112624 | - | 500 .990B | .050 |
| 9812 | ---- | ---- | ---- | 0.772N | .757- | 1.5 | .968 | ---- | ---- | 72433 | | UNCH 1.070B | .080A |
| 9825 | ---- | ---- | ---- | 0.895N | .880- | 1.5 | .983 | 20926 | 15000 | 54903 | - | 6689 1.150B | .110A |
| 9837 | ---- | ---- | ---- | 1.020N | 1.005- | 1.5 | .992 | 15000 | 15000 | 12249 | | UNCH 1.230B | .160A |
| 9850 | ---- | ---- | ---- | 1.145N | 1.130- | 1.5 | .996 | ---- | ---- | 12270 | | UNCH 1.320B | .220A |
| 9862 | ---- | ---- | ---- | 1.270N | 1.255- | 1.5 | .998 | ---- | ---- | 2280 | | UNCH 1.410B | .280 |
| 9875 | ---- | ---- | ---- | 1.395N | 1.380- | 1.5 | .999 | ---- | ---- | 6825 | | UNCH 1.500B | .330 |
| 9887 | ---- | ---- | ---- | 1.520N | 1.505- | 1.5 | .999 | ---- | ---- | 1950 | | UNCH 1.600B | .340A |
| 9900 | ---- | ---- | ---- | 1.645N | 1.630- | 1.5 | .999 | ---- | ---- | 5277 | | UNCH 1.700B | .900 |
| TOTAL | | | | | | | | | 99401 | 3153966 | - | 24896 | |
| MAR19 | EURO DLR PUT | (FUTURES SETT. | 97.2550 + | 2.5 ) | | | | | | | | | |
| 9200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH .010B | .010 |
| 9225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 12 | | UNCH .020B | .020 |
| 9250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | | UNCH .020B | .020 |
| 9275 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 11 | | UNCH .020B | .010A |
| 9300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | | UNCH .030B | .010A |
| 9350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH .040 | .010A |
| 9400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | | UNCH .050 | .030A |
| 9425 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | | UNCH .070B | .040A |
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 128 | | UNCH .010 | .000 |
| 9575 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 370 | | UNCH .040B | .000 |
| 9587 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1200 | | UNCH .160 | .010A |
| 9600 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 38091 | | UNCH .280 | .000 |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 50 | | UNCH .300B | .010A |
| 9625 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 2746 | | UNCH .040 | .010 |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 13020 | | UNCH .350B | .000 |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | 34348 | | UNCH .390B | .000 |
| 9662 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .021 | ---- | ---- | 35118 | | UNCH .430B | .010 |
| 9675 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .041 | ---- | 52000 | 331136 | + | 52000 .480B | .010 |
| 9687 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .092 | ---- | 114500 | 584391 | + | 103557 .520B | .010 |
| 9700 | ---- | ---- | ---- | 0.037N | .035- | 0.2 | .202 | ---- | 82230 | 380148 | + | 28818 .570B | .010 |
| 9712 | ---- | ---- | ---- | 0.082N | .077- | 0.5 | .346 | ---- | 19400 | 201555 | + | 13791 .630B | .010 |
| 9725 | ---- | ---- | ---- | 0.147N | .137- | 1.0 | .493 | ---- | 900 | 192375 | - | 690 .680B | .010 |
| 9737 | ---- | ---- | ---- | 0.230N | .215- | 1.5 | .624 | ---- | ---- | 129094 | | UNCH .740B | .030A |
| 9750 | ---- | ---- | ---- | 0.327N | .307- | 2.0 | .731 | ---- | ---- | 128802 | | UNCH .810B | .030 |
| 9762 | ---- | ---- | ---- | 0.430N | .410- | 2.0 | .807 | ---- | ---- | 49481 | | UNCH .870B | .040 |
| 9775 | ---- | ---- | ---- | 0.542N | .522- | 2.0 | .860 | ---- | ---- | 62672 | | UNCH .940B | .050A |
| 9787 | ---- | ---- | ---- | 0.660N | .637- | 2.2 | .901 | ---- | ---- | 11997 | | UNCH .990B | .060A |
| 9800 | ---- | ---- | ---- | 0.780N | .757- | 2.2 | .924 | ---- | ---- | 38852 | | UNCH 1.070B | .080A |
| 9812 | ---- | ---- | ---- | 0.900N | .875- | 2.5 | .945 | ---- | ---- | 15284 | | UNCH 1.150B | .120A |
| 9825 | ---- | ---- | ---- | 1.022N | .997- | 2.5 | .957 | ---- | ---- | 64424 | | UNCH 1.230B | .160A |
| 9837 | ---- | ---- | ---- | 1.147N | 1.122- | 2.5 | .968 | ---- | ---- | 10255 | | UNCH 1.320B | .210A |
| 9850 | ---- | ---- | ---- | 1.270N | 1.245- | 2.5 | .978 | ---- | ---- | 1200 | | UNCH 1.410B | .280A |
| 9862 | ---- | ---- | ---- | 1.395N | 1.370- | 2.5 | .988 | ---- | ---- | 2100 | | UNCH 1.500B | .460A |
| 9875 | ---- | ---- | ---- | 1.520N | 1.495- | 2.5 | .993 | ---- | ---- | 2425 | | UNCH 1.590B | .550A |
| 9887 | ---- | ---- | ---- | 1.645N | 1.620- | 2.5 | .996 | ---- | ---- | 350 | | UNCH 1.690B | .650A |
| 9900 | ---- | ---- | ---- | 1.770N | 1.745- | 2.5 | .997 | ---- | ---- | 1 | | UNCH 1.790B | .760A |
| TOTAL | | | | | | | | | 269030 | 2331691 | + | 197476 | |
| JUN19 | EURO DLR PUT | (FUTURES SETT. | 97.1650 + | 3.0 ) | | | | | | | | | |
| 9200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH .010B | .010 |
| 9225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH .020B | .020 |
| 9275 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 4 | | UNCH .020B | .010A |
| 9300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 25 | | UNCH .020B | .020A |
| 9325 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | | UNCH .030 | .020A |
| 9375 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | | UNCH .030 | .030A |
| 9400 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 6 | | UNCH .070B | .040A |
| 9450 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | | UNCH .060 | .060A |

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# EURO DOLLAR PUT OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1011 | | UNCH | .100B | .010 |
| 9525 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 1 | | UNCH | .110B | .110A |
| 9550 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 12500 | | UNCH | .010 | .010 |
| 9575 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | 1250 | 1000 | + | 498 | .020 | .020 |
| 9587 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 400 | | UNCH | .040 | .000 |
| 9600 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 4199 | | UNCH | .190 | .010 |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | 4500 | | UNCH | .150 | .020A |
| 9625 | ---- | ---- | ---- | ---- | .002+ | 0.2 | .016 | ---- | 1250 | 8819 | | UNCH | .080B | .010 |
| 9637 | ---- | ---- | ---- | 0.002N | .005+ | 0.2 | .030 | ---- | ---- | 9625 | | UNCH | .020 | .010 |
| 9650 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .045 | ---- | ---- | 56887 | | UNCH | .200 | .010 |
| 9662 | ---- | ---- | ---- | 0.015N | .015 | UNCH | .083 | ---- | 2752 | 197116 | + | 2500 | .490B | .010 |
| 9675 | ---- | ---- | ---- | 0.030N | .030 | UNCH | .146 | ---- | 7500 | 440925 | + | 5000 | .530B | .010A |
| 9687 | ---- | ---- | ---- | 0.065N | .060- | 0.5 | .242 | ---- | 4254 | 203779 | + | 2500 | .580B | .020A |
| 9700 | ---- | ---- | ---- | 0.112N | .105- | 0.7 | .352 | ---- | 252 | 132741 | | UNCH | .630B | .020 |
| 9712 | ---- | ---- | ---- | 0.172N | .162- | 1.0 | .464 | ---- | 1600 | 89545 | + | 1500 | .690B | .030 |
| 9725 | ---- | ---- | ---- | 0.247N | .232- | 1.5 | .570 | ---- | ---- | 65294 | | UNCH | .760 | .030 |
| 9737 | ---- | ---- | ---- | 0.340N | .317- | 2.2 | .663 | ---- | ---- | 132634 | | UNCH | .810B | .040A |
| 9750 | ---- | ---- | ---- | 0.437N | .412- | 2.5 | .738 | ---- | ---- | 62212 | | UNCH | .880B | .050A |
| 9762 | ---- | ---- | ---- | 0.540N | .515- | 2.5 | .797 | ---- | ---- | 26338 | | UNCH | .950B | .060A |
| 9775 | ---- | ---- | ---- | 0.650N | .622- | 2.7 | .847 | ---- | ---- | 65967 | | UNCH | 1.010B | .070A |
| 9787 | ---- | ---- | ---- | 0.762N | .735- | 2.7 | .881 | ---- | ---- | 20475 | | UNCH | 1.070B | .090A |
| 9800 | ---- | ---- | ---- | 0.880N | .852- | 2.7 | .906 | ---- | ---- | 58704 | | UNCH | 1.150B | .120A |
| 9812 | ---- | ---- | ---- | 1.000N | .970- | 3.0 | .930 | ---- | ---- | 24646 | | UNCH | 1.230B | .160A |
| 9825 | ---- | ---- | ---- | 1.120N | 1.090- | 3.0 | .946 | ---- | ---- | 23404 | | UNCH | 1.310B | .200A |
| 9837 | ---- | ---- | ---- | 1.242N | 1.212- | 3.0 | .956 | ---- | ---- | 7672 | | UNCH | 1.400B | .260A |
| 9850 | ---- | ---- | ---- | 1.365N | 1.335- | 3.0 | .965 | ---- | ---- | 4100 | | UNCH | 1.490B | .330A |
| 9862 | ---- | ---- | ---- | 1.490N | 1.460- | 3.0 | .973 | ---- | ---- | 1000 | | UNCH | 1.580B | .520A |
| 9875 | ---- | ---- | ---- | 1.615N | 1.585- | 3.0 | .981 | ---- | ---- | 700 | | UNCH | 1.680B | ---- |
| 9887 | ---- | ---- | ---- | 1.740N | 1.710- | 3.0 | .989 | ---- | ---- | 1200 | | UNCH | 1.780B | ---- |
| TOTAL | | | | | | | | | 18858 | 1657491 | + | 11998 | | |
| SEP19 | | (FUTURES SETT. | 97.1100 + | 4.0 ) | | | | | | | | | | |
| 9200 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH | .010B | .010 |
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | | UNCH | .110B | .110 |
| 9550 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 3000 | | UNCH | .020 | .020 |
| 9575 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 7758 | | UNCH | .110 | .000 |
| 9587 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | 2000 | | UNCH | ---- | ---- |
| 9600 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .013 | ---- | ---- | 11860 | | UNCH | .150 | .000 |
| 9612 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .025 | ---- | ---- | 70150 | | UNCH | .010B | .010 |
| 9625 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .038 | ---- | 415 | 55445 | + | 415 | .030 | .010A |
| 9637 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .060 | ---- | ---- | 64722 | | UNCH | .030 | .010 |
| 9650 | ---- | ---- | ---- | 0.025N | .022- | 0.2 | .099 | ---- | ---- | 185720 | | UNCH | .180 | .010A |
| 9662 | ---- | ---- | ---- | 0.047N | .042- | 0.5 | .162 | ---- | ---- | 108425 | | UNCH | .080B | .020A |
| 9675 | ---- | ---- | ---- | 0.082N | .072- | 1.0 | .239 | ---- | 415 | 81766 | + | 415 | .220 | .020 |
| 9687 | ---- | ---- | ---- | 0.127N | .115- | 1.2 | .328 | ---- | 500 | 64601 | | UNCH | .160 | .020 |
| 9700 | ---- | ---- | ---- | 0.185N | .170- | 1.5 | .419 | ---- | ---- | 55740 | | UNCH | .270 | .030A |
| 9712 | ---- | ---- | ---- | 0.252N | .235- | 1.7 | .509 | ---- | 325 | 57318 | | UNCH | .300B | .040A |
| 9725 | ---- | ---- | ---- | 0.332N | .310- | 2.2 | .592 | ---- | ---- | 81156 | | UNCH | .390B | .040A |
| 9737 | ---- | ---- | ---- | 0.422N | .395- | 2.7 | .665 | ---- | ---- | 96958 | | UNCH | .480B | .050A |
| 9750 | ---- | ---- | ---- | 0.517N | .490- | 2.7 | .726 | ---- | ---- | 33450 | | UNCH | .580B | .070A |
| 9762 | ---- | ---- | ---- | 0.620N | .590- | 3.0 | .778 | ---- | ---- | 9864 | | UNCH | .690B | .080A |
| 9775 | ---- | ---- | ---- | 0.727N | .697- | 3.0 | .820 | ---- | ---- | 48766 | | UNCH | .800B | .110 |
| 9787 | ---- | ---- | ---- | 0.840N | .805- | 3.5 | .856 | ---- | ---- | 16295 | | UNCH | .920B | .130A |
| 9800 | ---- | ---- | ---- | 0.955N | .920- | 3.5 | .883 | ---- | ---- | 24447 | | UNCH | 1.040B | .170A |
| 9812 | ---- | ---- | ---- | 1.070N | 1.035- | 3.5 | .903 | ---- | ---- | 7455 | | UNCH | 1.160B | .210A |
| 9825 | ---- | ---- | ---- | 1.190N | 1.155- | 3.5 | .918 | ---- | ---- | 6550 | | UNCH | .470B | .250A |
| 9850 | ---- | ---- | ---- | 1.432N | 1.395- | 3.7 | .945 | ---- | ---- | 2200 | | UNCH | .570B | .390A |
| 9862 | ---- | ---- | ---- | 1.557N | 1.517- | 4.0 | .957 | ---- | ---- | 750 | | UNCH | .670B | .680A |
| 9875 | ---- | ---- | ---- | 1.680N | 1.640- | 4.0 | .964 | ---- | ---- | 2100 | | UNCH | ---- | .790A |
| TOTAL | | | | | | | | | 1655 | 1098527 | + | 830 | | |
| DEC19 | | (FUTURES SETT. | 97.0700 + | 4.5 ) | | | | | | | | | | |
| 9225 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH | .010B | .010 |
| 9250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | | UNCH | .010 | .010 |
| 9275 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 5 | | UNCH | .010 | .010 |
| 9300 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 10 | | UNCH | .010 | .010 |
| 9450 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 110 | | UNCH | .010 | .000 |
| 9475 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1325 | | UNCH | .000 | .000 |
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 5183 | | UNCH | .050B | .000 |
| 9525 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 2500 | | UNCH | .000 | .000 |
| 9550 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 1450 | | UNCH | .040B | .000 |
| 9562 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | 2000 | | UNCH | ---- | ---- |
| 9575 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .012 | ---- | ---- | 3675 | | UNCH | .150 | .010 |
| 9587 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .022 | ---- | ---- | 290 | | UNCH | .010 | .010 |
| 9600 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .032 | ---- | ---- | 82806 | | UNCH | .110 | .010 |
| 9612 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .050 | ---- | ---- | 80803 | | UNCH | .040 | .020 |
| 9625 | ---- | ---- | ---- | 0.022N | .020- | 0.2 | .076 | ---- | 125 | 81877 | | UNCH | .060B | .020A |
| 9637 | ---- | ---- | ---- | 0.037N | .032- | 0.5 | .114 | ---- | 525 | 88416 | + | 400 | .080B | .020A |
| 9650 | ---- | ---- | ---- | 0.062N | .055- | 0.7 | .170 | ---- | 6235 | 208267 | + | 624 | .270 | .030 |
| 9662 | ---- | ---- | ---- | 0.095N | .085- | 1.0 | .234 | ---- | 1030 | 67380 | + | 555 | .140B | .030 |
| 9675 | ---- | ---- | ---- | 0.137N | .125- | 1.2 | .305 | ---- | ---- | 141689 | | UNCH | .180B | .040 |
| 9687 | ---- | ---- | ---- | 0.190N | .172- | 1.7 | .380 | ---- | ---- | 79304 | | UNCH | .230B | .040A |
| 9700 | ---- | ---- | ---- | 0.250N | .230- | 2.0 | .456 | ---- | 6464 | 117192 | + | 1520 | .450B | .060 |
| 9712 | ---- | ---- | ---- | 0.320N | .297- | 2.2 | .530 | ---- | 100 | 95221 | - | 100 | .380B | .060A |
| 9725 | ---- | ---- | ---- | 0.402N | .375- | 2.7 | .599 | ---- | ---- | 68878 | | UNCH | .530B | .060A |
| 9737 | ---- | ---- | ---- | 0.492N | .460- | 3.2 | .661 | ---- | ---- | 52008 | | UNCH | .570B | .080A |
| 9750 | ---- | ---- | ---- | 0.587N | .552- | 3.5 | .715 | ---- | ---- | 53939 | | UNCH | .660B | .100A |
| 9762 | ---- | ---- | ---- | 0.687N | .652- | 3.5 | .759 | ---- | ---- | 22709 | | UNCH | .770B | .120A |
| 9775 | ---- | ---- | ---- | 0.792N | .755- | 3.7 | .799 | ---- | 12 | 44651 | - | 12 | .880B | .140 |
| 9787 | ---- | ---- | ---- | 0.900N | .865- | 3.5 | .831 | ---- | ---- | 21673 | | UNCH | .990B | .170A |
| 9800 | ---- | ---- | ---- | 1.012N | .975- | 3.7 | .857 | ---- | ---- | 26714 | | UNCH | 1.110B | .220A |
| 9812 | ---- | ---- | ---- | 1.125N | 1.087- | 3.7 | .883 | ---- | ---- | 1305 | | UNCH | 1.230B | .260A |
| 9825 | ---- | ---- | ---- | 1.242N | 1.202- | 4.0 | .900 | ---- | ---- | 975 | | UNCH | 1.190B | .310A |
| 9837 | ---- | ---- | ---- | 1.362N | 1.320- | 4.2 | .917 | ---- | ---- | 250 | | UNCH | .630B | .370A |
| 9850 | ---- | ---- | ---- | 1.482N | 1.440- | 4.2 | .929 | ---- | ---- | 1975 | | UNCH | .870B | .450A |
| 9862 | ---- | ---- | ---- | 1.602N | 1.560- | 4.2 | .940 | ---- | ---- | 250 | | UNCH | .650 | .450 |
| 9875 | ---- | ---- | ---- | 1.725N | 1.682- | 4.2 | .951 | ---- | ---- | 2000 | | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 14491 | 1356865 | + | 2987 | | |
| MAR20 | | (FUTURES SETT. | 97.0600 + | 4.5 ) | | | | | | | | | | |
| 9250 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 30 | | UNCH | .040 | .010 |
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 1280 | | UNCH | .020B | .010 |
| 9525 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 200 | | UNCH | .010B | .010 |
| 9550 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .010 | ---- | ---- | 210 | | UNCH | .050 | .010 |
| 9562 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .019 | ---- | ---- | 2000 | | UNCH | ---- | .010A |
| 9575 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .028 | ---- | 1000 | 41000 | + | 1000 | .020B | .010 |
| 9587 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .037 | ---- | 1125 | 57225 | | UNCH | .030B | .010A |
| 9600 | ---- | ---- | ---- | 0.017N | .015- | 0.2 | .053 | ---- | ---- | 34140 | | UNCH | .190 | .010 |
| 9612 | ---- | ---- | ---- | 0.027N | .025- | 0.2 | .081 | ---- | ---- | 91025 | | UNCH | .070B | .020A |
| 9625 | ---- | ---- | ---- | 0.045N | .040- | 0.5 | .117 | ---- | ---- | 38226 | | UNCH | .130 | .020A |
| 9637 | ---- | ---- | ---- | 0.067N | .060- | 0.7 | .161 | ---- | ---- | 31190 | | UNCH | .110B | .030A |
| 9650 | ---- | ---- | ---- | 0.097N | .087- | 1.0 | .214 | ---- | 30000 | 80095 | + | 15000 | .160B | .030A |
| 9662 | ---- | ---- | ---- | 0.135N | .122- | 1.2 | .273 | ---- | ---- | 46033 | | UNCH | .180B | .040A |
| 9675 | ---- | ---- | ---- | 0.180N | .165- | 1.5 | .335 | ---- | ---- | 31538 | | UNCH | .450 | .050A |
| 9687 | ---- | ---- | ---- | 0.232N | .215- | 1.7 | .400 | ---- | 12000 | 25009 | + | 9450 | .280B | .060A |
| 9700 | ---- | ---- | ---- | 0.295N | .272- | 2.2 | .466 | ---- | ---- | 49458 | | UNCH | .530 | .080A |
| 9712 | ---- | ---- | ---- | 0.367N | .340- | 2.7 | .531 | ---- | ---- | 18090 | | UNCH | .430B | .100A |
| 9725 | ---- | ---- | ---- | 0.442N | .417- | 2.5 | .592 | ---- | ---- | 25100 | | UNCH | .510B | .130A |
| 9750 | ---- | ---- | ---- | 0.620N | .590- | 3.0 | .696 | ---- | ---- | 7106 | | UNCH | .710B | .200A |
| 9762 | ---- | ---- | ---- | 0.720N | .685- | 3.5 | .740 | ---- | ---- | 10708 | | UNCH | .810B | .240A |
| 9775 | ---- | ---- | ---- | 0.822N | .787- | 3.5 | .776 | ---- | ---- | 4450 | | UNCH | .920B | .280A |
| 9787 | ---- | ---- | ---- | 0.930N | .892- | 3.7 | .808 | ---- | ---- | 35300 | | UNCH | 1.030B | .340A |
| 9800 | ---- | ---- | ---- | 1.037N | 1.002- | 3.5 | .835 | ---- | ---- | 17975 | | UNCH | 1.150B | .400A |
| 9812 | ---- | ---- | ---- | 1.150N | 1.112- | 3.7 | .859 | ---- | ---- | 500 | | UNCH | 1.270B | .470A |
| 9825 | ---- | ---- | ---- | 1.262N | 1.225- | 3.7 | .878 | ---- | ---- | 12450 | | UNCH | 1.390B | .550A |
| 10000 | ---- | ---- | ---- | 2.985N | 2.940- | 4.5 | .993 | ---- | ---- | 10052 | | UNCH | 3.140B | 1.940A |
| TOTAL | | | | | | | | | 44125 | 670390 | + | 25450 | | |
| JUN20 | | (FUTURES SETT. | 97.0650 + | 5.0 ) | | | | | | | | | | |
| 9175 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | | UNCH | .010B | .010 |
| 9350 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 40 | | UNCH | .080 | .010 |
| 9450 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10 | | UNCH | .010B | .010 |
| 9500 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | 5750 | | UNCH | .020B | ---- |
| 9550 | ---- | ---- | ---- | 0.007N | .005- | 0.2 | .018 | ---- | ---- | 5850 | | UNCH | .010 | .010 |
| 9562 | ---- | ---- | ---- | 0.010N | .007- | 0.2 | .026 | ---- | ---- | 27500 | | UNCH | .020B | .010 |
| 9575 | ---- | ---- | ---- | 0.012N | .010- | 0.2 | .034 | ---- | 4300 | 80000 | | UNCH | .050B | .020A |
| 9587 | ---- | ---- | ---- | 0.020N | .017- | 0.2 | .054 | ---- | ---- | 42150 | | UNCH | .060 | .020 |
| 9600 | ---- | ---- | ---- | 0.032N | .027- | 0.5 | .079 | ---- | ---- | 119044 | | UNCH | .130 | .020A |
| 9612 | ---- | ---- | ---- | 0.047N | .040- | 0.7 | .107 | ---- | ---- | 75653 | | UNCH | .100B | .030A |
| 9625 | ---- | ---- | ---- | 0.067N | .060- | 0.7 | .147 | ---- | 4300 | 30900 | + | 3300 | .120B | .030A |
| 9637 | ---- | ---- | ---- | 0.095N | .085- | 1.0 | .191 | ---- | ---- | 19947 | | UNCH | .150B | .050A |
| 9650 | ---- | ---- | ---- | 0.130N | .115- | 1.5 | .240 | ---- | 30 | 19696 | + | 30 | .190B | .050A |
| 9662 | ---- | ---- | ---- | 0.170N | .152- | 1.7 | .293 | ---- | ---- | 8650 | | UNCH | .230B | .060A |
| 9675 | ---- | ---- | ---- | 0.217N | .197- | 2.0 | .350 | ---- | ---- | 33619 | | UNCH | .270B | .070A |
| 9687 | ---- | ---- | ---- | 0.270N | .250- | 2.0 | .409 | ---- | ---- | 22844 | | UNCH | .320B | .090A |
| 9700 | ---- | ---- | ---- | 0.332N | .310- | 2.2 | .467 | ---- | 1250 | 8717 | + | 435 | .600 | .110A |
| 9712 | ---- | ---- | ---- | 0.405N | .375- | 3.0 | .525 | ---- | ---- | 37955 | | UNCH | .470B | .130A |
| 9725 | ---- | ---- | ---- | 0.480N | .450- | 3.0 | .580 | ---- | ---- | 2995 | | UNCH | .560B | .160A |
| 9737 | ---- | ---- | ---- | 0.562N | .530- | 3.2 | .631 | ---- | ---- | 24425 | | UNCH | .650B | .190A |
| 9750 | ---- | ---- | ---- | 0.650N | .617- | 3.2 | .677 | ---- | ---- | 4160 | | UNCH | .780 | .190 |
| 9762 | ---- | ---- | ---- | 0.745N | .710- | 3.5 | .719 | ---- | ---- | 3304 | | UNCH | .850B | .280A |
| 9775 | ---- | ---- | ---- | 0.845N | .807- | 3.7 | .754 | ---- | ---- | 10438 | | UNCH | .960B | .300 |
| 9787 | ---- | ---- | ---- | 0.947N | .910- | 3.7 | .786 | ---- | ---- | 7000 | | UNCH | .590B | .390A |
| 9800 | ---- | ---- | ---- | 1.055N | 1.015- | 4.0 | .814 | ---- | ---- | 4660 | | UNCH | .600B | .350 |
| 9812 | ---- | ---- | ---- | 1.162N | 1.122- | 4.0 | .838 | ---- | ---- | 32250 | | UNCH | .440 | .440 |
| 9825 | ---- | ---- | ---- | 1.275N | 1.232- | 4.2 | .862 | ---- | ---- | 2 | | UNCH | 1.160 | .430 |
| 9837 | ---- | ---- | ---- | 1.387N | 1.345- | 4.2 | .879 | ---- | ---- | 3 | | UNCH | 1.240 | .490 |
| 9850 | ---- | ---- | ---- | 1.505N | 1.462- | 4.2 | .894 | ---- | ---- | 50 | | UNCH | 1.540 | .530 |
| 9875 | ---- | ---- | ---- | 1.742N | 1.697- | 4.5 | .920 | ---- | ---- | 251 | | UNCH | .710 | .710 |

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# EURO DOLLAR PUT OPTIONS



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## FINAL



| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | | | | | | | | | | | 9880 | 627883 | + | 3765 | | |
| SEP20 | | (FUTURES SETT. | 97.0700 + | 5.5 ) | | | | | | | | | | | | |
| 9350 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 30 | | UNCH | .010B | .010 | | |
| 9375 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10 | | UNCH | .010 | .010 | | |
| 9500 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .014 | ---- | ---- | 1850 | | UNCH | .010 | .010 | | |
| 9525 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .021 | ---- | ---- | 1000 | | UNCH | .020B | .020A | | |
| 9550 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .035 | ---- | ---- | 1000 | | UNCH | .030B | .020A | | |
| 9562 | ---- | ---- | ---- | 0.017N | .017 | UNCH | .047 | ---- | ---- | 1190 | | UNCH | .040B | .020A | | |
| 9575 | ---- | ---- | ---- | 0.025N | .022- | 0.2 | .060 | ---- | ---- | 6737 | | UNCH | .060B | .020A | | |
| 9587 | ---- | ---- | ---- | 0.035N | .032- | 0.2 | .081 | ---- | ---- | 3500 | | UNCH | .070B | .030A | | |
| 9600 | ---- | ---- | ---- | 0.050N | .047- | 0.2 | .110 | ---- | ---- | 73651 | | UNCH | .190 | .030A | | |
| 9612 | ---- | ---- | ---- | 0.070N | .065- | 0.5 | .141 | ---- | ---- | 20001 | | UNCH | .110B | .040A | | |
| 9625 | ---- | ---- | ---- | 0.095N | .090- | 0.5 | .181 | ---- | ---- | 38523 | | UNCH | .150B | .060A | | |
| 9637 | ---- | ---- | ---- | 0.125N | .117- | 0.7 | .221 | ---- | ---- | 11197 | | UNCH | .180B | .050A | | |
| 9650 | ---- | ---- | ---- | 0.160N | .150- | 1.0 | .265 | ---- | ---- | 27894 | | UNCH | .220B | .060 | | |
| 9662 | ---- | ---- | ---- | 0.202N | .190- | 1.2 | .314 | ---- | ---- | 9250 | | UNCH | .260B | .080A | | |
| 9675 | ---- | ---- | ---- | 0.250N | .235- | 1.5 | .364 | ---- | ---- | 9300 | | UNCH | .310B | .090A | | |
| 9687 | ---- | ---- | ---- | 0.305N | .285- | 2.0 | .415 | ---- | ---- | 7944 | | UNCH | .360B | .110A | | |
| 9700 | ---- | ---- | ---- | 0.365N | .342- | 2.2 | .468 | ---- | 1550 | 18259 | - | 1450 | .600 | .130A | | |
| 9712 | ---- | ---- | ---- | 0.432N | .407- | 2.5 | .520 | ---- | ---- | 22149 | | UNCH | .510B | .160A | | |
| 9725 | ---- | ---- | ---- | 0.510N | .482- | 2.7 | .570 | ---- | ---- | 11095 | | UNCH | .600B | .190A | | |
| 9737 | ---- | ---- | ---- | 0.590N | .562- | 2.7 | .617 | ---- | ---- | 106 | | UNCH | .690B | .230A | | |
| 9750 | ---- | ---- | ---- | 0.680N | .647- | 3.2 | .659 | ---- | ---- | 2111 | | UNCH | .780B | .270A | | |
| 9762 | ---- | ---- | ---- | 0.772N | .740- | 3.2 | .697 | ---- | ---- | 3613 | | UNCH | .880B | .320A | | |
| 9775 | ---- | ---- | ---- | 0.870N | .832- | 3.7 | .732 | ---- | ---- | 14531 | | UNCH | .990B | .370A | | |
| 9787 | ---- | ---- | ---- | 0.970N | .930- | 4.0 | .765 | ---- | ---- | 19250 | | UNCH | 1.090B | .430A | | |
| 9800 | ---- | ---- | ---- | 1.070N | 1.030- | 4.0 | .795 | ---- | ---- | 450 | | UNCH | 1.210B | .490A | | |
| 9825 | ---- | ---- | ---- | 1.287N | 1.242- | 4.5 | .842 | ---- | ---- | 1 | | UNCH | 1.440B | .520 | | |
| 9850 | ---- | ---- | ---- | 1.515N | 1.467- | 4.7 | .878 | ---- | ---- | 2 | | UNCH | .650 | .560 | | |
| 9925 | ---- | ---- | ---- | 2.235N | 2.180- | 5.5 | .946 | ---- | ---- | 1 | | UNCH | 1.930 | 1.010 | | |
| TOTAL | | | | | | | | | 1550 | 304645 | - | 1450 | | | | |
| DEC20 | | (FUTURES SETT. | 97.0650 + | 5.5 ) | | | | | | | | | | | | |
| 9375 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10 | | UNCH | .010 | .010 | | |
| 9400 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 31 | | UNCH | .040B | .010 | | |
| 9425 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 4750 | | UNCH | .010 | .010 | | |
| 9450 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 3 | | UNCH | .020 | .010A | | |
| 9500 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .014 | ---- | ---- | 10160 | | UNCH | .240 | .010 | | |
| 9550 | ---- | ---- | ---- | 0.022N | .020- | 0.2 | .049 | ---- | ---- | 42351 | | UNCH | .280B | .030A | | |
| 9562 | ---- | ---- | ---- | 0.030N | .027- | 0.2 | .065 | ---- | ---- | 1679 | | UNCH | .060B | .060A | | |
| 9575 | ---- | ---- | ---- | 0.040N | .035- | 0.5 | .080 | ---- | 25 | 17082 | | UNCH | .080 | .040A | | |
| 9587 | ---- | ---- | ---- | 0.052N | .047- | 0.5 | .103 | ---- | ---- | 65068 | | UNCH | .090B | .050A | | |
| 9600 | ---- | ---- | ---- | 0.072N | .065- | 0.7 | .132 | ---- | 105 | 42369 | + | 5 | .400B | .050 | | |
| 9612 | ---- | ---- | ---- | 0.095N | .085- | 1.0 | .164 | ---- | ---- | 11700 | | UNCH | .150B | .090A | | |
| 9625 | ---- | ---- | ---- | 0.122N | .112- | 1.0 | .202 | ---- | ---- | 90674 | | UNCH | .180B | .080 | | |
| 9637 | ---- | ---- | ---- | 0.155N | .142- | 1.2 | .241 | ---- | ---- | 2900 | | UNCH | .220B | .100 | | |
| 9650 | ---- | ---- | ---- | 0.192N | .177- | 1.5 | .283 | ---- | ---- | 15474 | | UNCH | .260B | .080 | | |
| 9662 | ---- | ---- | ---- | 0.237N | .220- | 1.7 | .329 | ---- | ---- | 9405 | | UNCH | .300B | .140A | | |
| 9675 | ---- | ---- | ---- | 0.287N | .267- | 2.0 | .376 | ---- | ---- | 5651 | | UNCH | .350B | .170A | | |
| 9687 | ---- | ---- | ---- | 0.342N | .320- | 2.2 | .424 | ---- | ---- | 4874 | | UNCH | .410B | .210A | | |
| 9700 | ---- | ---- | ---- | 0.402N | .380- | 2.2 | .472 | ---- | 100 | 39310 | - | 100 | .480B | .180 | | |
| 9712 | ---- | ---- | ---- | 0.470N | .442- | 2.7 | .520 | ---- | ---- | 9556 | | UNCH | .560B | .380A | | |
| 9725 | ---- | ---- | ---- | 0.545N | .512- | 3.2 | .567 | ---- | ---- | 12300 | | UNCH | .640B | .430A | | |
| 9737 | ---- | ---- | ---- | 0.627N | .590- | 3.7 | .611 | ---- | ---- | 450 | | UNCH | .730B | .490A | | |
| 9750 | ---- | ---- | ---- | 0.710N | .675- | 3.5 | .651 | ---- | ---- | 200 | | UNCH | .590B | .340A | | |
| 9762 | ---- | ---- | ---- | 0.800N | .762- | 3.7 | .689 | ---- | ---- | 150 | | UNCH | .450B | ---- | | |
| 9775 | ---- | ---- | ---- | 0.895N | .852- | 4.2 | .723 | ---- | ---- | 3650 | | UNCH | ---- | ---- | | |
| 9787 | ---- | ---- | ---- | 0.990N | .950- | 4.0 | .754 | ---- | ---- | 200 | | UNCH | ---- | ---- | | |
| TOTAL | | | | | | | | | 230 | 389997 | - | 95 | | | | |
| MAR21 | | (FUTURES SETT. | 97.0750 + | 5.5 ) | | | | | | | | | | | | |
| 9350 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 30 | | UNCH | .010 | .010 | | |
| 9400 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 10 | | UNCH | .010 | .010 | | |
| 9450 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .007 | ---- | ---- | 10 | | UNCH | .010 | .010 | | |
| 9475 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .013 | ---- | ---- | 10 | | UNCH | .020 | .020 | | |
| 9500 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .024 | ---- | ---- | 20 | | UNCH | .020 | .010 | | |
| 9537 | ---- | ---- | ---- | 0.025N | .022- | 0.2 | .050 | ---- | ---- | 500 | | UNCH | .030B | ---- | | |
| 9550 | ---- | ---- | ---- | 0.032N | .030- | 0.2 | .064 | ---- | ---- | 3218 | | UNCH | .260 | .180A | | |
| 9562 | ---- | ---- | ---- | 0.042N | .037- | 0.5 | .079 | ---- | ---- | 5049 | | UNCH | ---- | ---- | | |
| 9575 | ---- | ---- | ---- | 0.055N | .050- | 0.5 | .100 | ---- | ---- | 5250 | | UNCH | .060B | ---- | | |
| 9587 | ---- | ---- | ---- | 0.072N | .065- | 0.7 | .124 | ---- | ---- | 70622 | | UNCH | .080B | ---- | | |
| 9600 | ---- | ---- | ---- | 0.092N | .085- | 0.7 | .152 | ---- | ---- | 39335 | | UNCH | .280B | .060 | | |
| 9612 | ---- | ---- | ---- | 0.117N | .107- | 1.0 | .183 | ---- | ---- | 13940 | | UNCH | .130B | .120A | | |
| 9625 | ---- | ---- | ---- | 0.147N | .135- | 1.2 | .218 | ---- | 200 | 48990 | | UNCH | .160B | .150 | | |
| 9637 | ---- | ---- | ---- | 0.182N | .167- | 1.5 | .256 | ---- | ---- | 516 | | UNCH | .200B | .200A | | |
| 9650 | ---- | ---- | ---- | 0.220N | .205- | 1.5 | .296 | ---- | ---- | 4186 | | UNCH | .240B | .130 | | |
| 9662 | ---- | ---- | ---- | 0.265N | .247- | 1.7 | .338 | ---- | ---- | 400 | | UNCH | .290B | .250A | | |
| 9675 | ---- | ---- | ---- | 0.312N | .292- | 2.0 | .380 | ---- | ---- | 19749 | | UNCH | .350B | .290A | | |
| 9687 | ---- | ---- | ---- | 0.367N | .345- | 2.2 | .425 | ---- | ---- | 14100 | | UNCH | .410B | .340A | | |
| 9700 | ---- | ---- | ---- | 0.427N | .402- | 2.5 | .470 | ---- | 100 | 23454 | + | 100 | .480B | .240A | | |
| 9712 | ---- | ---- | ---- | 0.495N | .467- | 2.7 | .515 | ---- | ---- | 4925 | | UNCH | .550B | .460A | | |
| 9737 | ---- | ---- | ---- | 0.645N | .612- | 3.2 | .600 | ---- | ---- | 8450 | | UNCH | .650 | .600A | | |
| 9750 | ---- | ---- | ---- | 0.727N | .692- | 3.5 | .639 | ---- | ---- | 50 | | UNCH | ---- | ---- | | |
| 9775 | ---- | ---- | ---- | 0.905N | .867- | 3.7 | .709 | ---- | ---- | 400 | | UNCH | ---- | ---- | | |
| 9787 | ---- | ---- | ---- | 1.000N | .960- | 4.0 | .740 | ---- | ---- | 1050 | | UNCH | ---- | ---- | | |
| TOTAL | | | | | | | | | 300 | 264264 | + | 100 | | | | |
| JUN21 | | (FUTURES SETT. | 97.0750 + | 5.5 ) | | | | | | | | | | | | |
| 9400 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .018 | ---- | ---- | 30 | | UNCH | .010 | .010 | | |
| 9550 | ---- | ---- | ---- | 0.042N | .037- | 0.5 | .075 | ---- | ---- | 3250 | | UNCH | ---- | .080A | | |
| 9600 | ---- | ---- | ---- | 0.112N | .102- | 1.0 | .168 | ---- | ---- | 5200 | | UNCH | .100B | .090 | | |
| 9612 | ---- | ---- | ---- | 0.140N | .127- | 1.2 | .199 | ---- | ---- | 3000 | | UNCH | ---- | .170A | | |
| 9650 | 0.225 | #.225 | *.225 | 0.225 | .225- | 2.0 | .305 | ---- | 6670 | 6675 | + | 6670 | .230 | .200A | | |
| 9700 | ---- | ---- | ---- | 0.455N | .430- | 2.5 | .472 | ---- | 3435 | 5700 | + | 950 | .350B | .280A | | |
| 9712 | ---- | ---- | ---- | 0.522N | .495- | 2.7 | .514 | ---- | ---- | 25 | | UNCH | ---- | ---- | | |
| 9775 | ---- | ---- | ---- | 0.925N | .887- | 3.7 | .699 | ---- | ---- | 1758 | | UNCH | ---- | ---- | | |
| 9787 | ---- | ---- | ---- | 1.017N | .977- | 4.0 | .730 | ---- | ---- | 650 | | UNCH | ---- | ---- | | |
| 9800 | ---- | ---- | ---- | 1.115N | 1.070- | 4.5 | .759 | ---- | ---- | 2 | | UNCH | .690 | .660A | | |
| TOTAL | | | | | | | | | 10105 | 26290 | + | 7620 | | | | |
| SEP21 | | (FUTURES SETT. | 97.0750 + | 5.5 ) | | | | | | | | | | | | |
| 9550 | ---- | ---- | ---- | 0.062N | .057- | 0.5 | .098 | ---- | ---- | 1505 | | UNCH | .110 | .080 | | |
| 9575 | ---- | ---- | ---- | 0.090N | .082- | 0.7 | .134 | ---- | ---- | 4000 | | UNCH | ---- | ---- | | |
| 9600 | ---- | ---- | ---- | 0.135N | .122- | 1.2 | .184 | ---- | ---- | 1000 | | UNCH | .090 | .090A | | |
| 9650 | ---- | ---- | ---- | 0.275N | .257- | 1.7 | .318 | ---- | ---- | 10 | | UNCH | .170 | .170 | | |
| 9687 | ---- | ---- | ---- | 0.427N | .405- | 2.2 | .433 | ---- | ---- | 2000 | | UNCH | ---- | ---- | | |
| 9700 | ---- | ---- | ---- | 0.487N | .462- | 2.5 | .473 | ---- | ---- | 1155 | | UNCH | .490B | .270 | | |
| 9712 | ---- | ---- | ---- | 0.555N | .527- | 2.7 | .513 | ---- | ---- | 25 | | UNCH | .560B | ---- | | |
| 9762 | ---- | ---- | ---- | 0.865N | .830- | 3.5 | .656 | ---- | ---- | 400 | | UNCH | ---- | ---- | | |
| TOTAL | | | | | | | | | 0 | 10095 | | | | | | |
| DEC21 | | (FUTURES SETT. | 97.0650 + | 5.5 ) | | | | | | | | | | | | |
| 9500 | ---- | ---- | ---- | 0.050N | .045- | 0.5 | .070 | ---- | ---- | 105 | | UNCH | .100B | .090 | | |
| 9550 | ---- | ---- | ---- | 0.072N | .067- | 0.5 | .108 | ---- | ---- | 5 | | UNCH | .080 | .080 | | |
| 9575 | ---- | ---- | ---- | 0.100N | .092- | 0.7 | .143 | ---- | ---- | 20 | | UNCH | .150B | .110 | | |
| 9650 | ---- | ---- | ---- | 0.290N | .272- | 1.7 | .325 | ---- | ---- | 50 | | UNCH | .190 | .190 | | |
| 9700 | ---- | ---- | ---- | 0.510N | .485- | 2.5 | .477 | ---- | ---- | 550 | | UNCH | ---- | ---- | | |
| 9712 | ---- | ---- | ---- | 0.577N | .550- | 2.7 | .515 | ---- | ---- | 25 | | UNCH | ---- | ---- | | |
| 9750 | ---- | ---- | ---- | 0.802N | .770- | 3.2 | .621 | ---- | ---- | 3 | | UNCH | .840B | .500 | | |
| TOTAL | | | | | | | | | 0 | 758 | | | | | | |
| MAR22 | | (FUTURES SETT. | 97.0650 + | 5.5 ) | | | | | | | | | | | | |
| 9550 | ---- | ---- | ---- | 0.085N | .077- | 0.7 | .117 | ---- | ---- | 2000 | | UNCH | ---- | ---- | | |
| 9575 | ---- | ---- | ---- | 0.115N | .105- | 1.0 | .153 | ---- | ---- | 30 | | UNCH | .180 | .140 | | |
| 9687 | ---- | ---- | ---- | 0.475N | .450- | 2.5 | .441 | ---- | ---- | 100 | | UNCH | ---- | ---- | | |
| 9700 | ---- | ---- | ---- | 0.537N | .510- | 2.7 | .478 | ---- | ---- | 3000 | | UNCH | .600 | .560 | | |
| 9712 | ---- | ---- | ---- | 0.607N | .575- | 3.2 | .514 | ---- | ---- | 350 | | UNCH | .570B | ---- | | |
| 10275 | ---- | ---- | ---- | 5.740N | 5.685- | 5.5 | .999 | ---- | ---- | 1 | | UNCH | 5.970 | 5.970 | | |
| TOTAL | | | | | | | | | 0 | 5481 | | | | | | |

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# EURO DOLLAR PUT OPTIONS



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## FINAL



OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES |
|---|---|---|---|---|---|---|
| EURO DLR CALL | EURODOLLAR OPTIONS | | | | | |
| JUL18 CALL | | | | | | |
| ZE | 9712 | ---- | ---- | ---- | ---- | 740 |
| ZE | 9762 | ---- | ---- | 20000 | ---- | ---- |
| ZE | 9775 | ---- | ---- | 10000 | ---- | ---- |
| TOTALS | | 0 | 0 | 30000 | 0 | 740 |
| AUG18 CALL | | | | | | |
| ZE | 9712 | ---- | ---- | ---- | 3 | 3 |
| TOTALS | | 0 | 0 | 0 | 3 | 3 |
| SEP18 CALL | | | | | | |
| ZE | 9712 | ---- | ---- | ---- | ---- | 700 |
| ZE | 9762 | ---- | ---- | 144200 | ---- | ---- |
| ZE | 9775 | ---- | ---- | 55000 | ---- | ---- |
| TOTALS | | 0 | 0 | 199200 | 0 | 700 |
| DEC18 CALL | | | | | | |
| ZE | 9650 | ---- | ---- | ---- | ---- | 300 |
| TOTALS | | 0 | 0 | 0 | 0 | 300 |
| JUN19 CALL | | | | | | |
| ZE | 9762 | ---- | ---- | 20000 | ---- | ---- |
| TOTALS | | 0 | 0 | 20000 | 0 | 0 |
| DEC19 CALL | | | | | | |
| ZE | 9700 | ---- | ---- | 10000 | ---- | ---- |
| ZE | 9787 | ---- | ---- | 20000 | ---- | ---- |
| TOTALS | | 0 | 0 | 30000 | 0 | 0 |
| EURO DLR PUT | EURODOLLAR OPTIONS | | | | | |
| JUL18 PUT | | | | | | |
| ZE | 9737 | ---- | ---- | 12500 | ---- | ---- |
| TOTALS | | 0 | 0 | 12500 | 0 | 0 |
| SEP18 PUT | | | | | | |
| ZE | 9712 | ---- | ---- | 22500 | ---- | ---- |
| ZE | 9725 | ---- | ---- | 65000 | ---- | ---- |
| ZE | 9737 | ---- | ---- | 145000 | ---- | ---- |
| ZE | 9750 | ---- | ---- | 75000 | ---- | ---- |
| ZE | 9812 | ---- | ---- | ---- | 320 | 13222 |
| ZE | 9825 | ---- | ---- | ---- | ---- | 20511 |
| ZE | 9837 | ---- | ---- | ---- | ---- | 24766 |
| ZE | 9850 | ---- | ---- | ---- | ---- | 21100 |
| ZE | 9862 | ---- | ---- | ---- | ---- | 1500 |
| ZE | 9887 | ---- | ---- | ---- | ---- | 1500 |
| TOTALS | | 0 | 0 | 307500 | 320 | 82599 |
| OCT18 PUT | | | | | | |
| ZE | 9725 | ---- | ---- | 35000 | ---- | ---- |
| ZE | 9737 | ---- | ---- | 30000 | ---- | ---- |
| TOTALS | | 0 | 0 | 65000 | 0 | 0 |
| DEC18 PUT | | | | | | |
| ZE | 9725 | ---- | ---- | 10400 | ---- | ---- |
| ZE | 9800 | ---- | ---- | ---- | ---- | 3450 |
| ZE | 9812 | ---- | ---- | ---- | ---- | 222 |
| ZE | 9825 | ---- | ---- | ---- | 20926 | 31950 |
| ZE | 9837 | ---- | ---- | ---- | 15000 | 37875 |
| ZE | 9850 | ---- | ---- | ---- | ---- | 2750 |
| ZE | 9862 | ---- | ---- | ---- | ---- | 100 |
| ZE | 9875 | ---- | ---- | ---- | ---- | 2825 |
| ZE | 9887 | ---- | ---- | ---- | ---- | 195 |
| ZE | 9900 | ---- | ---- | ---- | ---- | 8250 |
| TOTALS | | 0 | 0 | 10400 | 35926 | 87617 |
| MAR19 PUT | | | | | | |
| ZE | 9675 | ---- | ---- | 5000 | ---- | ---- |
| ZE | 9687 | ---- | ---- | 10000 | ---- | ---- |
| ZE | 9700 | ---- | ---- | 35000 | ---- | ---- |
| ZE | 9712 | ---- | ---- | 30000 | ---- | ---- |
| ZE | 9800 | ---- | ---- | ---- | ---- | 1494 |
| ZE | 9812 | ---- | ---- | ---- | ---- | 50 |
| ZE | 9825 | ---- | ---- | ---- | ---- | 5227 |
| ZE | 9862 | ---- | ---- | ---- | ---- | 500 |
| ZE | 9875 | ---- | ---- | ---- | ---- | 500 |
| TOTALS | | 0 | 0 | 80000 | 0 | 7771 |
| MAR20 PUT | | | | | | |
| ZE | 10000 | ---- | ---- | ---- | ---- | 100 |
| TOTALS | | 0 | 0 | 0 | 0 | 100 |
| JUN20 PUT | | | | | | |
| ZE | 9600 | ---- | ---- | 15000 | ---- | ---- |
| TOTALS | | 0 | 0 | 15000 | 0 | 0 |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/4 TICK VALUE = $6.25 PRODCUT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### MIDCURVE, BUNDLE, CALENDAR SPREAD EURODOLLAR CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| WK1 MDCRV OPT | 06/01 | 07/06 | | | | | | | |
| WK2 MDCRV OPT | 06/08 | | | | | | | | |
| WK4 MDCRV OPT | 06/22 | | | | | | | | |
| WK5 MDCRV OPT | 06/29 | | | | | | | | |
| BU5 OPT | 06/15 | 07/13 | 08/10 | 09/14 | | | 12/14 | | |
| 1YR MIDCRV OPT | 06/15 | 07/13 | 08/10 | 09/14 | 10/12 | 11/16 | 12/14 | 03/15 | 06/14 |
| 2YR MIDCRV OPT | 06/15 | 07/13 | 08/10 | 09/14 | 10/12 | 11/16 | 12/14 | 03/15 | 06/14 |
| 3YR MIDCRV OPT | 06/15 | 07/13 | 08/10 | 09/14 | 10/12 | 11/16 | 12/14 | 03/15 | 06/14 |
| 4YR MIDCRV OPT | 06/15 | 07/13 | 08/10 | 09/14 | 10/12 | 11/16 | 12/14 | 03/15 | 06/14 |
| 5YR MIDCRV OPT | 06/15 | 07/13 | 08/10 | 09/14 | 10/12 | 11/16 | 12/14 | 03/15 | 06/14 |
| ED SPRD OPT | 06/15 | 07/13 | 08/10 | 09/14 | | | 12/14 | 03/15 | 06/14 |
| T | | 07/13 | 08/10 | 09/14 | | | | | |
| T | | 07/13 | 08/10 | 09/14 | | | | | |

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| 5YR MIDCRV OPT | | | | | | | 12/14 | | |
| SR1 FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | | | |
| SR3 FUT | 09/18 | | | 12/18 | | | 03/19 | 06/18 | 09/17 |

### MIDCURVE, BUNDLE, CALENDAR SPREAD EURODOLLAR OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | | WEEK 1 | WEEK 2 | WEEK 4 | WEEK 5 |
|---|---|---|---|---|---|
| 1K | JUN18 | 9150-10300 | 9150-10300 | 9150-10275 | 9150-10250 |
| | JUL18 | 9150-10250 | | | |

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|
| E0 | 91.50-103.75 | 91.50-103.00 | 91.50-102.75 | 91.50-103.75 | 91.50-102.75 | 91.50-102.75 | 91.50-103.25 | 91.50-103.00 | 91.25-102.75 |
| E2 | 91.25-103.75 | 91.25-103.00 | 91.25-102.75 | 91.25-103.50 | 91.25-102.75 | 91.25-102.75 | 91.25-103.25 | 91.25-103.00 | 91.25-102.75 |
| E5 | 91.25-103.25 | 91.25-102.75 | 91.25-102.50 | 91.25-103.00 | 91.25-102.50 | 91.25-102.50 | 91.25-103.00 | 91.25-102.75 | 91.25-102.50 |

| | DEC18 |
|---|---|
| E5 | 91.25-103.00 |

### 1, 2, 3 & 4 YEAR MIDCURVE EURO DOLLAR CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1YR MIDCRV CALL | | | | | | | | | | | | | |
| JUL18 | 1YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| E0 | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.197N | .237+ | 400 | .960 | ---- | ---- | 572 | UNCH | .470B | .125A |
| 9700 | ---- | ---- | ---- | 0.090N | .125+ | 350 | .804 | ---- | ---- | 28044 | UNCH | .350B | .055A |
| 9712 | 0.040 | .040 | .040 | 0.040 | .047+ | 175 | .455 | ---- | 6484 | 74800 | - 541 | .375B | .025A |
| 9725 | ---- | .015 | *.010 | 0.015 | .017+ | 75 | .187 | ---- | 6125 | 75857 | + 1925 | .275B | .010 |
| 9737 | ---- | ---- | ---- | 0.005N | .007+ | 25 | .078 | ---- | 2714 | 58451 | + 464 | .205B | .005 |
| 9750 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .027 | ---- | ---- | 33093 | UNCH | .180B | .005A |
| 9762 | ---- | ---- | ---- | ---- | CAB | ---- | .005 | ---- | ---- | 20850 | UNCH | .120B | .002 |
| 9775 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 6995 | UNCH | .075B | .005 |
| 9787 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 33696 | UNCH | .045B | .005 |
| TOTAL | | | | | | | | | 9000 | 332358 | + 1848 | | |
| AUG18 | 1YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| E0 | | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.325N | .365+ | 400 | .948 | ---- | ---- | 125 | UNCH | .595B | .245A |
| 9687 | ---- | ---- | ---- | 0.210N | .247+ | 375 | .878 | ---- | ---- | 200 | UNCH | .475B | .150A |
| 9700 | ---- | ---- | ---- | 0.120N | .147+ | 275 | .708 | ---- | 199 | 8904 | UNCH | .360B | .085A |
| 9712 | ---- | ---- | ---- | 0.062N | .080+ | 175 | .472 | ---- | 3692 | 42350 | + 638 | .275B | .045A |
| 9725 | ---- | ---- | ---- | 0.032N | .045+ | 125 | .286 | ---- | 4402 | 62925 | + 250 | .200B | .025A |
| 9737 | 0.025 | #.025 | .025 | 0.025 | .025+ | 75 | .166 | ---- | 8000 | 72660 | + 1675 | .140B | .015A |
| 9750 | ---- | ---- | ---- | 0.010N | .015+ | 50 | .100 | ---- | 34000 | 123263 | + 26413 | .095B | .010 |
| 9762 | ---- | ---- | ---- | 0.005N | .007+ | 25 | .053 | ---- | ---- | 10115 | UNCH | .060B | .005 |
| 9775 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .034 | ---- | ---- | 4125 | UNCH | .040B | .010A |
| TOTAL | | | | | | | | | 37756 | 324667 | + 28976 | | |
| SEP18 | 1YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| E0 | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.227N | .262+ | 350 | .813 | ---- | ---- | 5600 | UNCH | .610B | .170A |
| 9700 | ---- | ---- | ---- | 0.145N | .172+ | 275 | .658 | ---- | 450 | 30588 | - 350 | .495B | .105A |
| 9712 | ---- | ---- | ---- | 0.087N | .110+ | 225 | .480 | ---- | 5289 | 116202 | + 2841 | .405B | .060A |
| 9725 | ---- | ---- | ---- | 0.052N | .067+ | 150 | .327 | ---- | 3100 | 120520 | + 650 | .485B | .040A |
| 9737 | ---- | ---- | ---- | 0.032N | .042+ | 100 | .217 | ---- | 500 | 210990 | UNCH | .380B | .025A |
| 9750 | ---- | ---- | ---- | 0.020N | .027+ | 75 | .144 | ---- | 4031 | 164288 | + 544 | .470B | .010 |
| 9762 | ---- | ---- | ---- | 0.012N | .017+ | 50 | .093 | ---- | ---- | 70935 | UNCH | .405B | .010 |
| 9775 | ---- | ---- | ---- | 0.007N | .012+ | 50 | .065 | ---- | ---- | 95752 | UNCH | .320B | .010A |
| 9787 | ---- | ---- | ---- | 0.005N | .007+ | 25 | .040 | ---- | ---- | 53819 | UNCH | .305B | .005 |
| 9800 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .027 | ---- | ---- | 73851 | UNCH | .235B | .015A |
| 9812 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .014 | ---- | ---- | 58490 | UNCH | .170B | .002 |
| 9825 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | 32305 | UNCH | .125B | .010A |
| 9837 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 17649 | UNCH | .080B | .002 |
| 9850 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 71721 | UNCH | .045B | .005 |
| 9862 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 27217 | UNCH | .040 | .010 |
| 9875 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 7800 | UNCH | .002 | .002 |
| 9900 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 3500 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 6700 | 1161227 | + 3685 | | |
| OCT18 | 1YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| E0 | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.220N | .255+ | 350 | .718 | ---- | ---- | 1425 | UNCH | .435B | .155A |
| 9700 | ---- | ---- | ---- | 0.150N | .177+ | 275 | .580 | ---- | ---- | 5407 | UNCH | .335B | .100A |
| 9712 | ---- | ---- | ---- | 0.100N | .120+ | 200 | .440 | ---- | ---- | 1441 | UNCH | .255B | .070A |
| 9725 | ---- | ---- | ---- | 0.067N | .082+ | 150 | .322 | ---- | ---- | 16879 | UNCH | .185B | .045A |
| 9737 | ---- | ---- | ---- | 0.045N | .055+ | 100 | .229 | ---- | ---- | 5207 | UNCH | .130B | .025 |
| 9750 | ---- | ---- | ---- | 0.027N | .037+ | 100 | .161 | ---- | 1000 | 1125 | + 1000 | .090B | .020 |
| 9762 | ---- | ---- | ---- | 0.017N | .025+ | 75 | .111 | ---- | 2000 | 46125 | + 1750 | .060B | .010 |
| 9775 | ---- | ---- | ---- | 0.012N | .017+ | 50 | .079 | ---- | ---- | 125 | UNCH | .040B | .015A |
| 9787 | ---- | ---- | ---- | 0.010N | .012+ | 25 | .056 | ---- | ---- | 6100 | UNCH | .030B | .010A |
| 9800 | ---- | ---- | ---- | 0.007N | .010+ | 25 | .044 | ---- | ---- | 6225 | UNCH | .020B | .010 |
| TOTAL | | | | | | | | | 3000 | 90059 | + 2750 | | |
| NOV18 | 1YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| E0 | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.240N | .275+ | 350 | .689 | ---- | ---- | 2500 | UNCH | .445B | .170A |
| 9700 | ---- | ---- | ---- | 0.172N | .200+ | 275 | .569 | ---- | ---- | 11100 | UNCH | .345B | .120A |
| 9712 | ---- | ---- | ---- | 0.120N | .140+ | 200 | .448 | ---- | ---- | 450 | UNCH | .265B | .085A |
| 9725 | ---- | ---- | ---- | 0.085N | .100+ | 150 | .341 | ---- | ---- | 5000 | UNCH | .195B | .055A |
| 9737 | ---- | ---- | ---- | 0.060N | .070+ | 100 | .253 | ---- | ---- | 4500 | UNCH | .140B | .050A |
| 9750 | ---- | ---- | ---- | 0.042N | .050+ | 75 | .187 | ---- | ---- | 40250 | UNCH | .105B | .035A |
| 9762 | ---- | ---- | ---- | 0.030N | .035+ | 50 | .136 | ---- | ---- | 50 | UNCH | .075B | .025A |
| 9825 | ---- | ---- | ---- | 0.005N | .007+ | 25 | .030 | ---- | ---- | 10000 | UNCH | .010B | .015A |
| TOTAL | | | | | | | | | 0 | 73850 | | | |
| DEC18 | 1YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | |
| E0 | | | | | | | | | | | | | |

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## FINAL



1YR MIDCRV CALL
DEC18 1YR MIDCRV CALL (FUTURES SETT. .00)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9675 | ---- | ---- | ---- | 0.332N | .370+ | 375 | .780 | ---- | ---- | 4000 | UNCH | .660B | .245A |
| 9687 | ---- | ---- | ---- | 0.252N | .282+ | 300 | .677 | ---- | ---- | 16147 | UNCH | .575B | .175A |
| 9700 | ---- | ---- | ---- | 0.185N | .212+ | 275 | .564 | ---- | 800 | 84074 + | 104 | .470B | .120A |
| 9712 | ---- | ---- | ---- | 0.135N | .155+ | 200 | .452 | ---- | ---- | 52189 | UNCH | .375B | .080A |
| 9725 | 0.105 | .105 | .105 | 0.105 | .112+ | 150 | .352 | ---- | 5975 | 85969 + | 836 | .355B | .055A |
| 9737 | ---- | ---- | ---- | 0.070N | .082+ | 125 | .270 | ---- | 825 | 68959 + | 570 | .280B | .040A |
| 9750 | ---- | ---- | ---- | 0.050N | .060+ | 100 | .204 | ---- | 4375 | 153983 + | 396 | .305B | .035A |
| 9762 | ---- | ---- | ---- | 0.035N | .042+ | 75 | .151 | ---- | ---- | 31642 | UNCH | .230B | .025A |
| 9775 | ---- | ---- | ---- | 0.025N | .030+ | 50 | .111 | ---- | ---- | 73092 | UNCH | .170B | .015 |
| 9787 | ---- | ---- | ---- | 0.017N | .022+ | 50 | .083 | ---- | ---- | 20187 | UNCH | .125B | .015 |
| 9800 | ---- | ---- | ---- | 0.012N | .017+ | 50 | .065 | ---- | 500 | 39548 - | 250 | .050B | .015A |
| 9812 | ---- | ---- | ---- | 0.010N | .012+ | 25 | .047 | ---- | ---- | 16052 | UNCH | .030B | .010 |
| 9825 | ---- | ---- | ---- | 0.007N | .010+ | 25 | .037 | ---- | 125 | 54863 - | 84 | .020B | .005 |
| 9837 | ---- | ---- | ---- | 0.005N | .007+ | 25 | .028 | ---- | ---- | 23199 | UNCH | .015B | .010A |
| 9850 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .019 | ---- | ---- | 53194 | UNCH | .010 | .005 |
| 9862 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .010 | ---- | ---- | 125 | UNCH | .005B | .005 |
| 9875 | ---- | ---- | ---- | ---- | .002+ | 25 | .006 | ---- | ---- | 200 | UNCH | .005 | .005 |
| 9912 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 125 | UNCH | .002 | .002 |
| TOTAL | | | | | | | | | 2425 | 777548 + | 1572 | | |

MAR19 1YR MIDCRV CALL (FUTURES SETT. .00)
E0

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9675 | ---- | ---- | ---- | 0.370N | .405+ | 350 | .715 | ---- | ---- | 550 | UNCH | .570B | .270A |
| 9687 | ---- | ---- | ---- | 0.292N | .325+ | 325 | .631 | ---- | ---- | 22642 + | 3000 | .475B | .205A |
| 9700 | ---- | ---- | ---- | 0.230N | .257+ | 275 | .543 | ---- | 350 | 43187 + | 100 | .390B | .150A |
| 9712 | ---- | ---- | ---- | 0.180N | .200+ | 200 | .456 | ---- | ---- | 22619 | UNCH | .380B | .110A |
| 9725 | ---- | ---- | ---- | 0.140N | .155+ | 150 | .376 | ---- | ---- | 20421 | UNCH | .330B | .080A |
| 9737 | ---- | ---- | ---- | 0.107N | .120+ | 125 | .305 | ---- | 125 | 11467 + | 125 | .295B | .060A |
| 9750 | ---- | ---- | ---- | 0.082N | .095+ | 125 | .248 | ---- | ---- | 18172 | UNCH | .230B | .065A |
| 9762 | ---- | ---- | ---- | 0.065N | .075+ | 100 | .200 | ---- | ---- | 2450 | UNCH | .175B | .040 |
| 9775 | ---- | ---- | ---- | 0.050N | .057+ | 75 | .159 | ---- | ---- | 15018 | UNCH | .130B | .030 |
| 9787 | ---- | ---- | ---- | 0.037N | .045+ | 75 | .126 | ---- | ---- | 22 | UNCH | .090B | .020A |
| 9825 | ---- | ---- | ---- | 0.017N | .022+ | 50 | .065 | ---- | ---- | 11250 | UNCH | .030B | .010A |
| TOTAL | | | | | | | | | 0 | 167798 + | 3225 | | |

JUN19 1YR MIDCRV CALL (FUTURES SETT. .00)
E0

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9700 | ---- | ---- | ---- | 0.277N | .305+ | 275 | .539 | ---- | ---- | 7750 | UNCH | .415B | .200A |
| 9712 | ---- | ---- | ---- | 0.225N | .245+ | 200 | .466 | ---- | ---- | 3600 | UNCH | .350B | .140A |
| 9725 | ---- | ---- | ---- | 0.182N | .197+ | 150 | .397 | ---- | ---- | 1500 | UNCH | .295B | .120A |
| 9750 | ---- | ---- | ---- | 0.115N | .127+ | 125 | .279 | ---- | ---- | 2750 | UNCH | .190B | .070A |
| 9762 | ---- | ---- | ---- | 0.090N | .102+ | 125 | .231 | ---- | ---- | 3000 | UNCH | .150B | .070A |
| 9775 | ---- | ---- | ---- | 0.072N | .082+ | 100 | .191 | ---- | ---- | 10010 | UNCH | .120B | .050 |
| 9787 | ---- | ---- | ---- | 0.057N | .067+ | 100 | .159 | ---- | ---- | 800 | UNCH | .090B | .055A |
| 9800 | ---- | ---- | ---- | 0.045N | .052+ | 75 | .128 | ---- | ---- | 3000 | UNCH | .070B | .025 |
| 9825 | ---- | ---- | ---- | 0.030N | .035+ | 50 | .087 | ---- | ---- | 250 | UNCH | .025B | .030A |
| 9850 | ---- | ---- | ---- | 0.020N | .022+ | 25 | .057 | ---- | ---- | 250 | UNCH | .015B | .020A |
| 9900 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .021 | ---- | ---- | 2000 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 34910 | | | |

SEP19 1YR MIDCRV CALL (FUTURES SETT. .00)
E0

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9700 | ---- | ---- | ---- | 0.312N | .342+ | 300 | .537 | ---- | ---- | 1300 | UNCH | ---- | ---- |
| 9775 | ---- | ---- | ---- | 0.097N | .110+ | 125 | .220 | ---- | ---- | 750 | UNCH | ---- | ---- |
| 9800 | ---- | ---- | ---- | 0.067N | .075+ | 75 | .156 | ---- | ---- | 2000 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 4050 | | | |

2YR MIDCRV CALL
JUL18 2YR MIDCRV CALL (FUTURES SETT. .00)
E2

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9675 | ---- | ---- | ---- | 0.265N | .322+ | 575 | .968 | ---- | ---- | 500 | UNCH | .510B | .150A |
| 9687 | ---- | ---- | ---- | 0.152N | .202+ | 500 | .904 | ---- | 125 | 21868 | UNCH | .525B | .080A |
| 9700 | ---- | ---- | ---- | 0.067N | .105+ | 375 | .673 | ---- | 12717 | 51059 - | 1000 | .415B | .040A |
| 9712 | ---- | ---- | ---- | 0.025N | .042+ | 175 | .367 | ---- | 3875 | 37897 + | 1118 | .320B | .020A |
| 9725 | ---- | ---- | ---- | 0.010N | .020+ | 100 | .176 | ---- | 14380 | 41008 + | 6575 | .245B | .010A |
| 9737 | ---- | ---- | ---- | 0.005N | .010+ | 50 | .086 | ---- | 10 | 28840 | UNCH | .215B | .005 |
| 9750 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .042 | ---- | 4005 | 7048 + | 2933 | .150B | .005A |
| 9762 | ---- | ---- | ---- | ---- | .002+ | 25 | .020 | ---- | 500 | 34341 | UNCH | .100B | .002 |
| 9775 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | 19768 | UNCH | .065B | .002 |
| 9800 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 250 | UNCH | .025B | .005A |
| 9850 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 125 | UNCH | .002 | .002 |
| TOTAL | | | | | | | | | 14500 | 242704 + | 9626 | | |

AUG18 2YR MIDCRV CALL (FUTURES SETT. .00)
E2

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9675 | ---- | ---- | ---- | 0.280N | .332+ | 525 | .899 | ---- | ---- | 100 | UNCH | .515B | .170A |
| 9687 | ---- | ---- | ---- | 0.180N | .225+ | 450 | .788 | ---- | ---- | 10220 | UNCH | .405B | .100A |
| 9700 | ---- | ---- | ---- | 0.105N | .140+ | 350 | .610 | ---- | 6276 | 30446 - | 540 | .320B | .060A |
| 9712 | ---- | ---- | ---- | 0.057N | .082+ | 250 | .418 | ---- | 2000 | 3852 + | 875 | .240B | .035A |
| 9725 | ---- | ---- | ---- | 0.032N | .047+ | 150 | .266 | ---- | ---- | 28000 | UNCH | .175B | .025A |
| 9737 | ---- | ---- | ---- | 0.017N | .027+ | 100 | .162 | ---- | ---- | 51125 | UNCH | .125B | .015A |
| 9750 | ---- | ---- | ---- | 0.010N | .017+ | 75 | .103 | ---- | ---- | 50100 | UNCH | .085B | .010A |
| 9762 | ---- | ---- | ---- | 0.007N | .010+ | 25 | .061 | ---- | 250 | 6215 | UNCH | .055B | .010A |
| 9775 | ---- | ---- | ---- | 0.005N | .007+ | 25 | .043 | ---- | ---- | 9945 | UNCH | .035B | .010 |
| 9787 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .028 | ---- | ---- | 3000 | UNCH | .025B | .005A |
| TOTAL | | | | | | | | | 0 | 193003 + | 335 | | |

SEP18 2YR MIDCRV CALL (FUTURES SETT. .00)
E2

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9675 | ---- | ---- | ---- | 0.300N | .347+ | 475 | .840 | ---- | ---- | 10125 | UNCH | .525B | .190A |
| 9687 | ---- | ---- | ---- | 0.210N | .250+ | 400 | .727 | ---- | ---- | 13542 | UNCH | .540B | .125A |
| 9700 | ---- | ---- | ---- | 0.137N | .170+ | 325 | .584 | ---- | 10350 | 94491 + | 74 | .440B | .080A |
| 9712 | ---- | ---- | ---- | 0.087N | .112+ | 250 | .437 | ---- | 15550 | 88881 + | 7265 | .560B | .050A |
| 9725 | ---- | ---- | ---- | 0.055N | .072+ | 175 | .309 | ---- | 1000 | 105956 - | 50 | .580B | .030A |
| 9737 | ---- | ---- | ---- | 0.035N | .047+ | 125 | .214 | ---- | 5500 | 202200 + | 1500 | .530B | .020A |
| 9750 | ---- | ---- | ---- | 0.022N | .030+ | 75 | .143 | ---- | 500 | 53521 + | 500 | .440B | .020A |
| 9762 | ---- | ---- | ---- | 0.015N | .020+ | 50 | .097 | ---- | ---- | 25977 | UNCH | .420B | .010 |
| 9775 | ---- | ---- | ---- | 0.010N | .012+ | 25 | .063 | ---- | ---- | 44804 | UNCH | .340B | .005 |
| 9787 | ---- | ---- | ---- | 0.005N | .010+ | 50 | .048 | ---- | ---- | 75136 | UNCH | .270B | .010 |
| 9800 | ---- | ---- | ---- | 0.002N | .007+ | 50 | .035 | ---- | ---- | 22532 | UNCH | .210B | .005 |
| 9812 | ---- | ---- | ---- | ---- | .005+ | 50 | .024 | ---- | ---- | 11618 | UNCH | .160B | .005A |
| 9825 | ---- | ---- | ---- | ---- | .002+ | 25 | .013 | ---- | ---- | 14765 | UNCH | .120B | .005A |
| 9837 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | 15500 | UNCH | .080B | .010A |
| 9850 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | ---- | 1050 | UNCH | .045B | .010A |
| 9862 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | 3950 | UNCH | .030 | .005 |
| 9887 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 300 | UNCH | .002 | .002 |
| 9925 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 300 | UNCH | .002 | .002 |
| TOTAL | | | | | | | | | 13000 | 784648 + | 9289 | | |

OCT18 2YR MIDCRV CALL (FUTURES SETT. .00)
E2

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9687 | ---- | ---- | ---- | 0.227N | .267+ | 400 | .689 | ---- | ---- | 250 | UNCH | .410B | .135A |
| 9700 | ---- | ---- | ---- | 0.160N | .192+ | 325 | .566 | ---- | ---- | 1421 | UNCH | .315B | .090A |
| 9712 | ---- | ---- | ---- | 0.107N | .135+ | 275 | .442 | ---- | ---- | 650 | UNCH | .235B | .060A |
| 9725 | ---- | ---- | ---- | 0.072N | .092+ | 200 | .331 | ---- | ---- | 4350 | UNCH | .170B | .045A |
| 9737 | ---- | ---- | ---- | 0.047N | .062+ | 150 | .240 | ---- | 25 | 2301 | UNCH | .120B | .040A |
| 9750 | ---- | ---- | ---- | 0.032N | .042+ | 100 | .171 | ---- | ---- | 375 | UNCH | .085B | .025A |
| 9762 | ---- | ---- | ---- | 0.022N | .030+ | 75 | .123 | ---- | ---- | 2625 | UNCH | .060B | .020A |
| 9775 | ---- | ---- | ---- | 0.015N | .020+ | 50 | .085 | ---- | ---- | 4100 | UNCH | .040B | .015A |
| TOTAL | | | | | | | | | 0 | 16072 | | | |

NOV18 2YR MIDCRV CALL (FUTURES SETT. .00)
E2

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9687 | ---- | ---- | ---- | 0.252N | .287+ | 350 | .667 | ---- | ---- | 250 | UNCH | .415B | .160A |
| 9737 | ---- | ---- | ---- | 0.065N | .080+ | 150 | .265 | ---- | ---- | 125 | UNCH | .140B | .050A |
| 9825 | ---- | ---- | ---- | 0.005N | .010+ | 50 | .037 | ---- | ---- | 10000 | UNCH | .010B | .010A |
| TOTAL | | | | | | | | | 0 | 10375 | | | |

DEC18 2YR MIDCRV CALL (FUTURES SETT. .00)
E2

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## FINAL



2YR MIDCRV CALL
DEC18 2YR MIDCRV CALL (FUTURES SETT. .00)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9687 | ---- | ---- | ---- | 0.265N | | .302+ | 375 | .652 | ---- | ---- | 35963 | | UNCH | .540B | .165A |
| 9700 | ---- | ---- | ---- | 0.200N | | .232+ | 325 | .553 | ---- | 2150 | 33381 | + | 1527 | .445B | .120A |
| 9712 | ---- | ---- | ---- | 0.147N | | .175+ | 275 | .454 | ---- | ---- | 19436 | | UNCH | .560B | .085A |
| 9725 | ---- | ---- | ---- | 0.107N | | .130+ | 225 | .363 | ---- | 2000 | 72167 | + | 2000 | .465B | .060A |
| 9737 | ---- | ---- | ---- | 0.077N | | .095+ | 175 | .283 | ---- | ---- | 79390 | | UNCH | .380B | .040A |
| 9750 | ---- | ---- | ---- | 0.055N | | .070+ | 150 | .218 | ---- | ---- | 55779 | | UNCH | .305B | .030 |
| 9762 | ---- | ---- | ---- | 0.040N | | .052+ | 125 | .168 | ---- | ---- | 58173 | | UNCH | .235B | .020 |
| 9775 | ---- | ---- | ---- | 0.030N | | .037+ | 75 | .125 | ---- | 3600 | 39985 | + | 3145 | .180B | .025 |
| 9787 | ---- | ---- | ---- | 0.022N | | .027+ | 50 | .094 | ---- | 436 | 75718 | | UNCH | .135B | .010 |
| 9800 | ---- | ---- | ---- | 0.017N | | .020+ | 25 | .070 | ---- | ---- | 122913 | | UNCH | .095B | .010 |
| 9812 | ---- | ---- | ---- | 0.012N | | .015+ | 25 | .053 | ---- | ---- | 4018 | | UNCH | .070B | .010A |
| 9825 | ---- | ---- | ---- | 0.010N | | .012+ | 25 | .043 | ---- | ---- | 54500 | | UNCH | .050B | .010A |
| 9837 | ---- | ---- | ---- | 0.007N | | .010+ | 25 | .034 | ---- | ---- | 21342 | | UNCH | .035B | .010A |
| 9850 | ---- | ---- | ---- | 0.005N | | .007+ | 25 | .026 | ---- | ---- | 3250 | | UNCH | .010 | .005 |
| TOTAL | | | | | | | | | | 6100 | 676015 | + | 6672 | | |
| MAR19 E2 | 2YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.320N | | .352+ | 325 | .630 | ---- | ---- | 6754 | | UNCH | .480B | .205A |
| 9700 | ---- | ---- | ---- | 0.255N | | .285+ | 300 | .549 | ---- | 1000 | 19141 | + | 1000 | .405B | .160A |
| 9712 | ---- | ---- | ---- | 0.200N | | .225+ | 250 | .469 | ---- | 1500 | 28723 | + | 350 | .385B | .120A |
| 9725 | ---- | ---- | ---- | 0.155N | | .177+ | 225 | .393 | ---- | 1550 | 24951 | + | 1216 | .345B | .090A |
| 9737 | ---- | ---- | ---- | 0.120N | | .140+ | 200 | .325 | ---- | ---- | 34650 | | UNCH | .285B | .075A |
| 9750 | ---- | ---- | ---- | 0.092N | | .110+ | 175 | .266 | ---- | 1000 | 47936 | | UNCH | .225B | .045 |
| 9762 | ---- | ---- | ---- | 0.072N | | .085+ | 125 | .215 | ---- | ---- | 15626 | | UNCH | .175B | .040A |
| 9775 | ---- | ---- | ---- | 0.055N | | .065+ | 100 | .171 | ---- | ---- | 10 | | UNCH | .130B | .040A |
| 9800 | ---- | ---- | ---- | 0.032N | | .037+ | 50 | .106 | ---- | ---- | 260 | | UNCH | .070B | .020 |
| 9850 | ---- | ---- | ---- | 0.012N | | .015+ | 25 | .043 | ---- | ---- | 8250 | | UNCH | .020B | .010A |
| TOTAL | | | | | | | | | | 1300 | 186301 | + | 2566 | | |
| JUN19 E2 | 2YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.360N | | .395+ | 350 | .611 | ---- | ---- | 1250 | | UNCH | .390B | .260A |
| 9700 | ---- | ---- | ---- | 0.297N | | .330+ | 325 | .542 | ---- | ---- | 100 | | UNCH | .430B | .200A |
| 9750 | ---- | ---- | ---- | 0.127N | | .145+ | 175 | .294 | ---- | ---- | 10 | | UNCH | .200B | .080A |
| TOTAL | | | | | | | | | | 0 | 1360 | | | | |

3YR MIDCRV CALL
JUL18 E3 3YR MIDCRV CALL (FUTURES SETT. .00)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9675 | ---- | ---- | ---- | 0.272N | | .327+ | 550 | .969 | ---- | ---- | 450 | | UNCH | .585B | .135A |
| 9687 | ---- | ---- | ---- | 0.157N | | .207+ | 500 | .905 | ---- | ---- | 9647 | | UNCH | .480B | .070A |
| 9700 | ---- | ---- | ---- | 0.070N | | .107+ | 375 | .687 | ---- | 1625 | 30416 | - | 250 | .375B | .035A |
| 9712 | ---- | ---- | ---- | 0.027N | | .042+ | 150 | .375 | ---- | 1750 | 19375 | - | 454 | .285B | .020 |
| 9725 | ---- | ---- | ---- | 0.010N | | .017+ | 75 | .167 | ---- | 541 | 41275 | | UNCH | .240B | .010A |
| 9737 | ---- | ---- | ---- | 0.005N | | .007+ | 25 | .072 | ---- | 100 | 5647 | | UNCH | .175B | .005A |
| 9750 | ---- | ---- | ---- | 0.002N | | .002 | UNCH | .025 | ---- | 10625 | 31857 | + | 1565 | .120B | .005 |
| 9762 | ---- | ---- | ---- | ---- | CAB | | ---- | .005 | ---- | ---- | 7397 | | UNCH | .080B | .002 |
| 9787 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 1125 | | UNCH | .025B | .002 |
| TOTAL | | | | | | | | | | 9850 | 147189 | + | 861 | | |
| AUG18 E3 | 3YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.285N | | .337+ | 525 | .900 | ---- | ---- | 100 | | UNCH | .480B | .155A |
| 9687 | ---- | ---- | ---- | 0.185N | | .230+ | 450 | .791 | ---- | ---- | 5102 | | UNCH | .380B | .095A |
| 9700 | ---- | ---- | ---- | 0.107N | | .142+ | 350 | .618 | ---- | 50 | 10965 | - | 50 | .290B | .055A |
| 9712 | ---- | ---- | ---- | 0.057N | | .080+ | 225 | .422 | ---- | 750 | 10475 | + | 750 | .215B | .030A |
| 9725 | ---- | ---- | ---- | 0.030N | | .045+ | 150 | .263 | ---- | ---- | 1126 | | UNCH | .155B | .020A |
| 9737 | ---- | ---- | ---- | 0.017N | | .025+ | 75 | .156 | ---- | ---- | 6770 | | UNCH | .105B | .010A |
| 9750 | ---- | ---- | ---- | 0.010N | | .012+ | 25 | .084 | ---- | 250 | 1000 | | UNCH | .070B | .010A |
| 9762 | ---- | ---- | ---- | 0.005N | | .007+ | 25 | .050 | ---- | ---- | 625 | | UNCH | .045B | .010A |
| 9787 | ---- | ---- | ---- | ---- | | .002+ | 25 | .017 | ---- | ---- | 1000 | | UNCH | .020B | .005A |
| TOTAL | | | | | | | | | | 750 | 37163 | + | 700 | | |
| SEP18 E3 | 3YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9637 | ---- | ---- | ---- | 0.645N | | .700+ | 550 | .980 | ---- | ---- | 5500 | | UNCH | .830B | .455A |
| 9650 | ---- | ---- | ---- | 0.525N | | .580+ | 550 | .950 | ---- | ---- | 5500 | | UNCH | .715B | .350A |
| 9675 | ---- | ---- | ---- | 0.305N | | .352+ | 475 | .841 | ---- | ---- | 2500 | | UNCH | .605B | .180A |
| 9687 | ---- | ---- | ---- | 0.212N | | .255+ | 425 | .729 | ---- | ---- | 9822 | | UNCH | .505B | .115A |
| 9700 | ---- | ---- | ---- | 0.140N | | .172+ | 325 | .591 | ---- | 1625 | 28058 | + | 500 | .620B | .075A |
| 9712 | ---- | ---- | ---- | 0.087N | | .112+ | 250 | .442 | ---- | ---- | 30059 | | UNCH | .515B | .050A |
| 9725 | ---- | ---- | ---- | 0.052N | | .072+ | 200 | .312 | ---- | 2250 | 30571 | + | 251 | .420B | .030A |
| 9737 | ---- | ---- | ---- | 0.032N | | .045+ | 125 | .210 | ---- | ---- | 51551 | | UNCH | .400B | .020A |
| 9750 | ---- | ---- | ---- | 0.020N | | .027+ | 75 | .137 | ---- | 196 | 27287 | | UNCH | .425B | .020A |
| 9762 | ---- | ---- | ---- | 0.012N | | .017+ | 50 | .090 | ---- | ---- | 48170 | | UNCH | .350B | .015A |
| 9775 | ---- | ---- | ---- | 0.007N | | .012+ | 50 | .063 | ---- | ---- | 15955 | | UNCH | .280B | .010A |
| 9787 | ---- | ---- | ---- | 0.005N | | .007+ | 25 | .039 | ---- | ---- | 26155 | | UNCH | .220B | .010A |
| 9800 | ---- | ---- | ---- | 0.002N | | .005+ | 25 | .026 | ---- | ---- | 4100 | | UNCH | .165B | .015A |
| 9812 | ---- | ---- | ---- | ---- | | .002+ | 25 | .014 | ---- | ---- | 550 | | UNCH | .125B | .005A |
| 9825 | ---- | ---- | ---- | ---- | CAB | | ---- | .007 | ---- | ---- | 351 | | UNCH | .095B | .010 |
| 9862 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 300 | | UNCH | .025B | .010 |
| 9887 | ---- | ---- | ---- | ---- | CAB | | ---- | .000 | ---- | ---- | 100 | | UNCH | .002 | .002 |
| 9925 | ---- | ---- | ---- | ---- | CAB | | ---- | ---- | ---- | ---- | 300 | | UNCH | .005B | .005 |
| TOTAL | | | | | | | | | | 0 | 286829 | + | 751 | | |
| OCT18 E3 | 3YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.315N | | .357+ | 425 | .794 | ---- | ---- | 2600 | | UNCH | .455B | .195A |
| 9687 | ---- | ---- | ---- | 0.230N | | .267+ | 375 | .689 | ---- | ---- | 500 | | UNCH | .355B | .135A |
| 9725 | ---- | ---- | ---- | 0.072N | | .087+ | 150 | .325 | ---- | ---- | 1500 | | UNCH | .145B | .040A |
| 9737 | ---- | ---- | ---- | 0.047N | | .057+ | 100 | .232 | ---- | ---- | 500 | | UNCH | .100B | .025A |
| 9750 | ---- | ---- | ---- | 0.030N | | .037+ | 75 | .160 | ---- | ---- | 1900 | | UNCH | .070B | .025A |
| 9762 | ---- | ---- | ---- | 0.020N | | .025+ | 50 | .111 | ---- | ---- | 250 | | UNCH | .050B | .020A |
| TOTAL | | | | | | | | | | 0 | 7250 | | | | |
| NOV18 E3 | 3YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.252N | | .287+ | 350 | .667 | ---- | ---- | 250 | | UNCH | .375B | .160A |
| 9725 | ---- | ---- | ---- | 0.090N | | .107+ | 175 | .345 | ---- | ---- | 5000 | | UNCH | .165B | .055A |
| 9737 | ---- | ---- | ---- | 0.062N | | .075+ | 125 | .259 | ---- | ---- | 4000 | | UNCH | .120B | .040A |
| TOTAL | | | | | | | | | | 0 | 9250 | | | | |
| DEC18 E3 | 3YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9625 | ---- | ---- | ---- | 0.767N | | .820+ | 525 | .951 | ---- | 200 | 14900 | + | 200 | .945B | .575A |
| 9637 | ---- | ---- | ---- | 0.650N | | .702+ | 525 | .921 | ---- | 200 | 14900 | + | 200 | .830B | .475A |
| 9662 | ---- | ---- | ---- | 0.437N | | .485+ | 475 | .820 | ---- | ---- | 4000 | | UNCH | .720B | .300A |
| 9675 | ---- | ---- | ---- | 0.345N | | .387+ | 425 | .743 | ---- | ---- | 18175 | | UNCH | .615B | .220A |
| 9687 | ---- | ---- | ---- | 0.267N | | .300+ | 325 | .654 | ---- | ---- | 32794 | | UNCH | .520B | .165A |
| 9700 | ---- | ---- | ---- | 0.200N | | .230+ | 300 | .553 | ---- | 2825 | 31234 | + | 2025 | .425B | .115A |
| 9712 | ---- | ---- | ---- | 0.147N | | .170+ | 225 | .452 | ---- | 125 | 68384 | - | 125 | .365B | .080A |
| 9725 | ---- | ---- | ---- | 0.105N | | .125+ | 200 | .359 | ---- | 500 | 48681 | + | 500 | .295B | .055A |
| 9737 | ---- | ---- | ---- | 0.075N | | .092+ | 175 | .280 | ---- | 700 | 34139 | + | 73 | .355B | .040A |
| 9750 | ---- | ---- | ---- | 0.052N | | .067+ | 150 | .215 | ---- | 200 | 61400 | + | 200 | .280B | .030A |
| 9762 | ---- | ---- | ---- | 0.037N | | .047+ | 100 | .160 | ---- | ---- | 30125 | | UNCH | .220B | .025 |
| 9775 | ---- | ---- | ---- | 0.027N | | .032+ | 50 | .115 | ---- | ---- | 9272 | | UNCH | .170B | .015 |
| 9787 | ---- | ---- | ---- | 0.020N | | .022+ | 25 | .083 | ---- | ---- | 7300 | | UNCH | .125B | .015 |
| 9800 | ---- | ---- | ---- | 0.015N | | .017+ | 25 | .064 | ---- | ---- | 11327 | | UNCH | .090 | .015A |
| 9812 | ---- | ---- | ---- | 0.010N | | .012+ | 25 | .047 | ---- | ---- | 5120 | | UNCH | .055B | .015A |
| 9825 | ---- | ---- | ---- | 0.007N | | .010+ | 25 | .037 | ---- | ---- | 125 | | UNCH | .045B | .005 |
| 9875 | ---- | ---- | ---- | ---- | | .002+ | 25 | .006 | ---- | ---- | 305 | | UNCH | .005B | .002 |
| TOTAL | | | | | | | | | | 3200 | 392181 | + | 3073 | | |
| MAR19 E3 | 3YR MIDCRV CALL | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.390N | | .430+ | 400 | .698 | ---- | ---- | 1850 | | UNCH | .570B | .265A |
| 9687 | ---- | ---- | ---- | 0.312N | | .347+ | 350 | .623 | ---- | ---- | 21328 | | UNCH | .485B | .205A |
| 9700 | ---- | ---- | ---- | 0.247N | | .277+ | 300 | .543 | ---- | 850 | 14027 | + | 850 | .430B | .155A |
| 9712 | ---- | ---- | ---- | 0.192N | | .217+ | 250 | .462 | ---- | 100 | 2000 | | UNCH | .385B | .115A |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3YR MIDCRV CALL | | | | | | | | | | | | | | |
| | 3YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 9725 | ---- | ---- | ---- | 0.150N | .170+ | 200 | .385 | ---- | ---- | 4100 | UNCH | .315B | .085A | |
| 9737 | ---- | ---- | ---- | 0.115N | .130+ | 150 | .315 | ---- | ---- | 2550 | UNCH | .255B | .060A | |
| 9750 | ---- | ---- | ---- | 0.087N | .100+ | 125 | .254 | ---- | ---- | 14440 | UNCH | .200B | .050A | |
| 9762 | ---- | ---- | ---- | 0.065N | .075+ | 100 | .201 | ---- | 2500 | 13250 + | 500 | .160B | .035A | |
| 9775 | ---- | ---- | ---- | 0.050N | .057+ | 75 | .159 | ---- | ---- | 7350 | UNCH | .120B | .025A | |
| 9800 | ---- | ---- | ---- | 0.027N | .032+ | 50 | .096 | ---- | ---- | 2000 | UNCH | .065B | .025A | |
| TOTAL | | | | | | | | | 3350 | 82895 + | 1350 | | | |
| JUN19 | 3YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E3 | | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.350N | .382+ | 325 | .604 | ---- | ---- | 6690 | UNCH | .380B | .305A | |
| 9700 | ---- | ---- | ---- | 0.285N | .315+ | 300 | .535 | ---- | ---- | 3602 | UNCH | .310B | .250A | |
| 9775 | ---- | ---- | ---- | 0.070N | .080+ | 100 | .188 | ---- | ---- | 23030 | UNCH | .075B | .060A | |
| TOTAL | | | | | | | | | 0 | 33322 | | | | |
| 4YR MIDCRV CALL | | | | | | | | | | | | | | |
| JUL18 | 4YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E4 | | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.140N | .190+ | 500 | .880 | ---- | ---- | 9400 | UNCH | .355B | .075A | |
| 9700 | ---- | ---- | ---- | 0.057N | .090+ | 325 | .650 | ---- | 173 | 638 + | 173 | .290B | .035 | |
| TOTAL | | | | | | | | | 0 | 10038 + | 173 | | | |
| AUG18 | 4YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E4 | | | | | | | | | | | | | | |
| 9737 | ---- | ---- | ---- | 0.015N | .020+ | 50 | .133 | ---- | ---- | 475 | UNCH | .090B | .015A | |
| TOTAL | | | | | | | | | 0 | 475 | | | | |
| SEP18 | 4YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E4 | | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.200N | .240+ | 400 | .710 | ---- | ---- | 3550 | UNCH | .385B | .120A | |
| 9700 | ---- | ---- | ---- | 0.127N | .160+ | 325 | .567 | ---- | ---- | 800 | UNCH | .650B | .065A | |
| 9712 | ---- | ---- | ---- | 0.077N | .100+ | 225 | .416 | ---- | ---- | 900 | UNCH | .555B | .045A | |
| 9725 | ---- | ---- | ---- | 0.045N | .062+ | 175 | .286 | ---- | ---- | 100 | UNCH | .460B | .030A | |
| 9750 | ---- | ---- | ---- | 0.017N | .027+ | 100 | .133 | ---- | ---- | 13900 | UNCH | .315B | .020A | |
| 9762 | ---- | ---- | ---- | 0.010N | .017+ | 75 | .088 | ---- | ---- | 229 | UNCH | .250B | .015A | |
| 9800 | ---- | ---- | ---- | ---- | .005+ | 50 | .026 | ---- | ---- | 16000 | UNCH | .100B | .020A | |
| TOTAL | | | | | | | | | 0 | 35479 | | | | |
| DEC18 | 4YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E4 | | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.247N | .280+ | 325 | .633 | ---- | ---- | 500 | UNCH | .410B | .170A | |
| 9700 | ---- | ---- | ---- | 0.182N | .210+ | 275 | .530 | ---- | 3850 | 14200 + | 2250 | .395B | .105A | |
| 9712 | ---- | ---- | ---- | 0.132N | .155+ | 225 | .428 | ---- | ---- | 13000 | UNCH | .470B | .080A | |
| 9737 | ---- | ---- | ---- | 0.067N | .080+ | 125 | .256 | ---- | ---- | 10050 | UNCH | .310B | .040A | |
| 9762 | ---- | ---- | ---- | 0.032N | .042+ | 100 | .146 | ---- | ---- | 11050 | UNCH | .190B | .030A | |
| 9800 | ---- | ---- | ---- | 0.012N | .017+ | 50 | .063 | ---- | ---- | 50 | UNCH | .035B | .015A | |
| TOTAL | | | | | | | | | 3350 | 48850 + | 2250 | | | |
| MAR19 | 4YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E4 | | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.290N | .322+ | 325 | .603 | ---- | ---- | 950 | UNCH | .430B | .190A | |
| 9700 | ---- | ---- | ---- | 0.225N | .255+ | 300 | .521 | ---- | ---- | 100 | UNCH | .355B | .145A | |
| 9725 | ---- | ---- | ---- | 0.130N | .155+ | 250 | .363 | ---- | ---- | 800 | UNCH | .225B | .090A | |
| 9737 | ---- | ---- | ---- | 0.097N | .120+ | 225 | .296 | ---- | ---- | 500 | UNCH | .175B | .065A | |
| 9750 | ---- | ---- | ---- | 0.072N | .092+ | 200 | .238 | ---- | ---- | 300 | UNCH | .135B | .045A | |
| 9762 | ---- | ---- | ---- | 0.055N | .070+ | 150 | .189 | ---- | ---- | 400 | UNCH | .105B | .050A | |
| 9775 | ---- | ---- | ---- | 0.042N | .052+ | 100 | .148 | ---- | ---- | 500 | UNCH | .050B | .040A | |
| TOTAL | | | | | | | | | 0 | 3550 | | | | |
| JUN19 | 4YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E4 | | | | | | | | | | | | | | |
| 9737 | ---- | ---- | ---- | 0.130N | .152+ | 225 | .317 | ---- | ---- | 500 | UNCH | .135B | .120A | |
| TOTAL | | | | | | | | | 0 | 500 | | | | |
| 5YR MIDCRV CALL | | | | | | | | | | | | | | |
| DEC18 | 5YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E5 | | | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | 0.037N | .047+ | 100 | .167 | ---- | ---- | 1600 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 1600 | | | | |
| TE2 OPT | | | | | | | | | | | | | | |
| AUG18 | TE2 OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| TE2 | | | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | 0.012N | .015+ | 25 | .184 | ---- | ---- | 1650 | UNCH | ---- | ---- | |
| 9762 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .064 | ---- | ---- | 1650 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 3300 | | | | |
| TE3 OPT | | | | | | | | | | | | | | |
| SEP18 | TE3 OPT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| TE3 | | | | | | | | | | | | | | |
| 9725 | ---- | ---- | ---- | 0.080N | .095+ | 150 | .509 | ---- | ---- | 7251 | UNCH | ---- | ---- | |
| TOTAL | | | | | | | | | 0 | 7251 | | | | |

ADDITIONAL EURODOLLAR PRODUCTS CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5YR MIDCRV CALL | | | | | | | | | | | | |
| DEC18 | 5YR MIDCRV CALL | (FUTURES SETT. | .00) | | | | | | | | | |
| E5 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | .0375N | .0475+ | 0.0100 | .167 | ---- | ---- | 1600 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1600 | | |

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# MIDCURVE, BUNDLE, CALENDAR SPREAD EURODOLLAR AND TOMMI MIDCURVE PUT OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/4 TICK VALUE = $6.25 PRODCUT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

1, 2, 3 & 4 YEAR MIDCURVE EURO DOLLAR PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | RTH VOLUME | GLOBEX VOLUME | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1YR MIDCRV PUT | | | | | | | | | | | | | | |
| JUL18 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E0 | | | | | | | | | | | | | | |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 5250 | UNCH | ---- | ---- |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 500 | UNCH | .005 | .005 |
| 9662 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 19544 | UNCH | .005 | .002 |
| 9675 | ---- | ---- | ---- | ---- | CAB | ---- | .003 | ---- | 1000 | ---- | 18783 | UNCH | .020B | .005A |
| 9687 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .039 | ---- | ---- | 600 | 92243 | + 163 | .050B | .005 |
| 9700 | ---- | ---- | ---- | 0.020N | .015- | 50 | .195 | ---- | 7000 | 18812 | 92952 | - 8382 | .095B | .015A |
| 9712 | ---- | ---- | ---- | 0.085N | .062- | 225 | .544 | ---- | 6000 | 1599 | 43020 | + 478 | .185B | .035A |
| 9725 | ---- | ---- | ---- | 0.190N | .157- | 325 | .812 | ---- | 1000 | ---- | 29008 | - 500 | .295B | .030 |
| 9737 | ---- | ---- | ---- | 0.310N | .272- | 375 | .921 | ---- | ---- | ---- | 3957 | UNCH | .415B | .090A |
| 9762 | ---- | ---- | ---- | 0.555N | .515- | 400 | .994 | ---- | ---- | ---- | 250 | UNCH | .650B | .205A |
| TOTAL | | | | | | | | | 15000 | 21011 | 305507 | - 8241 | | |
| AUG18 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E0 | | | | | | | | | | | | | | |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | ---- | 4025 | UNCH | .002 | .002 |
| 9662 | ---- | ---- | ---- | ---- | .002+ | 25 | .024 | ---- | ---- | ---- | 10211 | UNCH | .015B | .005A |
| 9675 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .051 | ---- | ---- | ---- | 33680 | UNCH | .035B | .005A |
| 9687 | ---- | ---- | ---- | 0.015N | .012- | 25 | .121 | ---- | 100 | ---- | 43735 | - 81 | .060B | .015A |
| 9700 | ---- | ---- | ---- | 0.050N | .037- | 125 | .291 | ---- | ---- | ---- | 61624 | UNCH | .115B | .025A |
| 9712 | ---- | ---- | ---- | 0.117N | .095- | 225 | .527 | ---- | 1500 | 1865 | 28111 | + 135 | .200B | .050A |
| 9725 | ---- | ---- | ---- | 0.212N | .185- | 275 | .713 | ---- | ---- | ---- | 4970 | UNCH | .305B | .090A |
| TOTAL | | | | | | | | | 1600 | 22876 | 186356 | + 54 | | |
| SEP18 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E0 | | | | | | | | | | | | | | |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 125 | UNCH | .002 | .002 |
| 9625 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | ---- | 100 | UNCH | .005B | .005 |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | ---- | 625 | UNCH | .005B | .002A |
| 9650 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .021 | ---- | ---- | ---- | 19163 | UNCH | .015B | .002 |
| 9662 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .042 | ---- | ---- | ---- | 53430 | UNCH | .025B | .005 |
| 9675 | ---- | ---- | ---- | 0.012N | .010- | 25 | .082 | ---- | 5000 | 2500 | 219814 | - 220 | .045 | .010A |
| 9687 | 0.030 | .030 | *.030 | 0.030 | .027- | 50 | .186 | ---- | 5000 | 2516 | 253225 | + 4164 | .080B | .010A |
| 9700 | ---- | ---- | ---- | 0.075N | .062- | 125 | .341 | ---- | 750 | 5423 | 289495 | + 150 | .130B | .010A |
| 9712 | ---- | ---- | ---- | 0.142N | .125- | 175 | .519 | ---- | 4950 | 1829 | 418406 | - 66 | .215B | .015A |
| 9725 | ---- | ---- | ---- | 0.232N | .207- | 250 | .672 | ---- | 250 | 1458 | 109165 | - 162 | .315B | .025A |
| 9737 | ---- | ---- | ---- | 0.337N | .307- | 300 | .782 | ---- | ---- | ---- | 25795 | UNCH | .425B | .040A |
| 9750 | ---- | ---- | ---- | 0.447N | .417- | 300 | .855 | ---- | ---- | ---- | 114324 | UNCH | .545B | .060A |
| 9762 | ---- | ---- | ---- | 0.565N | .530- | 350 | .906 | ---- | ---- | ---- | 18278 | UNCH | .665B | .085A |
| 9775 | ---- | ---- | ---- | 0.685N | .650- | 350 | .934 | ---- | ---- | ---- | 89948 | UNCH | .785B | .110A |
| 9787 | ---- | ---- | ---- | 0.807N | .770- | 375 | .959 | ---- | ---- | ---- | 20428 | UNCH | .910B | .140A |
| 9800 | ---- | ---- | ---- | 0.930N | .892- | 375 | .972 | ---- | ---- | ---- | 54289 | UNCH | 1.035B | .185A |
| 9812 | ---- | ---- | ---- | 1.055N | 1.015- | 400 | .985 | ---- | ---- | ---- | 448 | UNCH | 1.160B | .245A |
| 9825 | ---- | ---- | ---- | 1.180N | 1.140- | 400 | .992 | ---- | ---- | ---- | 182 | UNCH | 1.275B | .450A |
| TOTAL | | | | | | | | | 15950 | 36602 | 1687240 | + 3866 | | |
| OCT18 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E0 | | | | | | | | | | | | | | |
| 9625 | ---- | ---- | ---- | ---- | .002+ | 25 | .017 | ---- | ---- | ---- | 2500 | UNCH | .002 | .002 |
| 9637 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .032 | ---- | ---- | ---- | 14143 | UNCH | .005B | ---- |
| 9650 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .050 | ---- | ---- | ---- | 18780 | UNCH | .015B | .010A |
| 9662 | ---- | ---- | ---- | 0.015N | .015 | UNCH | .093 | ---- | ---- | ---- | 21331 | UNCH | .035B | .015A |
| 9675 | ---- | ---- | ---- | 0.035N | .030- | 50 | .167 | ---- | ---- | ---- | 48400 | UNCH | .070B | .030A |
| 9687 | ---- | ---- | ---- | 0.070N | .060- | 100 | .281 | ---- | ---- | 575 | 16286 | UNCH | .120B | .045A |
| 9700 | ---- | ---- | ---- | 0.125N | .107- | 175 | .419 | ---- | ---- | ---- | 15260 | UNCH | .190B | .070A |
| 9712 | ---- | ---- | ---- | 0.200N | .175- | 250 | .559 | ---- | ---- | ---- | 425 | UNCH | .280B | .110A |
| TOTAL | | | | | | | | | 0 | 37177 | 137125 | | | |
| NOV18 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E0 | | | | | | | | | | | | | | |
| 9637 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .043 | ---- | ---- | ---- | 5000 | UNCH | .010B | .010A |
| 9650 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .071 | ---- | ---- | ---- | 2500 | UNCH | .020B | .015A |
| 9662 | ---- | ---- | ---- | 0.025N | .022- | 25 | .119 | ---- | ---- | ---- | 10093 | UNCH | .050B | .020A |
| 9675 | ---- | ---- | ---- | 0.050N | .045- | 50 | .204 | ---- | ---- | ---- | 11718 | UNCH | .090B | .040A |
| 9687 | ---- | ---- | ---- | 0.090N | .080- | 100 | .310 | ---- | ---- | 500 | 9968 | UNCH | .140B | .060A |
| 9700 | ---- | ---- | ---- | 0.147N | .130- | 175 | .430 | ---- | ---- | 250 | 8500 | - 100 | .210B | .090A |
| 9712 | ---- | ---- | ---- | 0.220N | .195- | 250 | .551 | ---- | ---- | ---- | 450 | UNCH | .295B | .130A |
| TOTAL | | | | | | | | | 0 | 37927 | 48229 | - 100 | | |
| DEC18 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| E0 | | | | | | | | | | | | | | |
| 9562 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 600 | UNCH | .002 | .002 |
| 9625 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .029 | ---- | ---- | ---- | 13198 | UNCH | .015B | .005 |

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# MIDCURVE, BUNDLE, CALENDAR SPREAD EURODOLLAR AND TOMMI MIDCURVE PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



1YR MIDCRV PUT

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | | |
| 9637 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .044 | ---- | ---- | 1000 | 42525 | UNCH | .025 | .010A |
| 9650 | ---- | ---- | ---- | 0.015N | .015 | UNCH | .080 | ---- | ---- | ---- | 104602 | UNCH | .035B | .015A |
| 9662 | ---- | ---- | ---- | 0.032N | .030- | 25 | .140 | ---- | 1250 | 3450 | 172977 | - 1448 | .070B | .025A |
| 9675 | ---- | ---- | ---- | 0.060N | .052- | 75 | .219 | ---- | 250 | 1875 | 263780 | + 25 | .105B | .040A |
| 9687 | ---- | ---- | ---- | 0.102N | .090- | 125 | .322 | ---- | 1000 | 2730 | 213211 | - 455 | .155 | .035A |
| 9700 | ---- | ---- | ---- | 0.160N | .142- | 175 | .435 | ---- | 600 | 5760 | 311855 | - 1116 | .225B | .050 |
| 9712 | ---- | ---- | ---- | 0.235N | .210- | 250 | .547 | ---- | ---- | 2280 | 153328 | - 165 | .310B | .050A |
| 9725 | ---- | ---- | ---- | 0.320N | .290- | 300 | .647 | ---- | ---- | ---- | 88243 | UNCH | .405B | .075A |
| 9737 | ---- | ---- | ---- | 0.417N | .385- | 325 | .729 | ---- | ---- | ---- | 88721 | UNCH | .505B | .105A |
| 9750 | ---- | ---- | ---- | 0.522N | .487- | 350 | .795 | ---- | ---- | ---- | 40888 | UNCH | .620B | .145A |
| 9762 | ---- | ---- | ---- | 0.630N | .595- | 350 | .848 | ---- | ---- | ---- | 8600 | UNCH | .735B | .195A |
| 9812 | ---- | ---- | ---- | 1.105N | 1.062- | 425 | .952 | ---- | ---- | ---- | 22110 | UNCH | 1.230B | .840A |
| TOTAL | | | | | | | | | 3100 | 55022 | 1524638 | - 3159 | | |
| MAR19 E0 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 9612 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .035 | ---- | ---- | ---- | 1000 | UNCH | .015B | .010A |
| 9625 | ---- | ---- | ---- | 0.015N | .015 | UNCH | .063 | ---- | ---- | ---- | 4625 | UNCH | .030B | .015A |
| 9637 | 0.025 | #.025 | *.025 | 0.025 | .025- | 25 | .098 | ---- | 750 | ---- | 10484 | + 500 | .060B | .025A |
| 9650 | ---- | ---- | ---- | 0.045N | .040- | 50 | .145 | ---- | ---- | ---- | 37319 | UNCH | .085B | .035A |
| 9662 | ---- | ---- | ---- | 0.070N | .062- | 75 | .206 | ---- | 1000 | 125 | 27075 | + 625 | .115B | .055A |
| 9675 | ---- | ---- | ---- | 0.107N | .097- | 100 | .284 | ---- | ---- | ---- | 100446 | UNCH | .155B | .045A |
| 9687 | ---- | ---- | ---- | 0.155N | .142- | 125 | .368 | ---- | 500 | ---- | 131809 | + 500 | .215B | .065A |
| 9700 | 0.200 | #.200 | .200 | 0.200 | .197- | 175 | .456 | ---- | 250 | 350 | 65832 | - 50 | .285B | .090A |
| 9712 | ---- | ---- | ---- | 0.290N | .265- | 250 | .543 | ---- | ---- | ---- | 25758 | UNCH | .365B | .120A |
| 9725 | ---- | ---- | ---- | 0.372N | .342- | 300 | .623 | ---- | ---- | ---- | 45033 | UNCH | .460B | .165A |
| 9737 | ---- | ---- | ---- | 0.462N | .432- | 300 | .694 | ---- | ---- | ---- | 2014 | UNCH | .560B | .215A |
| TOTAL | | | | | | | | | 2500 | 55497 | 451395 | + 1575 | | |
| JUN19 E0 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 9612 | ---- | ---- | ---- | 0.022N | .020- | 25 | .069 | ---- | ---- | ---- | 10 | UNCH | ---- | .030A |
| 9637 | ---- | ---- | ---- | 0.052N | .045- | 75 | .137 | ---- | ---- | ---- | 10 | UNCH | .070B | .045A |
| 9650 | ---- | ---- | ---- | 0.077N | .067- | 100 | .189 | ---- | ---- | ---- | 5000 | UNCH | .110B | .065A |
| 9662 | ---- | ---- | ---- | 0.110N | .097- | 125 | .248 | ---- | ---- | ---- | 1000 | UNCH | .150B | .085A |
| 9675 | ---- | ---- | ---- | 0.152N | .135- | 175 | .314 | ---- | ---- | ---- | 14895 | UNCH | .200B | .115A |
| 9687 | ---- | ---- | ---- | 0.202N | .182- | 200 | .386 | ---- | ---- | ---- | 200 | UNCH | .260B | .155A |
| 9700 | ---- | ---- | ---- | 0.262N | .240- | 225 | .460 | ---- | ---- | ---- | 6550 | UNCH | .330B | .205A |
| 9712 | ---- | ---- | ---- | 0.332N | .305- | 275 | .533 | ---- | ---- | ---- | 3000 | UNCH | .410B | .255A |
| TOTAL | | | | | | | | | 0 | 55497 | 30665 | | | |
| SEP19 E0 | 1YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 9700 | ---- | ---- | ---- | 0.297N | .275- | 225 | .462 | ---- | ---- | ---- | 300 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 55497 | 300 | | | |

2YR MIDCRV PUT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 300 | UNCH | ---- | ---- |
| 9625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 500 | UNCH | .010B | .005 |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 2100 | UNCH | .015B | .005A |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 14550 | UNCH | .025B | .002 |
| 9662 | ---- | ---- | ---- | ---- | CAB | ---- | .004 | ---- | ---- | 999 | 15226 | + 511 | .045B | .005A |
| 9675 | ---- | ---- | ---- | ---- | .002+ | 25 | .031 | ---- | 2500 | 3871 | 33773 | - 129 | .075B | .002A |
| 9687 | 0.010 | .010 | *.010 | 0.010 | .007- | 50 | .095 | ---- | 7250 | 28793 | 59176 | + 3305 | .125B | .005 |
| 9700 | ---- | ---- | ---- | 0.052N | .035- | 175 | .326 | ---- | 3000 | 5886 | 28867 | + 487 | .210B | .035A |
| 9712 | ---- | ---- | ---- | 0.135N | .097- | 375 | .632 | ---- | 2000 | ---- | 10083 | - 743 | .315B | .075A |
| 9725 | ---- | ---- | ---- | 0.245N | .200- | 450 | .823 | ---- | ---- | ---- | 9123 | UNCH | .425B | .120A |
| TOTAL | | | | | | | | | 14750 | 95046 | 173698 | + 3431 | | |
| AUG18 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 9650 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .022 | ---- | ---- | 250 | 58415 | UNCH | .035B | .005A |
| 9662 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .044 | ---- | ---- | 4500 | 28410 | + 1335 | .060B | .010A |
| 9675 | ---- | ---- | ---- | 0.015N | .012- | 25 | .100 | ---- | ---- | 375 | 75349 | UNCH | .090B | .015 |
| 9687 | ---- | ---- | ---- | 0.040N | .030- | 100 | .211 | ---- | 2000 | 2250 | 22453 | - 2846 | .145B | .035A |
| 9700 | ---- | ---- | ---- | 0.090N | .070- | 200 | .389 | ---- | ---- | 6276 | 24562 | - 1201 | .230B | .060A |
| 9712 | ---- | ---- | ---- | 0.167N | .137- | 300 | .581 | ---- | ---- | 2000 | 2150 | + 1900 | .320B | .100A |
| TOTAL | | | | | | | | | 2000 | 110697 | 211339 | - 812 | | |
| SEP18 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | |
| 9600 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | ---- | 743 | UNCH | .010B | .002 |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | ---- | 8425 | UNCH | .015B | .002A |
| 9625 | ---- | ---- | ---- | ---- | .002+ | 25 | .017 | ---- | ---- | ---- | 91094 | UNCH | .025 | .005 |
| 9637 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .032 | ---- | ---- | ---- | 58026 | UNCH | .030B | .010A |
| 9650 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .049 | ---- | ---- | ---- | 76203 | UNCH | .050B | .010A |
| 9662 | ---- | ---- | ---- | 0.015N | .012- | 25 | .082 | ---- | ---- | ---- | 76500 | UNCH | .080B | .020A |

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



2YR MIDCRV PUT

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.035N | .027- | 75 | .159 | ---- | ---- | 500 | 164183 | + | 500 | .115B | .015 | |
| 9687 | ---- | ---- | ---- | 0.070N | .055- | 150 | .272 | ---- | 34100 | 10400 | 221725 | + | 32137 | .170B | .020A | |
| 9700 | ---- | ---- | ---- | 0.122N | .100- | 225 | .415 | ---- | 1000 | 100 | 343252 | - | 500 | .250B | .030A | |
| 9712 | ---- | ---- | ---- | 0.197N | .167- | 300 | .562 | ---- | ---- | ---- | 71852 | | UNCH | .345B | .040A | |
| 9725 | ---- | ---- | ---- | 0.290N | .252- | 375 | .690 | ---- | ---- | ---- | 77400 | | UNCH | .450B | .055A | |
| 9737 | ---- | ---- | ---- | 0.395N | .352- | 425 | .785 | ---- | ---- | ---- | 25986 | | UNCH | .565B | .080A | |
| 9750 | ---- | ---- | ---- | 0.505N | .457- | 475 | .856 | ---- | ---- | ---- | 61610 | | UNCH | .680B | .115A | |
| 9762 | ---- | ---- | ---- | 0.622N | .572- | 500 | .902 | ---- | ---- | ---- | 7310 | | UNCH | .805B | .155A | |
| 9775 | ---- | ---- | ---- | 0.742N | .690- | 525 | .936 | ---- | ---- | ---- | 29688 | | UNCH | .925B | .205A | |
| 9787 | ---- | ---- | ---- | 0.862N | .812- | 500 | .951 | ---- | ---- | ---- | 70850 | | UNCH | 1.050B | .260A | |
| 9812 | ---- | ---- | ---- | 1.110N | 1.057- | 525 | .975 | ---- | ---- | ---- | 125 | | UNCH | 1.300B | .395A | |
| TOTAL | | | | | | | | | 35100 | 121697 | 1384972 | + | 32137 | | | |
| OCT18 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | | | |
| 9575 | ---- | ---- | ---- | ---- | CAB | ---- | .001 | ---- | ---- | ---- | 125 | | UNCH | .002 | .002 | |
| 9612 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .015 | ---- | ---- | ---- | 2750 | | UNCH | .005B | .002A | |
| 9625 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .029 | ---- | ---- | ---- | 5500 | | UNCH | .015B | .005A | |
| 9650 | ---- | ---- | ---- | 0.015N | .012- | 25 | .071 | ---- | ---- | ---- | 5150 | | UNCH | .050B | .015A | |
| 9662 | ---- | ---- | ---- | 0.027N | .025- | 25 | .127 | ---- | ---- | ---- | 2900 | | UNCH | .085B | .025A | |
| 9675 | ---- | ---- | ---- | 0.052N | .045- | 75 | .205 | ---- | ---- | ---- | 2650 | | UNCH | .130B | .045A | |
| 9687 | ---- | ---- | ---- | 0.092N | .077- | 150 | .310 | ---- | ---- | ---- | 2650 | | UNCH | .195B | .075A | |
| 9700 | ---- | ---- | ---- | 0.150N | .127- | 225 | .433 | ---- | ---- | ---- | 1546 | | UNCH | .285B | .110A | |
| TOTAL | | | | | | | | | 0 | 121697 | 23271 | | | | | |
| NOV18 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | | | |
| 9600 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .014 | ---- | ---- | ---- | 7800 | | UNCH | ---- | ---- | |
| 9612 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .026 | ---- | ---- | ---- | 15600 | | UNCH | .010B | .015A | |
| 9637 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .062 | ---- | ---- | ---- | 7800 | | UNCH | .035B | .015A | |
| 9687 | ---- | ---- | ---- | 0.117N | .097- | 200 | .332 | ---- | ---- | ---- | 1000 | | UNCH | .210B | .095A | |
| 9737 | ---- | ---- | ---- | 0.427N | .387- | 400 | .734 | ---- | ---- | ---- | 250 | | UNCH | .585B | .315A | |
| TOTAL | | | | | | | | | 0 | 121697 | 32450 | | | | | |
| DEC18 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | | | |
| 9587 | ---- | ---- | ---- | ---- | .002+ | 25 | .013 | ---- | ---- | ---- | 150 | | UNCH | .010B | .015A | |
| 9600 | ---- | ---- | ---- | 0.002N | .005+ | 25 | .024 | ---- | ---- | ---- | 18679 | | UNCH | .025B | .005 | |
| 9612 | ---- | ---- | ---- | 0.005N | .007+ | 25 | .035 | ---- | 5000 | ---- | 140133 | - | 3250 | .030B | .010A | |
| 9625 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .048 | ---- | 5000 | ---- | 61052 | - | 4000 | .045B | .010A | |
| 9637 | ---- | ---- | ---- | 0.017N | .015- | 25 | .070 | ---- | ---- | ---- | 141290 | | UNCH | .065B | .020 | |
| 9650 | ---- | ---- | ---- | 0.030N | .027- | 25 | .116 | ---- | 3000 | 3990 | 291390 | - | 4990 | .095B | .035A | |
| 9662 | ---- | ---- | ---- | 0.052N | .047- | 50 | .179 | ---- | 8000 | 2000 | 236173 | - | 375 | .130B | .040A | |
| 9675 | ---- | ---- | ---- | 0.085N | .075- | 100 | .256 | ---- | ---- | ---- | 67321 | | UNCH | .175B | .055A | |
| 9687 | ---- | ---- | ---- | 0.130N | .115- | 150 | .347 | ---- | 3000 | 3990 | 134465 | - | 4326 | .235B | .080A | |
| 9700 | ---- | ---- | ---- | 0.190N | .167- | 225 | .446 | ---- | 2000 | 6240 | 94260 | - | 136 | .310B | .060 | |
| 9712 | ---- | ---- | ---- | 0.262N | .235- | 275 | .545 | ---- | 2800 | ---- | 94628 | + | 2171 | .400B | .085A | |
| 9725 | ---- | ---- | ---- | 0.345N | .312- | 325 | .636 | ---- | ---- | 872 | 50056 | + | 24 | .500B | .110A | |
| 9737 | ---- | ---- | ---- | 0.440N | .402- | 375 | .716 | ---- | ---- | ---- | 20103 | | UNCH | .605B | .155A | |
| 9750 | ---- | ---- | ---- | 0.542N | .502- | 400 | .781 | ---- | ---- | ---- | 4955 | | UNCH | .720B | .195A | |
| 9762 | ---- | ---- | ---- | 0.650N | .607- | 425 | .831 | ---- | ---- | ---- | 8244 | | UNCH | .835B | .250A | |
| 9787 | ---- | ---- | ---- | 0.882N | .832- | 500 | .905 | ---- | ---- | ---- | 999 | | UNCH | 1.080B | .395A | |
| 9800 | ---- | ---- | ---- | 1.002N | .950- | 525 | .929 | ---- | ---- | ---- | 1000 | | UNCH | 1.200B | .485A | |
| TOTAL | | | | | | | | | 28800 | 138789 | 1364898 | - | 14882 | | | |
| MAR19 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | | | |
| 9550 | ---- | ---- | ---- | ---- | CAB | ---- | .006 | ---- | ---- | ---- | 20 | | UNCH | ---- | .010A | |
| 9575 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .020 | ---- | ---- | ---- | 4510 | | UNCH | .025B | .020A | |
| 9600 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .039 | ---- | ---- | ---- | 611 | | UNCH | .040B | .015A | |
| 9612 | ---- | ---- | ---- | 0.015N | .015 | UNCH | .057 | ---- | ---- | ---- | 284 | | UNCH | .055B | .025A | |
| 9625 | ---- | ---- | ---- | 0.025N | .022- | 25 | .081 | ---- | ---- | ---- | 304 | | UNCH | .075B | .030A | |
| 9637 | ---- | ---- | ---- | 0.040N | .035- | 50 | .118 | ---- | ---- | ---- | 45551 | | UNCH | .100B | .025 | |
| 9650 | ---- | ---- | ---- | 0.062N | .052- | 100 | .165 | ---- | ---- | ---- | 59562 | | UNCH | .130B | .040 | |
| 9662 | ---- | ---- | ---- | 0.092N | .077- | 150 | .223 | ---- | ---- | ---- | 18100 | | UNCH | .170B | .080A | |
| 9675 | ---- | ---- | ---- | 0.130N | .110- | 200 | .291 | ---- | 650 | ---- | 660 | + | 400 | .215B | .090A | |
| 9687 | ---- | ---- | ---- | 0.177N | .155- | 225 | .369 | ---- | ---- | ---- | 19804 | | UNCH | .280B | .115A | |
| 9700 | ---- | ---- | ---- | 0.235N | .210- | 250 | .450 | ---- | ---- | ---- | 15174 | | UNCH | .355B | .145A | |
| 9712 | ---- | ---- | ---- | 0.305N | .275- | 300 | .530 | ---- | ---- | 1500 | 4350 | + | 1109 | .440B | .190A | |
| TOTAL | | | | | | | | | 650 | 140289 | 168930 | + | 1509 | | | |
| JUN19 E2 | 2YR MIDCRV PUT | (FUTURES SETT. | .00) | | | | | | | | | | | | | |
| 9650 | ---- | ---- | ---- | 0.092N | .082- | 100 | .206 | ---- | ---- | ---- | 1000 | | UNCH | .160B | .090A | |
| 9687 | ---- | ---- | ---- | 0.217N | .197- | 200 | .388 | ---- | ---- | ---- | 1250 | | UNCH | .320B | .205A | |
| 9700 | ---- | ---- | ---- | 0.277N | .255- | 225 | .457 | ---- | ---- | ---- | 100 | | UNCH | .395B | .255A | |
| TOTAL | | | | | | | | | 0 | 140289 | 2350 | | | | | |

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# MIDCURVE, BUNDLE, CALENDAR SPREAD EURODOLLAR AND TOMMI MIDCURVE PUT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



3YR MIDCRV PUT

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9600 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 250 | UNCH | ---- | ---- |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 500 | UNCH | ---- | ---- |
| 9625 | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | ---- | 2000 | UNCH | .020B | .010A |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 4500 | UNCH | .050B | .010A |
| 9662 | ---- | ---- | ---- | ---- | CAB | ---- | .004 | ---- | ---- | ---- | 5507 | UNCH | .070B | .005A |
| 9675 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .030 | ---- | ---- | ---- | 21164 | UNCH | .110B | .005A |
| 9687 | 0.010 | #.010 | *.010 | ---- | .007- | 50 | .094 | ---- | 200 | 291 | 17901 + | 191 | .160B | .010A |
| 9700 | ---- | ---- | ---- | 0.050N | .032- | 175 | .312 | ---- | 1750 | 750 | 24541 + | 1472 | .250B | .035 |
| 9712 | ---- | ---- | ---- | 0.132N | .092- | 400 | .624 | ---- | 750 | ---- | 5932 - | 250 | .360B | .095A |
| 9725 | ---- | ---- | ---- | 0.240N | .192- | 475 | .832 | ---- | ---- | ---- | 790 | UNCH | .475B | .160A |
| TOTAL | | | | | | | | | 2700 | 141330 | 83085 + | 1413 | | |
| AUG18 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | ---- | 125 | UNCH | .020B | .005A |
| 9650 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .021 | ---- | ---- | ---- | 125 | UNCH | .045B | .010A |
| 9662 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .043 | ---- | ---- | ---- | 366 | UNCH | .075B | .010 |
| 9675 | ---- | ---- | ---- | 0.015N | .012- | 25 | .099 | ---- | ---- | 50 | 4144 + | 50 | .115B | .015 |
| 9687 | ---- | ---- | ---- | 0.040N | .030- | 100 | .208 | ---- | 4950 | ---- | 9914 - | 476 | .180B | .035A |
| 9700 | ---- | ---- | ---- | 0.087N | .067- | 200 | .381 | ---- | ---- | 50 | 9602 | UNCH | .270B | .070A |
| 9712 | ---- | ---- | ---- | 0.162N | .130- | 325 | .577 | ---- | 750 | ---- | 7900 + | 540 | .370B | .125A |
| TOTAL | | | | | | | | | 5700 | 141430 | 32176 + | 114 | | |
| SEP18 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9600 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 200 | UNCH | .020B | .010A |
| 9612 | ---- | ---- | ---- | ---- | CAB | ---- | .002 | ---- | ---- | ---- | 13025 | UNCH | .030B | .010 |
| 9625 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | ---- | 18959 | UNCH | .045B | .002 |
| 9637 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .019 | ---- | ---- | ---- | 18583 | UNCH | .065B | .005 |
| 9650 | ---- | ---- | ---- | 0.007N | .007 | UNCH | .049 | ---- | 14000 | ---- | 22374 + | 6097 | .085B | .020A |
| 9662 | ---- | ---- | ---- | 0.017N | .012- | 50 | .082 | ---- | ---- | ---- | 23947 | UNCH | .115B | .015A |
| 9675 | ---- | ---- | ---- | 0.035N | .027- | 75 | .158 | ---- | 14000 | ---- | 37954 + | 7650 | .150B | .025A |
| 9687 | ---- | ---- | ---- | 0.067N | .055- | 125 | .270 | ---- | ---- | ---- | 22262 | UNCH | .205B | .030A |
| 9700 | ---- | ---- | ---- | 0.120N | .097- | 225 | .408 | ---- | ---- | 500 | 34654 + | 244 | .285B | .045A |
| 9712 | ---- | ---- | ---- | 0.192N | .162- | 300 | .557 | ---- | ---- | ---- | 29713 | UNCH | .385B | .060A |
| 9725 | ---- | ---- | ---- | 0.282N | .247- | 350 | .687 | ---- | ---- | ---- | 7562 | UNCH | .490B | .085A |
| 9737 | ---- | ---- | ---- | 0.387N | .345- | 425 | .789 | ---- | ---- | ---- | 23152 | UNCH | .605B | .120A |
| 9750 | ---- | ---- | ---- | 0.497N | .450- | 475 | .862 | ---- | ---- | ---- | 12032 | UNCH | .725B | .160A |
| 9762 | ---- | ---- | ---- | 0.615N | .565- | 500 | .909 | ---- | ---- | ---- | 36351 | UNCH | .830B | .210A |
| 9775 | ---- | ---- | ---- | 0.735N | .685- | 500 | .936 | ---- | ---- | ---- | 5553 | UNCH | .955B | .275A |
| 9787 | ---- | ---- | ---- | 0.857N | .805- | 525 | .960 | ---- | ---- | ---- | 550 | UNCH | 1.080B | .345A |
| TOTAL | | | | | | | | | 28000 | 141930 | 306871 + | 13991 | | |
| OCT18 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9625 | ---- | ---- | ---- | 0.005N | .002- | 25 | .017 | ---- | ---- | ---- | 500 | UNCH | .025B | .005A |
| 9637 | ---- | ---- | ---- | 0.007N | .005- | 25 | .032 | ---- | ---- | ---- | 1000 | UNCH | .045B | .010A |
| 9650 | ---- | ---- | ---- | 0.017N | .012- | 50 | .071 | ---- | ---- | ---- | 1000 | UNCH | .070B | .015A |
| 9662 | ---- | ---- | ---- | 0.032N | .025- | 75 | .127 | ---- | ---- | ---- | 1500 | UNCH | .110B | .025A |
| 9675 | ---- | ---- | ---- | 0.055N | .045- | 100 | .205 | ---- | ---- | ---- | 3350 | UNCH | .160B | .045A |
| 9687 | ---- | ---- | ---- | 0.095N | .077- | 175 | .310 | ---- | ---- | ---- | 625 | UNCH | .225B | .080A |
| TOTAL | | | | | | | | | 0 | 141930 | 7975 | | | |
| NOV18 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.117N | .097- | 200 | .332 | ---- | ---- | ---- | 250 | UNCH | .235B | .105A |
| TOTAL | | | | | | | | | 0 | 141930 | 250 | | | |
| DEC18 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9587 | ---- | ---- | ---- | ---- | CAB | ---- | .007 | ---- | ---- | ---- | 125 | UNCH | .015B | .005A |
| 9600 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .014 | ---- | ---- | ---- | 797 | UNCH | .040B | .010A |
| 9612 | ---- | ---- | ---- | 0.007N | .005- | 25 | .026 | ---- | ---- | ---- | 125 | UNCH | .055B | .015A |
| 9625 | ---- | ---- | ---- | 0.012N | .010- | 25 | .048 | ---- | ---- | ---- | 13450 | UNCH | .070B | .015 |
| 9637 | ---- | ---- | ---- | 0.020N | .017- | 25 | .078 | ---- | ---- | ---- | 125 | UNCH | .100B | .020A |
| 9650 | ---- | ---- | ---- | 0.032N | .030- | 25 | .122 | ---- | ---- | ---- | 80118 | UNCH | .120B | .025A |
| 9662 | ---- | ---- | ---- | 0.055N | .047- | 75 | .179 | ---- | ---- | 750 | 30817 + | 250 | .165B | .035A |
| 9675 | ---- | ---- | ---- | 0.087N | .075- | 125 | .256 | ---- | ---- | ---- | 41429 | UNCH | .205B | .050A |
| 9687 | ---- | ---- | ---- | 0.132N | .112- | 200 | .345 | ---- | ---- | 125 | 48115 | UNCH | .265B | .060A |
| 9700 | ---- | ---- | ---- | 0.190N | .165- | 250 | .446 | ---- | 2700 | ---- | 62566 + | 250 | .345B | .080A |
| 9712 | ---- | ---- | ---- | 0.262N | .230- | 325 | .547 | ---- | ---- | ---- | 20321 | UNCH | .435B | .105A |
| 9725 | ---- | ---- | ---- | 0.342N | .307- | 350 | .640 | ---- | ---- | ---- | 11490 | UNCH | .530B | .140A |
| 9737 | ---- | ---- | ---- | 0.437N | .400- | 375 | .719 | ---- | ---- | ---- | 29550 | UNCH | .640B | .185A |
| 9750 | ---- | ---- | ---- | 0.540N | .500- | 400 | .784 | ---- | ---- | ---- | 10694 | UNCH | .750B | .235A |
| TOTAL | | | | | | | | | 2700 | 142805 | 349722 + | 500 | | |
| MAR19 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9562 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .011 | ---- | ---- | ---- | 1 | UNCH | .015B | .020A |

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## FINAL



3YR MIDCRV PUT

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9575 | ---- | ---- | ---- | 0.005N | .005 | UNCH | .020 | ---- | ---- | ---- | 26100 | UNCH | .025B | .010A |
| 9600 | ---- | ---- | ---- | 0.012N | .010- | 25 | .039 | ---- | ---- | ---- | 5350 | UNCH | .060B | .020A |
| 9612 | ---- | ---- | ---- | 0.020N | .017- | 25 | .063 | ---- | ---- | ---- | 10950 | UNCH | .075B | .025A |
| 9625 | ---- | ---- | ---- | 0.030N | .025- | 50 | .088 | ---- | ---- | ---- | 6000 | UNCH | .095B | .035A |
| 9637 | ---- | ---- | ---- | 0.045N | .040- | 50 | .129 | ---- | ---- | ---- | 6114 | UNCH | .120B | .040A |
| 9650 | ---- | ---- | ---- | 0.067N | .057- | 100 | .174 | ---- | ---- | ---- | 15051 | UNCH | .150B | .060A |
| 9675 | ---- | ---- | ---- | 0.132N | .117- | 150 | .301 | ---- | ---- | ---- | 3641 | UNCH | .250B | .115A |
| 9687 | ---- | ---- | ---- | 0.180N | .160- | 200 | .376 | ---- | ---- | ---- | 27312 | UNCH | .315B | .145A |
| 9700 | ---- | ---- | ---- | 0.237N | .212- | 250 | .456 | ---- | 850 | ---- | 12140 + | 850 | .385B | .180A |
| 9712 | ---- | ---- | ---- | 0.305N | .277- | 275 | .537 | ---- | ---- | 100 | 2000 | UNCH | .465B | .230A |
| 9725 | ---- | ---- | ---- | 0.387N | .352- | 350 | .614 | ---- | ---- | ---- | 1100 | UNCH | .555B | .280A |
| TOTAL | | | | | | | | | 850 | 142905 | 115759 + | 850 | | |
| JUN19 E3 | 3YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9625 | ---- | ---- | ---- | 0.050N | .047- | 25 | .129 | ---- | ---- | ---- | 3614 | UNCH | .060B | ---- |
| 9637 | ---- | ---- | ---- | 0.070N | .065- | 50 | .168 | ---- | ---- | ---- | 4749 | UNCH | .085B | .085A |
| 9650 | ---- | ---- | ---- | 0.097N | .087- | 100 | .214 | ---- | ---- | ---- | 1034 | UNCH | .115B | .095A |
| 9687 | ---- | ---- | ---- | 0.222N | .200- | 225 | .395 | ---- | ---- | ---- | 6690 | UNCH | .350B | .210A |
| 9700 | ---- | ---- | ---- | 0.280N | .255- | 250 | .464 | ---- | ---- | ---- | 2617 | UNCH | .370B | .265A |
| 9712 | ---- | ---- | ---- | 0.347N | .320- | 275 | .534 | ---- | ---- | ---- | 4749 | UNCH | .385B | .330A |
| 9725 | ---- | ---- | ---- | 0.427N | .392- | 350 | .601 | ---- | ---- | ---- | 2000 | UNCH | ---- | .425A |
| TOTAL | | | | | | | | | 0 | 142905 | 25453 | | | |

4YR MIDCRV PUT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 E4 | 4YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9637 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 500 | UNCH | .045B | .015A |
| 9650 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | ---- | 1000 | UNCH | .065B | .025A |
| 9675 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .032 | ---- | ---- | ---- | 500 | UNCH | .130B | .020A |
| 9687 | ---- | ---- | ---- | 0.015N | .010- | 50 | .119 | ---- | ---- | ---- | 9400 | UNCH | .185B | .020A |
| 9700 | ---- | ---- | ---- | 0.057N | .035- | 225 | .349 | ---- | ---- | 173 | 633 + | 173 | .285B | .045A |
| TOTAL | | | | | | | | | 0 | 143078 | 12033 + | 173 | | |
| SEP18 E4 | 4YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9650 | ---- | ---- | ---- | 0.010N | .010 | UNCH | .061 | ---- | ---- | ---- | 1000 | UNCH | .095B | .015A |
| 9662 | ---- | ---- | ---- | 0.020N | .017- | 25 | .104 | ---- | ---- | ---- | 1200 | UNCH | .130B | .020A |
| 9675 | ---- | ---- | ---- | 0.040N | .032- | 75 | .177 | ---- | ---- | ---- | 1000 | UNCH | .175B | .035A |
| 9687 | ---- | ---- | ---- | 0.075N | .060- | 150 | .289 | ---- | ---- | ---- | 3310 | UNCH | .230B | .045A |
| 9700 | ---- | ---- | ---- | 0.127N | .105- | 225 | .432 | ---- | ---- | ---- | 1300 | UNCH | .320B | .065A |
| 9712 | ---- | ---- | ---- | 0.202N | .170- | 325 | .583 | ---- | ---- | ---- | 1300 | UNCH | .420B | .085A |
| 9750 | ---- | ---- | ---- | 0.515N | .470- | 450 | .866 | ---- | ---- | ---- | 4350 | UNCH | .765B | .200A |
| 9762 | ---- | ---- | ---- | 0.632N | .585- | 475 | .911 | ---- | ---- | ---- | 229 | UNCH | .885B | .265A |
| TOTAL | | | | | | | | | 0 | 143078 | 13689 | | | |
| DEC18 E4 | 4YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9625 | ---- | ---- | ---- | 0.012N | .012 | UNCH | .057 | ---- | ---- | ---- | 2778 | UNCH | .090B | .025A |
| 9637 | ---- | ---- | ---- | 0.020N | .020 | UNCH | .087 | ---- | ---- | ---- | 340 | UNCH | .115B | .030A |
| 9650 | ---- | ---- | ---- | 0.035N | .032- | 25 | .132 | ---- | ---- | ---- | 30 | UNCH | .145B | .040A |
| 9662 | ---- | ---- | ---- | 0.060N | .052- | 75 | .195 | ---- | ---- | ---- | 3750 | UNCH | .180B | .055A |
| 9675 | ---- | ---- | ---- | 0.095N | .080- | 150 | .272 | ---- | ---- | ---- | 970 | UNCH | .225B | .065A |
| 9687 | ---- | ---- | ---- | 0.142N | .120- | 225 | .366 | ---- | ---- | ---- | 1300 | UNCH | .290B | .085A |
| 9700 | ---- | ---- | ---- | 0.202N | .175- | 275 | .469 | ---- | 3350 | 500 | 15800 + | 2450 | .370B | .100A |
| 9737 | ---- | ---- | ---- | 0.460N | .417- | 425 | .743 | ---- | ---- | ---- | 50 | UNCH | .675B | .220A |
| TOTAL | | | | | | | | | 3350 | 143578 | 25018 + | 2450 | | |
| MAR19 E4 | 4YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9562 | ---- | ---- | ---- | 0.002N | .002 | UNCH | .011 | ---- | ---- | ---- | 250 | UNCH | .020 | .010 |
| 9650 | ---- | ---- | ---- | 0.070N | .062- | 75 | .187 | ---- | ---- | ---- | 300 | UNCH | .160B | .075A |
| 9687 | ---- | ---- | ---- | 0.190N | .170- | 200 | .396 | ---- | ---- | ---- | 550 | UNCH | .335B | .180A |
| 9700 | ---- | ---- | ---- | 0.250N | .225- | 250 | .478 | ---- | ---- | ---- | 100 | UNCH | .410B | .230A |
| TOTAL | | | | | | | | | 0 | 143578 | 1200 | | | |
| JUN19 E4 | 4YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9637 | ---- | ---- | ---- | 0.077N | .070- | 75 | .180 | ---- | ---- | ---- | 500 | UNCH | ---- | .090A |
| TOTAL | | | | | | | | | 0 | 143578 | 500 | | | |

5YR MIDCRV PUT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC18 E5 | 5YR MIDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | 0.110N | .102- | 75 | .316 | ---- | ---- | ---- | 1600 | UNCH | ---- | ---- |
| 9687 | ---- | ---- | ---- | 0.155N | .142- | 125 | .408 | ---- | ---- | ---- | 300 | UNCH | .210 | .140A |
| 9700 | ---- | ---- | ---- | 0.220N | .197- | 225 | .511 | ---- | ---- | ---- | 1600 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 143578 | 3500 | | | |

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## FINAL



TE2 OPT

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP18 TE2 | TE2 OPT | (FUTURES SETT. .00) | | | | | | | | | | | | | |
| 9725 | ---- | ---- | ---- | 0.020N | .017- | 25 | .207 | ---- | 200 | ---- | 3000 + | 200 | ---- | ---- |
| TOTAL | | | | | | | | | 200 | 143578 | 3000 + | 200 | | |

TE3 OPT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP18 TE3 | TE3 OPT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9725 | ---- | ---- | ---- | 0.100N | .090- | 100 | .490 | ---- | ---- | ---- | 7251 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 143578 | 7251 | | | |

WK5 MDCRV PUT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN18 5K | WK5 MDCRV PUT | (FUTURES SETT. .00) | | | | | | | | | | | | |
| 9687 | ---- | ---- | ---- | 0.002N | CAB | ---- | .000 | ---- | ---- | ---- | 500 | UNCH | ---- | .005A |
| 9700 | ---- | ---- | ---- | 0.007N | .002- | 50 | .038 | ---- | ---- | ---- | 1000 | UNCH | .020B | .015A |
| 9712 | ---- | ---- | ---- | 0.062N | .030- | 325 | .632 | ---- | ---- | ---- | 500 | UNCH | ---- | .085A |
| TOTAL | | | | | | | | | 0 | 143578 | 2000 | | | |

**143,578.00**

ADDITIONAL EURODOLLAR PRODUCTS PUT OPTIONS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E3W PUT JUN18 EF5 | E3W PUT | (FUTURES SETT. .00) | | | | | | | | | | |
| 9675 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1000 UNCH | ---- | ---- |
| 9687 | ---- | ---- | ---- | .0025N | .0025 | UNCH | .021 | ---- | ---- | 1000 UNCH | ---- | .0250A |
| TOTAL | | | | | | | | | 0 | 2000 | | |
| TE2 OPT SEP18 TE2 | TE2 OPT | (FUTURES SETT. .00) | | | | | | | | | | |
| 9725 | ---- | ---- | ---- | .0200N | .0175- | .0025 | .207 | ---- | 200 | 3000 + | 200 | ---- | ---- |
| TOTAL | | | | | | | | | 200 | 3000 + | 200 | | |
| TE3 OPT SEP18 TE3 | TE3 OPT | (FUTURES SETT. .00) | | | | | | | | | | |
| 9725 | ---- | ---- | ---- | .1000N | .0900- | .0100 | .490 | ---- | ---- | 7251 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 7251 | | |

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## FINAL



OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| 1YR MIDCRV CALL EURODOLLAR MIDCURVE OPTIONS | | | | | | | |
| AUG18 CALL | | | | | | | |
| E0 | 9725 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| E0 | 9750 | ---- | 20000 | 40000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 20000 | 60000 | 0 | 0 | 0 |
| NOV18 CALL | | | | | | | |
| E0 | 9825 | ---- | ---- | 10000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 10000 | 0 | 0 | 0 |
| DEC18 CALL | | | | | | | |
| E0 | 9700 | ---- | ---- | 2500 | ---- | ---- | 0.00 |
| E0 | 9712 | ---- | ---- | 2500 | ---- | ---- | 0.00 |
| E0 | 9725 | ---- | ---- | 2500 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 7500 | 0 | 0 | 0 |
| 1YR MIDCRV PUT EURODOLLAR MIDCURVE OPTIONS | | | | | | | |
| JUL18 PUT | | | | | | | |
| E0 | 9687 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| E0 | 9700 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 40000 | 0 | 0 | 0 |
| AUG18 PUT | | | | | | | |
| E0 | 9675 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| E0 | 9687 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 40000 | 0 | 0 | 0 |
| SEP18 PUT | | | | | | | |
| E0 | 9687 | ---- | ---- | 30000 | ---- | ---- | 0.00 |
| E0 | 9700 | ---- | ---- | 50000 | ---- | ---- | 0.00 |
| E0 | 9712 | ---- | ---- | 50000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 130000 | 0 | 0 | 0 |
| DEC18 PUT | | | | | | | |
| E0 | 9675 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| E0 | 9712 | ---- | ---- | 35500 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 55500 | 0 | 0 | 0 |
| 2YR MIDCRV CALL EURODOLLAR MIDCURVE OPTIONS | | | | | | | |
| NOV18 CALL | | | | | | | |
| E2 | 9825 | ---- | ---- | 10000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 10000 | 0 | 0 | 0 |
| DEC18 CALL | | | | | | | |
| E2 | 9775 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| E2 | 9787 | ---- | ---- | 32500 | ---- | ---- | 0.00 |
| E2 | 9800 | ---- | ---- | 10000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 62500 | 0 | 0 | 0 |
| 2YR MIDCRV PUT EURODOLLAR MIDCURVE OPTIONS | | | | | | | |
| AUG18 PUT | | | | | | | |
| E2 | 9650 | ---- | ---- | 10000 | ---- | ---- | 0.00 |
| E2 | 9675 | ---- | ---- | 10000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 20000 | 0 | 0 | 0 |
| SEP18 PUT | | | | | | | |
| E2 | 9650 | ---- | ---- | 8500 | ---- | ---- | 0.00 |
| E2 | 9662 | ---- | ---- | 8500 | ---- | ---- | 0.00 |
| E2 | 9687 | ---- | 32100 | 70600 | ---- | ---- | 0.00 |
| E2 | 9700 | ---- | ---- | 50000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 32100 | 137600 | 0 | 0 | 0 |
| DEC18 PUT | | | | | | | |
| E2 | 9650 | ---- | ---- | 98750 | ---- | ---- | 0.00 |
| E2 | 9662 | ---- | ---- | 98750 | ---- | ---- | 0.00 |
| E2 | 9687 | ---- | ---- | 14750 | ---- | ---- | 0.00 |
| E2 | 9700 | ---- | ---- | 27500 | ---- | ---- | 0.00 |
| E2 | 9712 | ---- | ---- | 32250 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 272000 | 0 | 0 | 0 |
| 3YR MIDCRV CALL EURODOLLAR MIDCURVE OPTIONS | | | | | | | |
| JUN19 CALL | | | | | | | |
| E3 | 9775 | ---- | ---- | 20000 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 20000 | 0 | 0 | 0 |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/4 TICK VALUE = $6.25 PRODCUT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### S&P MIDCAP, E-MINI MIDCAP, E-MINI SMALLCAP, CITIGROUP GROWTH and CITIGROUP VALUE CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|
| E-MINI SMLCAP OPT | 06/15 | 07/20 | 08/17 | 09/21 | 12/21 | 03/15 | 06/21 |
| E-MINI 400MID OPT | 06/15 | | | 09/21 | 12/21 | 03/15 | 06/21 |
| S&P GROWTH FUT | 06/14 | | | 09/20 | 12/20 | | |
| S&P VALUE FUT | 06/14 | | | 09/20 | 12/20 | | |

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|
| BTC FUT | 06/29 | 07/27 | 08/31 | 09/28 | | | |
| EI FUT | | | | 09/21 | | | |
| ENY FUT | | | | 09/13 | | | |
| FT1 FUT | | | | 09/21 | | | |
| FT5 FUT | | | | 09/21 | | | |
| FTU FUT | | | | 09/21 | | | |
| IBV FUT | | | 08/15 | | | | |
| RS1 FUT | | | | 09/21 | | | |
| RSG FUT | | | | 09/21 | | | |
| RSV FUT | | | | 09/21 | | | |
| SDA FUT | | | | | 12/21 | | |
| SDI FUT | | | | 09/21 | 12/21 | 03/15 | 06/21 |
| TPY FUT | | | | 09/13 | | | |
| TRI FUT | | | | 09/21 | 12/21 | 03/15 | 06/21 |
| XAR FUT | | | | 09/21 | | | |

### S&P MIDCAP, E-MINI MIDCAP, E-MINI SMALLCAP, CITIGROUP GROWTH and CITIGROUP VALUE OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|---|---|
| 9MC | 760.0-1,090 | 805.0-1,100 | 805.0-1,100 | 805.0-1,100 | 840.0-1,100 | 870.0-1,100 | 975.0-1,100 |
| MCO | 1,335.0-2,3 | | | 1,400.0-2,4 | 1,425.0-2,4 | 1,465.0-2,4 | 1,560.0-2,4 |

### S&P MIDCAP, E-MINI MIDCAP, E-MINI SMALLCAP, CITIGROUP GROWTH and CITIGROUP VALUE FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| S&P 400MID FUT | | | | | | | | | |
| | ---- | | | | | | | | |
| TOTAL S&P 400MID FUT | | | | | | | | | |
| E-400 MIDCAP F | | | | | | | | | |
| SEP18 | 1968.90 | 1980.00 | 1945.60 | 1946.30 - 2240 | ---- | 17179 | 86608 - 103 | 2017.90 | 1694.70 |
| TOTAL E-400 MIDCAP F | | | | | 0 | 17179 | 86608 - 103 | | |
| E-600 SMLCAP F | | | | | | | | | |
| | ---- | | | | | | | | |
| TOTAL E-600 SMLCAP F | | | | | | | | | |
| S&P GROWTH FUT | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 1615.60 - 1910 | ---- | ---- | 13 UNCH | ---- | ---- |
| TOTAL S&P GROWTH FUT | | | | | 0 | 0 | 13 | | |
| S&P VALUE FUT | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 1077.00 - 420 | ---- | ---- | 14 UNCH | ---- | ---- |
| TOTAL S&P VALUE FUT | | | | | 0 | 0 | 14 | | |

### ADDITIONAL MIDCAP, SMALLCAP, GROWTH, and VALUE EQUITY & INDEX -FUTURES-

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| BTC FUT | | | | | | | | | |
| JUN18 | 6210.00 | 6210.00 | 5975.00 | 6160.00 + UNCH | ---- | 3229 | 725 - 304 | 20040.00 | 5960.00 |
| JUL18 | 6190.00 | 6205.00B | *5970.00A | 6135.00 - 30.00 | ---- | 875 | 1542 + 315 | 9880.00B | 5970.00A |
| AUG18 | 6105.00 | 6175.00B | *5990.00A | 6140.00 - 30.00 | ---- | 8 | 30 UNCH | 7785.00B | 5990.00A |
| SEP18 | 6150.00 | 6200.00B | *6000.00 | 6150.00 - 25.00 | ---- | 71 | 382 - 19 | 9915.00B | 6000.00 |
| TOTAL BTC FUT | | | | | 0 | 4183 | 2679 - 8 | | |
| EI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | *502.40A | 503.70 - 10.40 | ---- | ---- | 5 UNCH | 547.50B | 502.40A |
| TOTAL EI FUT | | | | | 0 | 0 | 5 | | |
| ENY FUT | | | | | | | | | |
| SEP18 | 22330.00 | 22390.00B | 22110.00A | 22130.0 - 75.00 | ---- | 2 | 6 - 1 | 22940.00B | 22010.00 |
| TOTAL ENY FUT | | | | | 0 | 2 | 6 - 1 | | |
| FT1 FUT | | | | | | | | | |
| SEP18 | 7494.00 | 7574.00B | 7448.00A | 7512.50 + 10.50 | ---- | 160 | 5 UNCH | 7728.00B | 7423.00A |
| TOTAL FT1 FUT | | | | | 0 | 160 | 5 | | |
| FT5 FUT | | | | | | | | | |
| SEP18 | 19325.00 | 19405.00B | *18775.00A | 18815.0 - 55.00 | ---- | 101 | 155 + 3 | 21140.00B | 18775.00 |
| TOTAL FT5 FUT | | | | | 0 | 101 | 155 + 3 | | |
| FTU FUT | | | | | | | | | |
| SEP18 | 1069.80 | 1082.20B | *1067.90A | 1084.60 + 3.10 | ---- | 130 | 1 UNCH | 1121.10B | 1067.90A |
| TOTAL FTU FUT | | | | | 0 | 130 | 1 | | |
| IBV FUT | | | | | | | | | |
| AUG18 | 72225.0 | 72385.0 | 70520.0A | 70970.0 - 065.0 | ---- | 10 | 306 UNCH | 74280.0B | 69660.0A |
| TOTAL IBV FUT | | | | | 0 | 10 | 306 | | |
| RS1 FUT | | | | | | | | | |
| SEP18 | 1513.90 | 1527.30B | *1500.90 | 1501.30 - 13.60 | 150 | 839 | 10367 + 104 | 1555.60 | 1500.90 |
| TOTAL RS1 FUT | | | | | 150 | 839 | 10367 + 104 | | |
| RSG FUT | | | | | | | | | |
| SEP18 | 1454.70 | 1460.50B | *1430.70A | 1432.20 - 16.50 | 1864 | 306 | 4186 - 1856 | 1489.80B | 1430.70A |
| TOTAL RSG FUT | | | | | 1864 | 306 | 4186 - 1856 | | |
| RSV FUT | | | | | | | | | |
| SEP18 | 1190.90 | 1198.20B | 1181.60 | 1182.20 - 6.80 | ---- | 692 | 6207 - 169 | 1220.00 | 1181.30A |
| TOTAL RSV FUT | | | | | 0 | 692 | 6207 - 169 | | |
| SDA FUT | | | | | | | | | |
| DEC18 | 53.800 | 53.950 | 53.800 | 53.850 + 0.100 | ---- | 640 | 51008 - 90 | 54.550 | 44.000A |
| DEC19 | 56.500 | 56.550 | 56.450 | 56.400 + UNCH | ---- | 190 | 24070 + 120 | 57.900 | 43.950A |
| DEC20 | 59.150 | 59.200B | 59.100A | 59.000 - 0.150 | ---- | 50 | 20336 + 30 | 61.350 | 43.900A |
| DEC21 | ---- | 61.700B | 61.450A | 61.350 - 0.200 | ---- | ---- | 7012 UNCH | 64.150B | 44.150A |
| DEC22 | ---- | 63.550B | 63.300A | 63.200 - 0.250 | ---- | ---- | 4595 UNCH | 66.250 | 56.400A |
| DEC23 | ---- | 65.250B | 64.900A | 64.750 - 0.350 | ---- | ---- | 1345 UNCH | 68.050B | 57.800A |
| DEC24 | ---- | 67.000B | 66.850A | 66.700 - 0.250 | ---- | ---- | 2175 UNCH | 69.700B | 59.800A |
| DEC25 | ---- | 68.750B | 68.600A | 68.450 - 0.250 | ---- | ---- | 640 UNCH | 71.150B | 60.650A |
| DEC26 | ---- | 70.750B | 70.500A | 70.350 - 0.300 | ---- | ---- | 985 UNCH | 72.800B | 62.150A |
| DEC27 | ---- | 72.800B | 72.500A | 72.350 - 0.350 | ---- | ---- | 818 UNCH | 74.400B | 63.900A |
| DEC28 | ---- | 74.950B | 74.600A | 74.450 - 0.350 | ---- | ---- | 40 UNCH | 76.550B | 71.500A |
| TOTAL SDA FUT | | | | | 0 | 880 | L13024 + 60 | | |
| SDI FUT | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 13.600 + UNCH | ---- | ---- | 140 UNCH | 13.700 | 13.190A |

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## FINAL



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC18 | ---- | ---- | ---- | 13.900 + | UNCH | ---- | ---- | 100 | UNCH | 14.100B | 13.800 |
| MAR19 | ---- | ---- | ---- | 13.800 + | UNCH | ---- | ---- | 80 | UNCH | 13.900 | 13.700 |
| JUN19 | ---- | ---- | ---- | 14.500 + | UNCH | ---- | ---- | 60 | UNCH | 14.400B | 13.300A |
| | | | | | | 0 | 0 | 380 | | | |
| TPY FUT | | | | | | | | | | | |
| SEP18 | 1722.50 | 1738.50B | 1718.00A | 1718.00 - | 10.00 | ---- | 70 | 151 + | 41 | 1800.00B | 1703.00A |
| TOTAL TPY FUT | | | | | | 0 | 70 | 151 + | 41 | | |
| TRI FUT | | | | | | | | | | | |
| SEP18 | ---- | ---- | ---- | 5347.00 - | 47.00 | ---- | ---- | 10100 | UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | 5385.50 - | 47.00 | ---- | ---- | 29203 | UNCH | ---- | ---- |
| MAR19 | ---- | ---- | ---- | 5420.50 - | 47.00 | ---- | ---- | 46100 | UNCH | ---- | ---- |
| JUN19 | ---- | ---- | ---- | 5463.50 - | 47.00 | ---- | ---- | 12950 | UNCH | ---- | ---- |
| TOTAL TRI FUT | | | | | | 0 | 0 | 98353 | | | |
| XAR FUT | | | | | | | | | | | |
| SEP18 | 156.55 | #157.25B | 155.85 | 155.85 - | 0.50 | ---- | 137 | 6034 + | 20 | 157.25B | 150.75A |
| TOTAL XAR FUT | | | | | | 0 | 137 | 6034 + | 20 | | |

S&P MIDCAP, E-MINI MIDCAP, E-MINI SMALLCAP 600, CITIGROUP GROWTH and CITIGROUP VALUE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|

S&P MIDCAP, E-MINI MIDCAP, E-MINI SMALLCAP 600, CITIGROUP GROWTH and CITIGROUP VALUE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|

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# CORN, CSO CORN, OAT AND ROUGH RICE OPTIONS



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## FINAL



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### CORN, OAT AND ROUGH RICE CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|
| CN-CZ CSO OPT | | 06/22 | | | | | | | | |
| CORN FUT | | 07/13 | | 09/14 | | | 12/14 | | 03/14 | 05/14 |
| CORN NRBY OPT | | 06/22 | | 08/24 | | | 11/23 | | 02/22 | 04/26 |
| CORN OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | | 11/23 | | 02/22 | 04/26 |
| CZ-CN CSO OPT | | | | | | | 11/23 | | | |
| CZ-CZ CSO OPT | | | | | | | 11/23 | | | |
| OAT FUT | | 07/13 | | 09/14 | | | 12/14 | | 03/14 | 05/14 |
| OAT OPT | 05/25 | 06/22 | 07/27 | 08/24 | | | 11/23 | | 02/22 | 04/26 |
| ROUGH RICE FUT | | 07/13 | | 09/14 | | 11/14 | | 01/14 | 03/14 | 05/14 |
| ROUGH RICE OPT | 05/25 | 06/22 | 07/27 | 08/24 | | 10/26 | | 12/21 | 02/22 | 04/26 |

| EXPIRATION: | AUG18 | SEP18 | JAN19 | MAR19 |
|---|---|---|---|---|
| NEW CROP CORN OPT | 07/27 | 08/24 | 12/21 | 02/22 |

### CORN, OAT AND ROUGH RICE OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|
| 8CC | | | | | | | -7.5-3.5 | | | |
| CC6 | | -7.0-5.5 | | | | | | | | |
| CCZ | | | | | | | -7.5-5.5 | | | |
| OO | 12.0-37.0 | 11.0-45.0 | 18.0-31.5 | 11.0-43.0 | | | 12.0-43.0 | | 12.0-42.0 | 12.0-40.0 |
| PY | 28.5-51.0 | 18.0-66.0 | 27.0-51.5 | 18.0-63.0 | 28.0-47.5 | | 19.0-80.0 | | 19.0-64.0 | 20.0-66.0 |
| PYC | | -2.0-2.0 | | -2.2-0.5 | | | -2.0-0.4 | | -1.7-0.6 | -1.7-0.6 |
| RRC | 58.0-198.0 | 56.0-204.0 | 52.0-170.0 | 52.0-186.0 | | 52.0-182.0 | | 52.0-186.0 | 52.0-186.0 | 52.0-186.0 |

| | AUG18 | SEP18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|
| CDF | 28.0-53.5 | 28.0-53.5 | 30.0-53.0 | 30.0-53.0 | 30.0-53.0 | 30.0-53.0 | 30.0-53.0 | 30.0-53.0 |

### CORN FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CORN FUT | | | | | | | | | | | |
| JUL18 | 352'0 | 356'4 | 351'4 | 352'4 | UNCH | 14599 | 148720 | 71969 - 70226 | 219540 | 67110 | 356'6 |
| SEP18 | 361'2 | 365'2 | 360'4 | 361'6 + | 0'4 | 2300 | 152163 | 639453 + 13967 | 225269 | 574631 | 366'2 |
| DEC18 | 372'4 | 377'2 | 372'2 | 373'2 | UNCH | 424 | 163437 | 745535 + 31331 | 142225 | 494685 | 376'2 |
| MAR19 | 382'2 | 386'4 | 382'0 | 382'6 | UNCH | 22 | 14557 | 203338 - 235 | 23273 | 99898 | 386'0 |
| MAY19 | 389'0 | 393'0 | 388'6 | 389'4 | UNCH | ---- | 3688 | 34633 + 268 | 2736 | 19339 | 392'2 |
| JUL19 | 395'2 | 399'4B | 395'0 | 395'6 - | 0'2 | ---- | 5241 | 78910 + 1094 | 3170 | 54760 | 398'2 |
| SEP19 | 392'6 | 396'0 | 391'2 | 391'2 - | 2'0 | ---- | 479 | 21436 + 19 | 241 | 7045 | 394'6 |
| DEC19 | 397'2 | 402'0 | 396'0 | 396'4 - | 1'2 | ---- | 6231 | 61587 + 30 | 2448 | 34207 | 398'4 |
| MAR20 | 407'0 | 410'2B | 406'0A | 405'6 - | 1'4 | ---- | 39 | 2578 + 13 | ---- | 786 | 406'2 |
| MAY20 | ---- | 416'0B | ---- | 412'0 - | 1'2 | ---- | ---- | 400 UNCH | ---- | 259 | 410'4 |
| JUL20 | 420'4 | 420'4 | 417'2A | 416'4 - | 1'4 | ---- | 3 | 614 + 1 | 1 | 380 | 414'6 |
| SEP20 | ---- | ---- | ---- | 409'4 - | 1'4 | ---- | ---- | 202 UNCH | ---- | 175 | 403'0 |
| DEC20 | 413'0 | 415'4 | 412'0 | 411'4 - | 1'0 | ---- | 35 | 1246 - 1 | 14 | 485 | 405'0 |
| JUL21 | ---- | ---- | ---- | 425'2 - | 1'0 | ---- | ---- | 17 UNCH | ---- | ---- | ---- |
| DEC21 | 419'6 | 419'6 | 419'6 | 417'6 - | 1'0 | ---- | 1 | 147 UNCH | ---- | ---- | ---- |
| TOTAL CORN FUT | | | | | | 17345 | 494594 | 1862065 - 23739 | 618917 | 353760 | |

### OAT FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OATS FUT | | | | | | | | | | | |
| JUL18 | 241'0 | 255'2 | 237'0 | 254'0 + | 12'6 | ---- | 414 | 308 - 175 | 407 | 233 | 266'4 |
| SEP18 | 235'2 | 241'6 | 235'0 | 240'6 + | 4'4 | ---- | 252 | 1647 + 65 | 356 | 1594 | 261'0 |
| DEC18 | 240'2 | 245'0 | 236'6 | 244'6 + | 6'0 | ---- | 344 | 2972 + 1 | 379 | 3991 | 258'6 |
| MAR19 | 244'0 | 248'0B | 244'0 | 248'6 + | 5'6 | ---- | 1 | 48 UNCH | 14 | 227 | 260'6 |
| TOTAL OATS FUT | | | | | | 0 | 1011 | 4975 - 109 | 1156 | 6045 | |

### ROUGH RICE FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBES LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ROUGH RICE FUT | | | | | | | | | | | |
| JUL18 | 1247'5 | 1251'0 | 1169'0 | 1170'0 - | 80'5 | ---- | 351 | 702 - 133 | 448 | 1413 | 1142'5 |
| SEP18 | 1119'0 | 1157'0 | 1109'5 | 1148'0 + | 30'5 | ---- | 1098 | 6132 - 234 | 894 | 7473 | 1175'0 |
| NOV18 | 1100'0 | 1143'5 | 1100'0 | 1143'0 + | 39'5 | ---- | 53 | 972 + 2 | 90 | 612 | 1197'5 |
| JAN19 | 1110'0 | 1150'0 | 1110'0 | 1153'5 + | 44'0 | ---- | 6 | 38 + 2 | ---- | 31 | 1217'0 |
| TOTAL ROUGH RICE FUT | | | | | | 0 | 1508 | 7844 - 363 | 1432 | 9529 | |

### ADDITIONAL GRAINS & OIL SEED FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----YEAR AGO---- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BCF FUT | | | | | | | | | | | |
| OCT18 | ---- | ---- | ---- | 183.00 + | 1.50 | ---- | ---- | 120 UNCH | ---- | ---- | ---- |
| NOV18 | ---- | ---- | ---- | 183.50 + | 1.00 | ---- | ---- | 100 UNCH | ---- | ---- | ---- |
| FEB19 | ---- | ---- | ---- | 191.00 + | .50 | ---- | ---- | 300 UNCH | ---- | ---- | ---- |
| TOTAL BCF FUT | | | | | | 0 | 0 | 520 | | | |
| BWF FUT | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 201.00 | UNCH | ---- | ---- | 200 UNCH | ---- | ---- | ---- |
| JUL18 | ---- | ---- | ---- | 200.00 - | .25 | ---- | ---- | 4310 UNCH | ---- | ---- | ---- |
| AUG18 | ---- | ---- | ---- | 200.75 - | .75 | 100 | ---- | 3640 UNCH | ---- | ---- | ---- |
| SEP18 | ---- | ---- | ---- | 204.00 + | 1.00 | 900 | ---- | 7650 + 400 | ---- | ---- | ---- |
| OCT18 | ---- | ---- | ---- | 207.50 + | .50 | 500 | ---- | 2350 + 300 | ---- | ---- | ---- |
| NOV18 | ---- | ---- | ---- | 210.00 | UNCH | ---- | ---- | 600 UNCH | ---- | ---- | ---- |
| DEC18 | ---- | ---- | ---- | 212.75 - | 1.00 | ---- | ---- | 2550 UNCH | ---- | ---- | ---- |
| JAN19 | ---- | ---- | ---- | 216.50 | UNCH | 400 | ---- | 600 + 400 | ---- | ---- | ---- |
| FEB19 | ---- | ---- | ---- | 218.25 + | .50 | ---- | ---- | 1100 UNCH | ---- | ---- | ---- |
| TOTAL BWF FUT | | | | | | 1900 | 0 | 23000 + 1100 | | | |
| UME FUT | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | 255.50 | UNCH | ---- | ---- | 350 UNCH | ---- | ---- | ---- |
| JUL18 | ---- | ---- | ---- | 276.00 + | 3.00 | 100 | ---- | 200 - 50 | ---- | ---- | 186.00 |
| AUG18 | ---- | ---- | ---- | 279.00 | NEW | 50 | ---- | 50 + 50 | ---- | ---- | 186.00 |
| SEP18 | ---- | ---- | ---- | 277.50 + | 5.00 | ---- | ---- | 200 UNCH | ---- | ---- | 187.50 |
| OCT18 | ---- | ---- | ---- | 279.00 + | 4.00 | ---- | ---- | 225 UNCH | ---- | ---- | 190.00 |
| NOV18 | ---- | ---- | ---- | 279.50 + | 4.50 | ---- | ---- | 225 UNCH | ---- | ---- | 191.00 |
| DEC18 | ---- | ---- | ---- | 279.00 + | 4.00 | ---- | ---- | 225 UNCH | ---- | ---- | 195.00 |
| JAN19 | ---- | ---- | ---- | 272.50 | UNCH | ---- | ---- | 45 UNCH | ---- | ---- | ---- |
| FEB19 | ---- | ---- | ---- | 272.50 | UNCH | ---- | ---- | 45 UNCH | ---- | ---- | ---- |
| MAR19 | ---- | ---- | ---- | 272.50 | UNCH | ---- | ---- | 45 UNCH | ---- | ---- | ---- |
| TOTAL UME FUT | | | | | | 150 | 0 | 1610 | | | |

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# CORN, CSO CORN, OAT AND ROUGH RICE OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



CORN CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CORN CALL | | | | | | | | | | | | | |
| AUG18 | CORN CALL | | | | | | | | | | | | |
| 330 | ---- | ---- | ---- | 323N | 325 + | 2 | .918 | ---- | ---- | 22 | UNCH | 754B | 287A |
| 335 | ---- | ---- | ---- | 280N | 282 + | 2 | .882 | ---- | 24 | 62 - | 5 | 704B | 243A |
| 340 | ---- | ---- | ---- | 237N | 240 + | 1 | .834 | ---- | 23 | 61 + | 2 | 655B | 204A |
| 345 | ---- | ---- | ---- | 201N | 202 + | 1 | .769 | ---- | 18 | 114 + | 2 | 605B | 172A |
| 350 | ---- | ---- | ---- | 170N | 167 - | 1 | .696 | ---- | ---- | 391 | UNCH | 560 | 134 |
| 355 | ---- | ---- | ---- | 141N | 140 - | 1 | .618 | ---- | 10 | 921 + | 10 | 507B | 120A |
| 360 | ---- | ---- | ---- | 115N | 115 | UNCH | .540 | ---- | 272 | 8043 + | 86 | 520 | 97A |
| 365 | 104 | 104 | *104 | 104 | 95 | UNCH | .468 | ---- | 1344 | 3923 + | 469 | 520B | 81A |
| 370 | 93 @95 | 95 | 91 | 91 | 77 | UNCH | .400 | ---- | 717 | 9242 + | 447 | 503B | 66A |
| 375 | ---- | ---- | ---- | 63N | 64 + | 1 | .341 | ---- | 443 | 8238 + | 112 | 465B | 55A |
| 380 | 57 | 57 | *57 | 57 | 53 + | 1 | .289 | ---- | 3630 | 15207 + | 1020 | 424B | 45A |
| 385 | ---- | ---- | ---- | 43N | 44 + | 1 | .246 | ---- | 375 | 9588 + | 30 | 386B | 36A |
| 390 | 37 | 37 | *37 | 37 | 36 + | 1 | .208 | ---- | 3304 | 18743 - | 1576 | 352B | 31 |
| 395 | ---- | ---- | ---- | 27N | 31 + | 2 | .176 | ---- | 124 | 4318 - | 77 | 321B | 25 |
| 400 | ---- | ---- | ---- | 23N | 24 + | 1 | .145 | ---- | 1613 | 18241 + | 536 | 293B | 22 |
| 405 | ---- | ---- | ---- | 17N | 21 + | 2 | .124 | ---- | 124 | 7782 | UNCH | 266B | 17 |
| 410 | ---- | ---- | ---- | 15N | 17 + | 2 | .108 | ---- | 592 | 12488 - | 129 | 243B | 15 |
| 415 | ---- | ---- | ---- | 13N | 15 + | 2 | .093 | ---- | 507 | 5143 + | 409 | 222B | 13 |
| 420 | ---- | ---- | ---- | 11N | 13 + | 2 | .079 | ---- | 415 | 20635 + | 18 | 203 | 12 |
| 425 | ---- | ---- | ---- | 10N | 11 + | 1 | .066 | ---- | 305 | 7911 + | 77 | 186B | 10 |
| 430 | ---- | ---- | ---- | 7N | 10 + | 1 | .058 | ---- | 337 | 8092 + | 2 | 171B | 7 |
| 435 | ---- | ---- | ---- | 6N | 7 + | 1 | .050 | ---- | 223 | 3149 + | 39 | 155B | 7A |
| 440 | ---- | ---- | ---- | 5N | 7 + | 2 | .048 | ---- | 453 | 6357 + | 59 | 143 | 6 |
| 445 | ---- | ---- | ---- | 5N | 6 + | 1 | .041 | ---- | ---- | 1753 | UNCH | 130B | 5 |
| 450 | ---- | ---- | ---- | 4N | 5 + | 1 | .035 | ---- | 1551 | 12958 - | 826 | 120 | 5 |
| 455 | ---- | ---- | ---- | 4N | 5 + | 1 | .034 | ---- | ---- | 1691 | UNCH | 107B | 4 |
| 460 | ---- | ---- | ---- | 3N | 4 + | 1 | .027 | ---- | 1 | 3106 | UNCH | 97B | 4 |
| 465 | ---- | ---- | ---- | 3N | 3 | UNCH | .021 | ---- | 108 | 1170 + | 8 | 90B | 4 |
| 470 | ---- | ---- | ---- | 2N | 3 + | 1 | .020 | ---- | 1 | 2633 | UNCH | 81B | 3 |
| 475 | ---- | ---- | ---- | 2N | 3 + | 1 | .020 | ---- | 199 | 4497 + | 85 | 73B | 3 |
| 480 | ---- | ---- | ---- | 2N | 3 + | 1 | .019 | ---- | ---- | 7951 | UNCH | 66B | 3 |
| 485 | ---- | ---- | ---- | 2N | 3 + | 1 | .019 | ---- | ---- | 891 | UNCH | 62B | 3 |
| 490 | ---- | ---- | ---- | 2N | 3 + | 1 | .018 | ---- | 3 | 1556 - | 3 | 56 | 2 |
| 495 | ---- | ---- | ---- | 1N | 3 + | 2 | .018 | ---- | 150 | 721 + | 150 | 52B | 2 |
| 500 | ---- | ---- | ---- | 1N | 2 + | 1 | .012 | ---- | 200 | 5085 + | 100 | 47B | 2 |
| 505 | ---- | ---- | ---- | 1N | 2 + | 1 | .012 | ---- | ---- | 639 | UNCH | 44B | 2 |
| 510 | ---- | ---- | ---- | 1N | 1 | UNCH | .007 | ---- | ---- | 1051 | UNCH | 37B | 2 |
| 515 | ---- | ---- | ---- | 1N | 1 | UNCH | .005 | ---- | ---- | 1705 | UNCH | 34B | 1 |
| TOTAL | | | | | | | | | 17066 | 216078 + | 1045 | | |
| SEP18 | CORN CALL | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | 614N | 617 + | 3 | .981 | ---- | ---- | 501 | UNCH | 1184B | 591A |
| 320 | ---- | ---- | ---- | 423N | 425 + | 2 | .931 | ---- | ---- | 11 | UNCH | 986B | 395A |
| 325 | ---- | ---- | ---- | 377N | 381 + | 2 | .908 | ---- | ---- | 18 | UNCH | 797B | 334 |
| 330 | ---- | ---- | ---- | 334N | 336 + | 2 | .870 | ---- | ---- | 88 | UNCH | 890B | 300 |
| 340 | ---- | ---- | ---- | 261N | 260 - | 1 | .777 | ---- | 6 | 24 | UNCH | 793B | 232A |
| 345 | ---- | ---- | ---- | 227N | 226 - | 1 | .718 | ---- | 1 | 33 | UNCH | 603B | 192 |
| 350 | ---- | ---- | ---- | 200N | 196 - | 2 | .657 | ---- | 10 | 457 | UNCH | 697B | 175A |
| 355 | ---- | ---- | ---- | 174N | 172 - | 2 | .596 | ---- | 2 | 544 - | 1 | 533B | 144 |
| 360 | ---- | ---- | ---- | 152N | 151 - | 1 | .539 | ---- | 452 | 4324 + | 176 | 606B | 130 |
| 365 | ---- | ---- | ---- | 132N | 132 | UNCH | .485 | ---- | 155 | 7620 + | 59 | 447B | 115 |
| 370 | ---- | ---- | ---- | 113N | 114 + | 1 | .434 | ---- | 2012 | 9350 + | 757 | 525B | 100 |
| 375 | ---- | ---- | ---- | 97N | 100 + | 1 | .387 | ---- | 112 | 2564 + | 21 | 374B | 86A |
| 380 | ---- | ---- | ---- | 85N | 85 | UNCH | .344 | ---- | 2108 | 27135 + | 1596 | 451B | 75A |
| 385 | ---- | ---- | ---- | 73N | 73 | UNCH | .303 | ---- | 573 | 3902 + | 145 | 314B | 65A |
| 390 | ---- | ---- | ---- | 63N | 63 | UNCH | .268 | ---- | 3180 | 34213 + | 1844 | 385 | 55 |
| 395 | ---- | ---- | ---- | 55N | 54 - | 1 | .236 | ---- | 448 | 7301 + | 115 | 265B | 50A |
| 400 | 55 | 55 | 53 | 53 | 46 - | 1 | .208 | ---- | 4632 | 35778 + | 257 | 430 | 44 |
| 405 | ---- | ---- | ---- | 42N | 42 | UNCH | .186 | ---- | 448 | 3036 + | 210 | 226 | 37A |
| 410 | ---- | ---- | ---- | 36N | 36 | UNCH | .165 | ---- | 431 | 26224 - | 172 | 354 | 34A |
| 415 | ---- | ---- | ---- | 33N | 32 - | 1 | .145 | ---- | 22 | 3891 + | 9 | 221B | 31A |
| 420 | ---- | ---- | ---- | 30N | 27 - | 1 | .129 | ---- | 835 | 25795 - | 293 | 350 | 26 |
| 425 | ---- | ---- | ---- | 25N | 25 | UNCH | .117 | ---- | 1267 | 7430 + | 935 | 172B | 24A |
| 430 | ---- | ---- | ---- | 23N | 23 | UNCH | .106 | ---- | 389 | 17517 + | 111 | 300 | 22A |
| 435 | ---- | ---- | ---- | 21N | 21 | UNCH | .095 | ---- | 147 | 3900 + | 136 | 164 | 21A |
| 440 | ---- | ---- | ---- | 17N | 20 + | 1 | .088 | ---- | 170 | 10397 + | 4 | 310 | 17A |
| 445 | ---- | ---- | ---- | 15N | 16 + | 1 | .078 | ---- | 14 | 1453 - | 8 | 137 | 16A |
| 450 | ---- | ---- | ---- | 14N | 15 + | 1 | .072 | ---- | 1851 | 42198 - | 878 | 225 | 14 |
| 455 | ---- | ---- | ---- | 13N | 14 + | 1 | .066 | ---- | 66 | 1679 + | 3 | 115B | 14 |
| 460 | ---- | ---- | ---- | 13N | 13 | UNCH | .060 | ---- | 236 | 12452 - | 34 | 234 | 13 |
| 465 | ---- | ---- | ---- | 12N | 12 | UNCH | .054 | ---- | 104 | 947 + | 99 | 96 | 12 |
| 470 | ---- | ---- | ---- | 12N | 11 - | 1 | .049 | ---- | 15 | 12174 - | 8 | 164 | 10 |
| 475 | ---- | ---- | ---- | 11N | 11 | UNCH | .048 | ---- | 10 | 596 - | 9 | 82 | 11 |
| 480 | ---- | ---- | ---- | 10N | 10 | UNCH | .043 | ---- | 48 | 11125 - | 33 | 101B | 10A |
| 485 | ---- | ---- | ---- | 7N | 10 + | 1 | .042 | ---- | ---- | 682 | UNCH | 67 | 10A |
| 490 | ---- | ---- | ---- | 7N | 7 | UNCH | .037 | ---- | ---- | 5210 | UNCH | 87B | 6 |
| 495 | ---- | ---- | ---- | 6N | 7 + | 1 | .036 | ---- | ---- | 662 | UNCH | 61 | 7A |
| 500 | ---- | ---- | ---- | 6N | 6 | UNCH | .031 | ---- | 153 | 25463 + | 65 | 104B | 6 |
| 505 | ---- | ---- | ---- | 5N | 6 + | 1 | .031 | ---- | ---- | 863 | UNCH | 45B | 6A |
| 510 | ---- | ---- | ---- | 5N | 6 + | 1 | .030 | ---- | ---- | 3098 | UNCH | 130 | 4 |
| 515 | ---- | ---- | ---- | 5N | 5 | UNCH | .026 | ---- | 1 | 145 | UNCH | 37B | 6A |
| 520 | ---- | ---- | ---- | 5N | 5 | UNCH | .025 | ---- | 3 | 2145 + | 1 | 54B | 5 |
| 530 | ---- | ---- | ---- | 4N | 4 | UNCH | .020 | ---- | ---- | 928 | UNCH | 47B | 4 |
| 540 | ---- | ---- | ---- | 3N | 3 | UNCH | .016 | ---- | ---- | 3023 | UNCH | 42 | 4 |
| 550 | ---- | ---- | ---- | 3N | 3 | UNCH | .015 | ---- | ---- | 7930 | UNCH | 36 | 3 |
| 560 | ---- | ---- | ---- | 2N | 2 | UNCH | .010 | ---- | 9 | 336 | UNCH | 33 | 3 |
| 570 | ---- | ---- | ---- | 2N | 2 | UNCH | .010 | ---- | ---- | 668 | UNCH | 62 | 3A |
| 580 | ---- | ---- | ---- | 2N | 1 - | 1 | .005 | ---- | ---- | 872 | UNCH | 63 | 2 |
| 590 | ---- | ---- | ---- | 2N | 1 - | 1 | .004 | ---- | 2 | 607 | UNCH | 60 | 2A |
| 600 | ---- | ---- | ---- | 1N | 1 | UNCH | .003 | ---- | ---- | 1701 | UNCH | 62 | 2 |
| 610 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | ---- | 1735 | UNCH | 20B | 2A |
| 620 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 1077 | UNCH | 17 | 2 |
| 630 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 1490 | UNCH | 15 | 1A |
| TOTAL | | | | | | | | | 19912 | 373312 + | 5107 | | |
| OCT18 | CORN CALL | | | | | | | | | | | | |
| 375 | ---- | ---- | ---- | 165N | 164 - | 1 | .506 | ---- | ---- | 50 | UNCH | 204 | 151A |
| 380 | ---- | ---- | ---- | 147N | 146 - | 1 | .463 | ---- | ---- | 20 | UNCH | 165B | 134A |
| 385 | ---- | ---- | ---- | 132N | 132 | UNCH | .423 | ---- | 54 | 64 + | 54 | 150B | 121A |
| 390 | ---- | ---- | ---- | 117N | 116 + | NEW | .385 | ---- | 20 | 20 + | 20 | 132B | 107A |
| 395 | ---- | ---- | ---- | 104N | 104 | UNCH | .350 | ---- | ---- | 10 | UNCH | 117B | 96A |
| 400 | ---- | ---- | ---- | 94N | 93 + | NEW | .318 | ---- | 1035 | 1025 + | 1025 | 105B | 84A |
| 405 | ---- | ---- | ---- | 84N | 82 - | 2 | .287 | ---- | 1 | 45 + | 1 | 94B | 75A |
| 410 | ---- | ---- | ---- | 75N | 73 + | NEW | .260 | ---- | 49 | 49 + | 49 | 85B | 67A |
| 415 | ---- | ---- | ---- | 66N | 64 + | NEW | .234 | ---- | 11 | 11 + | 11 | 76B | 62A |
| 420 | ---- | ---- | ---- | 61N | 57 + | NEW | .213 | ---- | 2 | 2 + | 2 | 70B | 55A |
| 430 | ---- | ---- | ---- | 50N | 46 + | NEW | .175 | ---- | 66 | 66 + | 66 | 56B | 45A |
| 450 | ---- | ---- | ---- | 33N | 33 | UNCH | .124 | ---- | 4 | 4 + | 4 | 37B | 32A |
| TOTAL | | | | | | | | | 1242 | 1366 + | 1232 | | |
| DEC18 | CORN CALL | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | 1732N | 1732 | UNCH | 1.000 | ---- | ---- | 8 | UNCH | 2182 | 1722 |
| 250 | ---- | ---- | ---- | 1232N | 1232 | UNCH | .998 | ---- | ---- | 1 | UNCH | 1480 | 1460A |
| 260 | ---- | ---- | ---- | 1132N | 1132 | UNCH | .996 | ---- | ---- | 70 | UNCH | 1410 | 1250 |
| 290 | ---- | ---- | ---- | 833N | 833 | UNCH | .979 | ---- | ---- | 1 | UNCH | 1372B | 806A |
| 310 | ---- | ---- | ---- | 642N | 640 - | 2 | .948 | ---- | ---- | 1 | UNCH | 1174B | 611A |
| 320 | ---- | ---- | ---- | 551N | 546 - | 3 | .916 | ---- | ---- | 15 | UNCH | 1075B | 517A |
| 330 | ---- | ---- | ---- | 465N | 460 - | 5 | .869 | ---- | ---- | 81 | UNCH | 980B | 431A |
| 340 | ---- | ---- | ---- | 391N | 383 - | 6 | .798 | ---- | ---- | 44 | UNCH | 885B | 357A |
| 350 | ---- | ---- | ---- | 327N | 322 - | 5 | .714 | ---- | 4 | 1224 - | 4 | 794B | 283 |
| 360 | ---- | ---- | ---- | 276N | 267 - | 7 | .631 | ---- | 149 | 4347 + | 92 | 730 | 232 |
| 370 | 232 | 236 | 227 | 227 | 226 - | 6 | .552 | ---- | 1583 | 7548 + | 147 | 674 | 203 |
| 380 | 205 | 205 | 205 | 205 | 190 - | 7 | .480 | ---- | 1558 | 15022 + | 1012 | 622 | 162 |
| 390 | ---- | ---- | ---- | 166N | 157 - | 7 | .416 | ---- | 640 | 15105 + | 75 | 530 | 142 |
| 400 | 136 | 136 | 136 | 136 | 133 - | 6 | .360 | ---- | 3560 | 58894 - | 1194 | 516 | 114 |
| 410 | ---- | ---- | ---- | 117N | 112 - | 5 | .310 | ---- | 171 | 12939 - | 94 | 450 | 100 |
| 420 | ---- | ---- | ---- | 100N | 93 - | 5 | .266 | ---- | 585 | 37852 - | 46 | 420 | 80 |
| 430 | 84 | 84 | *84 | 84 | 77 - | 4 | .228 | ---- | 811 | 19683 + | 158 | 380 | 62 |
| 440 | ---- | ---- | ---- | 70N | 65 - | 3 | .196 | ---- | 145 | 23411 - | 15 | 340 | 60 |
| 450 | ---- | ---- | ---- | 57N | 55 - | 2 | .169 | ---- | 1588 | 34505 + | 659 | 380 | 50 |
| 460 | ---- | ---- | ---- | 47N | 46 - | 1 | .145 | ---- | 137 | 14975 - | 5 | 271B | 44 |
| 470 | 43 | 43 | *43 | 43 | 40 - | 1 | .124 | ---- | 348 | 12047 - | 156 | 250 | 36 |
| 480 | ---- | ---- | ---- | 34N | 33 - | 1 | .106 | ---- | 1385 | 25314 - | 367 | 220 | 32 |
| 490 | ---- | ---- | ---- | 30N | 27 - | 1 | .092 | ---- | 319 | 8520 + | 1 | 191 | 26 |
| 500 | ---- | ---- | ---- | 25N | 24 - | 1 | .080 | ---- | 419 | 28203 + | 104 | 210 | 23 |
| 510 | ---- | ---- | ---- | 22N | 21 - | 1 | .069 | ---- | 3 | 3447 + | 1 | 132 | 20 |
| 520 | ---- | ---- | ---- | 17N | 17 | UNCH | .061 | ---- | 8 | 5992 - | 3 | 130 | 16 |
| 530 | ---- | ---- | ---- | 15N | 15 | UNCH | .053 | ---- | ---- | 3188 | UNCH | 124 | 14 |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 540 | ---- | ---- | ---- | 13N | 13 | UNCH | .045 | ---- | 1 | 2305 | UNCH | 102 | 13A |
| 550 | ---- | ---- | ---- | 12N | 12 | UNCH | .041 | ---- | 3 | 4979 + | 1 | 100 | 12 |
| 560 | ---- | ---- | ---- | 11N | 11 | UNCH | .037 | ---- | ---- | 1020 | UNCH | 80 | 10 |
| 570 | ---- | ---- | ---- | 10N | 10 | UNCH | .033 | ---- | ---- | 1532 | UNCH | 64 | 10A |
| 580 | ---- | ---- | ---- | 7N | 7 | UNCH | .029 | ---- | ---- | 9781 | UNCH | 44B | 7A |
| 590 | ---- | ---- | ---- | 6N | 6 | UNCH | .025 | ---- | ---- | 245 | UNCH | 65 | 6A |
| 600 | ---- | ---- | ---- | 5N | 6 + | 1 | .024 | ---- | 25 | 11477 - | 15 | 80 | 5 |
| 610 | ---- | ---- | ---- | 4N | 5 + | 1 | .020 | ---- | ---- | 450 | UNCH | 60 | 5A |
| 620 | ---- | ---- | ---- | 4N | 4 | UNCH | .017 | ---- | ---- | 618 | UNCH | 27B | 4A |
| 630 | ---- | ---- | ---- | 4N | 4 | UNCH | .016 | ---- | ---- | 706 | UNCH | 54 | 4 |
| 640 | ---- | ---- | ---- | 3N | 4 + | 1 | .016 | ---- | ---- | 1368 | UNCH | 24 | 3A |
| 800 | ---- | ---- | ---- | 1N | 1 | UNCH | .004 | ---- | 6 | 689 - | 6 | 6 | 1A |
| TOTAL | | | | | | | | | 13448 | 367607 + | 345 | | |
| MAR19 | | | | | | | | | | | | | |
| 330 | ---- | ---- | ---- | 546N | 560 + | 12 | .869 | ---- | ---- | 1 | UNCH | 630 | 630 |
| 350 | ---- | ---- | ---- | 393N | 411 + | 16 | .754 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | 337N | 353 + | 14 | .685 | ---- | ---- | 2 | UNCH | 500 | 500 |
| 370 | ---- | ---- | ---- | 295N | 304 + | 7 | .615 | ---- | ---- | 35 | UNCH | 406 | 300 |
| 380 | ---- | ---- | ---- | 263N | 264 + | 1 | .550 | ---- | 65 | 1052 + | 57 | 604 | 250 |
| 390 | 244 | 244 | *244 | 244 | 231 - | 4 | .490 | ---- | 32 | 898 + | 26 | 562 | 221A |
| 400 | ---- | ---- | ---- | 210N | 201 - | 7 | .437 | ---- | 307 | 2518 + | 241 | 370 | 160 |
| 410 | ---- | ---- | ---- | 183N | 174 - | 7 | .389 | ---- | 281 | 5344 + | 55 | 446 | 164 |
| 420 | ---- | ---- | ---- | 160N | 151 - | 7 | .345 | ---- | 28 | 1715 + | 28 | 404 | 132 |
| 430 | ---- | ---- | ---- | 137N | 131 - | 6 | .305 | ---- | 18 | 2353 + | 16 | 361B | 114 |
| 440 | ---- | ---- | ---- | 120N | 112 - | 6 | .269 | ---- | 71 | 1855 + | 47 | 330 | 104 |
| 450 | ---- | ---- | ---- | 102N | 95 - | 5 | .236 | ---- | 15 | 1504 + | 11 | 286B | 90 |
| 460 | ---- | ---- | ---- | 86N | 82 - | 4 | .207 | ---- | 150 | 1779 + | 47 | 254B | 76 |
| 470 | ---- | ---- | ---- | 74N | 71 - | 3 | .182 | ---- | 150 | 1441 + | 150 | 225B | 72A |
| 480 | ---- | ---- | ---- | 64N | 61 - | 3 | .160 | ---- | 30 | 958 - | 30 | 200B | 61 |
| 490 | ---- | ---- | ---- | 56N | 52 - | 4 | .140 | ---- | 7 | 1203 + | 3 | 176B | 54 |
| 500 | ---- | ---- | ---- | 51N | 45 - | 4 | .124 | ---- | 35 | 2420 | UNCH | 161 | 40 |
| 510 | ---- | ---- | ---- | 45N | 41 - | 4 | .111 | ---- | ---- | 326 | UNCH | 137B | 40 |
| 520 | ---- | ---- | ---- | 42N | 36 - | 4 | .101 | ---- | ---- | 20 | UNCH | 122B | 35A |
| 530 | ---- | ---- | ---- | 37N | 35 - | 2 | .095 | ---- | ---- | 52 | UNCH | 107B | 30 |
| 540 | ---- | ---- | ---- | 34N | 33 - | 1 | .088 | ---- | ---- | 3 | UNCH | 95B | 31 |
| 550 | ---- | ---- | ---- | 32N | 32 | UNCH | .083 | ---- | ---- | 19 | UNCH | 85B | 26 |
| 560 | ---- | ---- | ---- | 30N | 30 | UNCH | .077 | ---- | ---- | 34 | UNCH | 74 | 16 |
| 570 | ---- | ---- | ---- | 26N | 25 - | 1 | .068 | ---- | ---- | 2 | UNCH | 55 | 30 |
| 580 | ---- | ---- | ---- | 25N | 21 - | 4 | .057 | ---- | ---- | 2 | UNCH | 50 | 32 |
| 590 | ---- | ---- | ---- | 23N | 16 - | 5 | .048 | ---- | ---- | 53 | UNCH | 51 | 31A |
| 600 | ---- | ---- | ---- | 22N | 13 - | 7 | .039 | ---- | ---- | 51 | UNCH | 45 | 24 |
| TOTAL | | | | | | | | | 1189 | 25641 + | 651 | | |
| MAY19 | | | | | | | | | | | | | |
| 380 | ---- | ---- | ---- | 323N | 322 - | 1 | .590 | ---- | 202 | 402 + | 202 | 415 | 320A |
| 390 | ---- | ---- | ---- | 283N | 282 - | 1 | .533 | ---- | 50 | 226 + | 50 | 310 | 280A |
| 400 | ---- | ---- | ---- | 250N | 247 - | 1 | .481 | ---- | 260 | 616 + | 250 | 496 | 240 |
| 410 | ---- | ---- | ---- | 220N | 217 - | 1 | .434 | ---- | 50 | 230 + | 50 | 300 | 210 |
| 420 | ---- | ---- | ---- | 194N | 193 - | 1 | .391 | ---- | 2 | 492 + | 2 | 410 | 184 |
| 430 | ---- | ---- | ---- | 171N | 171 | UNCH | .352 | ---- | 51 | 260 - | 24 | 320B | 166 |
| 440 | 144 | 144 | *144 | 144 | 151 | UNCH | .317 | ---- | 6 | 124 + | 5 | 300 | 142 |
| 450 | ---- | ---- | ---- | 132N | 132 | UNCH | .284 | ---- | ---- | 30 | UNCH | 280 | 100 |
| 460 | ---- | ---- | ---- | 115N | 115 | UNCH | .254 | ---- | ---- | 506 | UNCH | 260 | 225 |
| 470 | ---- | ---- | ---- | 100N | 101 + | 1 | .226 | ---- | ---- | 10 | UNCH | 242 | 154 |
| 480 | ---- | ---- | ---- | 86N | 86 | UNCH | .200 | ---- | 50 | 83 + | 50 | 214 | 214 |
| 490 | ---- | ---- | ---- | 75N | 75 | UNCH | .178 | ---- | ---- | 2 | UNCH | 151B | ---- |
| 500 | ---- | ---- | ---- | 65N | 65 | UNCH | .158 | ---- | ---- | 76 | UNCH | 134B | 120 |
| 510 | ---- | ---- | ---- | 57N | 57 | UNCH | .142 | ---- | ---- | 174 | UNCH | 120B | ---- |
| 520 | ---- | ---- | ---- | 51N | 51 | UNCH | .126 | ---- | ---- | 41 | UNCH | 151B | 46 |
| 550 | ---- | ---- | ---- | 32N | 32 | UNCH | .085 | ---- | ---- | 3 | UNCH | 75B | 30 |
| 560 | ---- | ---- | ---- | 27N | 27 | UNCH | .076 | ---- | ---- | 1 | UNCH | 67B | 30 |
| 570 | ---- | ---- | ---- | 24N | 24 | UNCH | .067 | ---- | ---- | 3 | UNCH | 61B | 30 |
| 580 | ---- | ---- | ---- | 22N | 22 | UNCH | .060 | ---- | ---- | 2 | UNCH | 70 | 34 |
| 590 | ---- | ---- | ---- | 21N | 21 | UNCH | .056 | ---- | ---- | 4 | UNCH | 62 | 40 |
| 600 | ---- | ---- | ---- | 20N | 20 | UNCH | .053 | ---- | ---- | 4 | UNCH | 50 | 22 |
| 610 | ---- | ---- | ---- | 20N | 20 | UNCH | .051 | ---- | ---- | 1 | UNCH | 40B | 40 |
| TOTAL | | | | | | | | | 671 | 3290 + | 585 | | |
| JUL19 | | | | | | | | | | | | | |
| 330 | ---- | ---- | ---- | 700N | 692 - | 6 | .877 | ---- | ---- | 6 | UNCH | 714 | 714 |
| 360 | ---- | ---- | ---- | 483N | 475 - | 6 | .734 | ---- | ---- | 47 | UNCH | 480 | 450 |
| 370 | ---- | ---- | ---- | 427N | 420 - | 7 | .678 | ---- | ---- | 10 | UNCH | 454 | 390 |
| 380 | ---- | ---- | ---- | 380N | 371 - | 7 | .622 | ---- | ---- | 53 | UNCH | 390B | 364 |
| 390 | ---- | ---- | ---- | 336N | 327 - | 7 | .568 | ---- | ---- | 42 | UNCH | 520 | 340 |
| 400 | ---- | ---- | ---- | 300N | 292 - | 6 | .517 | ---- | 32 | 261 + | 7 | 424 | 280 |
| 410 | ---- | ---- | ---- | 265N | 260 - | 5 | .471 | ---- | 64 | 618 + | 63 | 472 | 260 |
| 420 | 224 | 224 | 224 | 224 | 230 - | 5 | .427 | ---- | 4 | 1067 | UNCH | 400 | 210 |
| 430 | 202 | 202 | 202 | 202 | 203 - | 4 | .387 | ---- | 2 | 1158 | UNCH | 374 | 182 |
| 440 | ---- | ---- | ---- | 184N | 181 - | 3 | .351 | ---- | ---- | 4157 | UNCH | 375B | 150 |
| 450 | ---- | ---- | ---- | 163N | 160 - | 3 | .317 | ---- | 14 | 616 + | 14 | 360 | 152 |
| 460 | ---- | ---- | ---- | 144N | 141 - | 3 | .286 | ---- | ---- | 601 | UNCH | 322 | 134 |
| 470 | ---- | ---- | ---- | 127N | 124 - | 3 | .258 | ---- | ---- | 829 | UNCH | 282 | 124 |
| 480 | ---- | ---- | ---- | 114N | 110 - | 4 | .232 | ---- | ---- | 1132 | UNCH | 210 | 135 |
| 490 | ---- | ---- | ---- | 101N | 96 - | 3 | .209 | ---- | ---- | 1622 | UNCH | 200 | 200 |
| 500 | ---- | ---- | ---- | 90N | 85 - | 3 | .188 | ---- | 3 | 349 - | 3 | 210 | 84A |
| 510 | ---- | ---- | ---- | 80N | 75 - | 3 | .169 | ---- | ---- | 49 | UNCH | ---- | ---- |
| 520 | ---- | ---- | ---- | 70N | 66 - | 2 | .152 | ---- | ---- | 87 | UNCH | 112 | 60 |
| 530 | ---- | ---- | ---- | 61N | 60 - | 1 | .136 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 540 | ---- | ---- | ---- | 53N | 53 | UNCH | .123 | ---- | ---- | 10 | UNCH | 100 | 100 |
| 550 | ---- | ---- | ---- | 46N | 46 | UNCH | .111 | ---- | ---- | 52 | UNCH | 50 | 50 |
| 560 | ---- | ---- | ---- | 42N | 42 | UNCH | .100 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 600 | ---- | ---- | ---- | 25N | 26 + | 1 | .067 | ---- | ---- | 213 | UNCH | 70 | 30 |
| 610 | ---- | ---- | ---- | 23N | 23 | UNCH | .059 | ---- | ---- | 3 | UNCH | 60 | 24 |
| TOTAL | | | | | | | | | 119 | 12994 + | 81 | | |
| SEP19 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | 304N | 291 - | 13 | .500 | ---- | ---- | 224 | UNCH | ---- | ---- |
| 410 | ---- | ---- | ---- | 271N | 260 - | 11 | .457 | ---- | ---- | 250 | UNCH | 350B | ---- |
| 440 | ---- | ---- | ---- | 190N | 182 - | 6 | .344 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 450 | ---- | ---- | ---- | 166N | 161 - | 5 | .311 | ---- | ---- | 1000 | UNCH | ---- | ---- |
| 460 | ---- | ---- | ---- | 147N | 142 - | 5 | .281 | ---- | ---- | 1627 | UNCH | 164 | 162 |
| 470 | ---- | ---- | ---- | 132N | 125 - | 5 | .254 | ---- | ---- | 200 | UNCH | ---- | ---- |
| 480 | ---- | ---- | ---- | 116N | 112 - | 4 | .230 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 500 | ---- | ---- | ---- | 93N | 90 - | 3 | .189 | ---- | ---- | 8 | UNCH | 114 | 114 |
| 510 | ---- | ---- | ---- | 83N | 80 - | 3 | .171 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 520 | ---- | ---- | ---- | 74N | 72 - | 2 | .156 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 3343 | | | |
| DEC19 | | | | | | | | | | | | | |
| 370 | ---- | ---- | ---- | 453N | 435 - | 16 | .677 | ---- | ---- | 15 | UNCH | 460 | 460 |
| 380 | ---- | ---- | ---- | 404N | 386 - | 16 | .623 | ---- | ---- | 102 | UNCH | ---- | ---- |
| 390 | ---- | ---- | ---- | 361N | 344 - | 15 | .572 | ---- | ---- | 2 | UNCH | 430 | 430 |
| 400 | 302 | 302 | *302 | 302 | 306 - | 13 | .523 | ---- | 4 | 1343 + | 2 | 460 | 280 |
| 410 | ---- | ---- | ---- | 284N | 273 - | 11 | .478 | ---- | ---- | 576 | UNCH | 360B | 260 |
| 420 | ---- | ---- | ---- | 251N | 242 - | 7 | .435 | ---- | 631 | 2176 + | 448 | 362 | 226 |
| 430 | ---- | ---- | ---- | 221N | 214 - | 5 | .395 | ---- | ---- | 1133 | UNCH | 320 | 200 |
| 440 | ---- | ---- | ---- | 195N | 191 - | 4 | .359 | ---- | 1 | 1196 + | 1 | 286 | 172 |
| 450 | ---- | ---- | ---- | 174N | 171 - | 3 | .327 | ---- | 20 | 620 | UNCH | 262 | 130A |
| 460 | ---- | ---- | ---- | 156N | 153 - | 3 | .298 | ---- | ---- | 1236 | UNCH | 236 | 136 |
| 470 | ---- | ---- | ---- | 142N | 137 - | 3 | .272 | ---- | ---- | 1477 | UNCH | 220B | 140 |
| 480 | ---- | ---- | ---- | 127N | 125 - | 2 | .249 | ---- | ---- | 742 | UNCH | 190B | 127 |
| 490 | ---- | ---- | ---- | 116N | 114 - | 2 | .228 | ---- | ---- | 30 | UNCH | ---- | ---- |
| 500 | ---- | ---- | ---- | 105N | 103 - | 2 | .208 | ---- | 1 | 4589 | UNCH | 170 | 80 |
| 510 | ---- | ---- | ---- | 95N | 93 - | 2 | .190 | ---- | ---- | 38 | UNCH | 110 | 100 |
| 520 | ---- | ---- | ---- | 85N | 83 - | 2 | .172 | ---- | ---- | 474 | UNCH | 120 | 94 |
| 530 | ---- | ---- | ---- | 76N | 74 - | 2 | .157 | ---- | ---- | 28 | UNCH | 104 | 80 |
| 550 | ---- | ---- | ---- | 61N | 60 - | 1 | .129 | ---- | ---- | 203 | UNCH | 73 | 42 |
| 580 | ---- | ---- | ---- | 43N | 42 - | 1 | .095 | ---- | ---- | 26 | UNCH | 34 | 30 |
| 590 | ---- | ---- | ---- | 37N | 36 - | 1 | .085 | ---- | ---- | 25 | UNCH | 35 | 30 |
| 600 | ---- | ---- | ---- | 33N | 32 - | 1 | .075 | ---- | ---- | 46 | UNCH | 40 | 30 |
| 610 | ---- | ---- | ---- | 30N | 27 - | 1 | .068 | ---- | ---- | 1 | UNCH | 30 | 30 |
| TOTAL | | | | | | | | | 657 | 16078 + | 451 | | |
| JUL20 | | | | | | | | | | | | | |
| 420 | ---- | ---- | ---- | 327N | 321 - | 6 | .524 | ---- | ---- | 34 | UNCH | 380 | 380 |
| 480 | ---- | ---- | ---- | 194N | 190 - | 4 | .323 | ---- | ---- | 2 | UNCH | 200 | 182 |
| TOTAL | | | | | | | | | 0 | 36 | | | |
| DEC20 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | 432N | 426 - | 4 | .594 | ---- | ---- | 1 | UNCH | 460 | 460 |
| 420 | ---- | ---- | ---- | 372N | 366 - | 4 | .516 | ---- | ---- | 39 | UNCH | 380 | 300 |
| 450 | ---- | ---- | ---- | 281N | 276 - | 3 | .414 | ---- | ---- | 30 | UNCH | 280B | 250 |
| TOTAL | | | | | | | | | 0 | 70 | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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## FINAL



### CORN WEEKLY CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C WK1 CALL | | | | | | | | | | | |
| JUL18 | C WK1 CALL | | | | | | | | | | |
| 355 | ---- | ---- | ---- | 107N | 106 - 1 | .668 | ---- | 8 | 13 + 8 | 210B | 87A |
| 360 | ---- | ---- | ---- | 81N | 76 - 3 | .551 | ---- | ---- | 1 UNCH | 202B | 65A |
| 365 | ---- | ---- | ---- | 57N | 54 - 3 | .431 | ---- | 3 | 4 + 3 | 192B | 47A |
| 370 | ---- | ---- | ---- | 42N | 37 - 3 | .325 | ---- | 6 | 9 + 6 | 193B | 35A |
| 385 | ---- | ---- | ---- | 14N | 13 - 1 | .124 | ---- | 1 | 122 UNCH | 116B | 14A |
| 390 | ---- | ---- | ---- | 11N | 10 - 1 | .090 | ---- | ---- | 1001 UNCH | 97B | 10 |
| 395 | ---- | ---- | ---- | 7N | 6 - 1 | .066 | ---- | ---- | 61 UNCH | 82B | 12A |
| 405 | ---- | ---- | ---- | 4N | 3 - 1 | .033 | ---- | ---- | 122 UNCH | 55B | 7A |
| 430 | ---- | ---- | ---- | 1N | 1 UNCH | .009 | ---- | 1 | 1 + 1 | 10B | 1 |
| TOTAL | | | | | | | | 19 | 1334 + 18 | | |
| C WK2 CALL | | | | | | | | | | | |
| JUL18 | C WK2 CALL | | | | | | | | | | |
| 335 | ---- | ---- | ---- | 275N | 277 + 2 | .904 | ---- | ---- | 5 UNCH | 302B | 243A |
| TOTAL | | | | | | | | 0 | 5 | | |
| C WK5 CALL | | | | | | | | | | | |
| JUN18 | C WK5 CALL | | | | | | | | | | |
| 355 | ---- | ---- | ---- | 96N | 95 - 1 | .726 | ---- | ---- | 31 UNCH | 333B | 74A |
| 360 | ---- | ---- | ---- | 66N | 64 - 2 | .567 | ---- | 51 | 217 + 49 | 286B | 52A |
| 365 | ---- | ---- | ---- | 44N | 40 - 4 | .391 | ---- | 226 | 368 + 223 | 246B | 34A |
| 370 | ---- | ---- | ---- | 27N | 23 - 4 | .238 | ---- | 13 | 51 + 9 | 220B | 22A |
| 375 | ---- | ---- | ---- | 16N | 12 - 4 | .123 | ---- | 260 | 1024 + 160 | 182B | 12 |
| 380 | ---- | ---- | ---- | 10N | 5 - 3 | .056 | ---- | ---- | 1368 UNCH | 150B | 10 |
| 385 | 6 | 6 | 6 | 6 | 3 - 2 | .028 | ---- | 1000 | 1270 + 1000 | 122B | 5A |
| 390 | ---- | ---- | ---- | 3N | 1 - 2 | .007 | ---- | 62 | 102 + 62 | 102B | 2 |
| 395 | ---- | ---- | ---- | 1N | 1 UNCH | .002 | ---- | ---- | 100 UNCH | 101 | 5A |
| 400 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 143 UNCH | 85 | 1 |
| 405 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 3 UNCH | 60B | 4A |
| 420 | ---- | ---- | ---- | 1N | 1 UNCH | ---- | ---- | ---- | 2 UNCH | 41 | 5A |
| TOTAL | | | | | | | | 1612 | 4679 + 1503 | | |

### CORN PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CORN PUT | | | | | | | | | | | |
| AUG18 | CORN PUT | | | | | | | | | | |
| 280 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 66 UNCH | 2 | 1 |
| 285 | ---- | ---- | ---- | 1N | 1 UNCH | .001 | ---- | ---- | 57 UNCH | 2 | 1 |
| 290 | ---- | ---- | ---- | 1N | 1 UNCH | .003 | ---- | ---- | 111 UNCH | 3 | 1A |
| 295 | ---- | ---- | ---- | 1N | 1 UNCH | .006 | ---- | ---- | 484 UNCH | 3B | 1 |
| 300 | ---- | ---- | ---- | 1N | 1 UNCH | .010 | ---- | ---- | 217 UNCH | 5 | 1A |
| 305 | ---- | ---- | ---- | 2N | 2 UNCH | .019 | ---- | ---- | 164 UNCH | 12 | 1 |
| 310 | ---- | ---- | ---- | 2N | 2 UNCH | .021 | ---- | 3 | 398 + 2 | 12 | 1 |
| 315 | ---- | ---- | ---- | 3N | 3 UNCH | .031 | ---- | 1 | 567 - 1 | 17 | 1 |
| 320 | ---- | ---- | ---- | 4N | 4 UNCH | .042 | ---- | 5 | 657 + 1 | 27 | 1 |
| 325 | ---- | ---- | ---- | 6N | 5 - 1 | .054 | ---- | 157 | 1301 + 54 | 40 | 1 |
| 330 | ---- | ---- | ---- | 11N | 10 - 1 | .081 | ---- | 95 | 2377 + 3 | 50 | 1 |
| 335 | ---- | ---- | ---- | 16N | 14 - 2 | .117 | ---- | 426 | 1980 - 116 | 62 | 2 |
| 340 | ---- | ---- | ---- | 25N | 22 - 3 | .165 | ---- | 125 | 4089 + 11 | 92 | 2 |
| 345 | ---- | ---- | ---- | 37N | 34 - 3 | .230 | ---- | 205 | 2625 + 102 | 111 | 3 |
| 350 | ---- | ---- | ---- | 56N | 51 - 5 | .303 | ---- | 583 | 6070 + 187 | 143 | 3A |
| 355 | ---- | ---- | ---- | 77N | 72 - 5 | .381 | ---- | 2792 | 6840 + 1644 | 171 | 4 |
| 360 | ---- | ---- | ---- | 103N | 97 - 4 | .459 | ---- | 1089 | 9502 + 886 | 200 | 5A |
| 365 | ---- | ---- | ---- | 133N | 127 - 4 | .531 | ---- | 59 | 7261 - 4 | 205 | 7A |
| 370 | ---- | ---- | ---- | 165N | 161 - 4 | .599 | ---- | 113 | 5311 - 107 | 282 | 12 |
| 375 | ---- | ---- | ---- | 201N | 196 - 3 | .658 | ---- | 6 | 4133 UNCH | 316 | 17 |
| 380 | ---- | ---- | ---- | 240N | 235 - 3 | .710 | ---- | 57 | 6791 - 50 | 317 | 25A |
| 385 | ---- | ---- | ---- | 280N | 275 - 3 | .753 | ---- | ---- | 6734 UNCH | 362 | 34 |
| 390 | ---- | ---- | ---- | 322N | 317 - 3 | .791 | ---- | 23 | 4230 - 9 | 450 | 51 |
| 395 | ---- | ---- | ---- | 364N | 362 - 2 | .823 | ---- | 24 | 2664 UNCH | 415B | 67A |
| 400 | ---- | ---- | ---- | 410N | 406 - 2 | .854 | ---- | 26 | 6088 - 1 | 480 | 90A |
| 405 | ---- | ---- | ---- | 455N | 453 - 2 | .875 | ---- | 16 | 522 - 1 | 503B | 114A |
| 410 | ---- | ---- | ---- | 502N | 500 - 2 | .891 | ---- | 56 | 2397 - 10 | 605 | 141 |
| 415 | ---- | ---- | ---- | 550N | 546 - 2 | .906 | ---- | ---- | 547 UNCH | 595B | 171A |
| 420 | ---- | ---- | ---- | 596N | 594 - 2 | .920 | ---- | ---- | 703 UNCH | 673 | 202A |
| 425 | ---- | ---- | ---- | 645N | 642 - 3 | .933 | ---- | ---- | 474 UNCH | 690B | 235A |
| 430 | ---- | ---- | ---- | 694N | 691 - 3 | .941 | ---- | ---- | 64 UNCH | 736B | 271A |
| 435 | ---- | ---- | ---- | 743N | 741 - 2 | .949 | ---- | ---- | 260 UNCH | 785B | 305A |
| 440 | ---- | ---- | ---- | 792N | 790 - 2 | .951 | ---- | ---- | 93 UNCH | 833B | 343A |
| 450 | ---- | ---- | ---- | 891N | 887 - 2 | .964 | ---- | ---- | 10 UNCH | 931B | 420A |
| 460 | ---- | ---- | ---- | 991N | 985 - 4 | .972 | ---- | ---- | 21 UNCH | 1030B | 501A |
| 465 | ---- | ---- | ---- | 1040N | 1035 - 3 | .978 | ---- | ---- | 5 UNCH | 1080B | 542A |
| 470 | ---- | ---- | ---- | 1087N | 1084 - 3 | .979 | ---- | ---- | 4 UNCH | 1127B | 583A |
| 475 | ---- | ---- | ---- | 1137N | 1134 - 3 | .979 | ---- | ---- | 1 UNCH | 1177B | 625A |
| 490 | ---- | ---- | ---- | 1287N | 1284 - 3 | .981 | ---- | ---- | 12 UNCH | 1326B | 757A |
| TOTAL | | | | | | | | 5861 | 85830 + 2591 | | |
| SEP18 | CORN PUT | | | | | | | | | | |
| 250 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 226 UNCH | 1 | 1 |
| 260 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 224 UNCH | 1 | 1 |
| 270 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 10 UNCH | 1 | 1A |
| 280 | ---- | ---- | ---- | 1N | 1 UNCH | .001 | ---- | ---- | 809 UNCH | 2 | 1 |
| 285 | ---- | ---- | ---- | 2N | 1 + NEW | .003 | ---- | 104 | 104 + 104 | 3B | 1 |
| 290 | ---- | ---- | ---- | 2N | 1 - 1 | .006 | ---- | 4 | 400 - 2 | 10 | 1 |
| 295 | ---- | ---- | ---- | 2N | 1 - 1 | .010 | ---- | ---- | 195 UNCH | 5B | 2 |
| 300 | ---- | ---- | ---- | 3N | 2 - 1 | .018 | ---- | 23 | 912 - 11 | 14 | 1 |
| 305 | ---- | ---- | ---- | 4N | 3 - 1 | .027 | ---- | ---- | 550 UNCH | 12 | 3 |
| 310 | ---- | ---- | ---- | 5N | 4 - 1 | .036 | ---- | 12 | 1937 UNCH | 32 | 1 |
| 315 | ---- | ---- | ---- | 7N | 6 - 1 | .052 | ---- | ---- | 387 UNCH | 25 | 5 |
| 320 | ---- | ---- | ---- | 12N | 10 - 2 | .068 | ---- | 6 | 1314 + 1 | 50 | 2 |
| 325 | ---- | ---- | ---- | 16N | 13 - 3 | .091 | ---- | 206 | 1166 + 89 | 47 | 4 |
| 330 | ---- | ---- | ---- | 23N | 21 - 2 | .129 | ---- | 210 | 5536 + 98 | 71 | 3 |
| 335 | ---- | ---- | ---- | 33N | 30 - 3 | .171 | ---- | 352 | 2469 + 177 | 90 | 5 |
| 340 | ---- | ---- | ---- | 47N | 42 - 5 | .222 | ---- | 1233 | 9896 + 625 | 112 | 5 |
| 345 | ---- | ---- | ---- | 65N | 60 - 5 | .281 | ---- | 253 | 2679 + 158 | 140 | 6 |
| 350 | ---- | ---- | ---- | 86N | 81 - 5 | .342 | ---- | 698 | 16888 + 285 | 175 | 10 |
| 355 | ---- | ---- | ---- | 112N | 105 - 5 | .403 | ---- | 179 | 3340 + 109 | 190 | 13 |
| 360 | 126 | 126 | 126 | 126 | 133 - 5 | .460 | ---- | 2087 | 23228 + 1003 | 231 | 16A |
| 365 | ---- | ---- | ---- | 170N | 164 - 4 | .514 | ---- | 76 | 5142 + 16 | 233 | 22 |
| 370 | ---- | ---- | ---- | 201N | 196 - 3 | .565 | ---- | 1341 | 18001 + 985 | 306 | 27 |
| 375 | ---- | ---- | ---- | 235N | 231 - 4 | .612 | ---- | 47 | 3243 - 32 | 332 | 41A |
| 380 | ---- | ---- | ---- | 273N | 266 - 5 | .655 | ---- | 177 | 22230 - 17 | 380 | 51 |
| 385 | ---- | ---- | ---- | 311N | 305 - 4 | .696 | ---- | 6 | 2682 UNCH | 410 | 70 |
| 390 | ---- | ---- | ---- | 350N | 344 - 4 | .731 | ---- | 73 | 20648 - 48 | 461 | 84A |
| 395 | ---- | ---- | ---- | 392N | 385 - 5 | .763 | ---- | ---- | 1529 UNCH | 476 | 112A |
| 400 | ---- | ---- | ---- | 434N | 430 - 4 | .791 | ---- | 35 | 21927 - 31 | 557 | 130 |
| 405 | ---- | ---- | ---- | 477N | 473 - 4 | .813 | ---- | ---- | 514 UNCH | 527B | 170 |
| 410 | ---- | ---- | ---- | 523N | 517 - 4 | .834 | ---- | 260 | 11685 - 30 | 571B | 183A |
| 415 | ---- | ---- | ---- | 570N | 563 - 5 | .854 | ---- | ---- | 318 UNCH | 615B | 225 |
| 420 | ---- | ---- | ---- | 615N | 610 - 5 | .870 | ---- | 100 | 1493 UNCH | 661 | 244A |
| 425 | ---- | ---- | ---- | 662N | 656 - 4 | .882 | ---- | ---- | 483 UNCH | 705B | 293A |
| 430 | ---- | ---- | ---- | 710N | 704 - 4 | .893 | ---- | ---- | 1000 UNCH | 752B | 312A |
| 435 | ---- | ---- | ---- | 756N | 752 - 4 | .904 | ---- | ---- | 2 UNCH | 797B | 421A |
| 440 | ---- | ---- | ---- | 804N | 800 - 4 | .911 | ---- | ---- | 273 UNCH | 845B | 382A |
| 445 | ---- | ---- | ---- | 852N | 847 - 3 | .921 | ---- | ---- | 3 UNCH | 893B | 467A |
| 450 | ---- | ---- | ---- | 900N | 895 - 3 | .927 | ---- | ---- | 473 UNCH | 977 | 456A |
| 455 | ---- | ---- | ---- | 950N | 944 - 4 | .933 | ---- | ---- | 1 UNCH | 990B | 581A |
| 460 | ---- | ---- | ---- | 997N | 993 - 4 | .939 | ---- | ---- | 13 UNCH | 1037B | 535A |
| 465 | ---- | ---- | ---- | 1047N | 1042 - 5 | .945 | ---- | ---- | 21 UNCH | 1083B | 665A |
| 470 | ---- | ---- | ---- | 1096N | 1092 - 4 | .950 | ---- | ---- | 1529 UNCH | 1132B | 616A |
| 480 | ---- | ---- | ---- | 1194N | 1190 - 4 | .956 | ---- | ---- | 17 UNCH | 1230B | 701A |
| 485 | ---- | ---- | ---- | 1243N | 1240 - 3 | .957 | ---- | ---- | 6 UNCH | 1275B | 770 |
| 495 | ---- | ---- | ---- | 1342N | 1337 - 3 | .963 | ---- | ---- | 10 UNCH | 1373B | 931A |
| 500 | ---- | ---- | ---- | 1392N | 1386 - 4 | .968 | ---- | ---- | 713 UNCH | 1423B | 874A |
| 510 | ---- | ---- | ---- | 1491N | 1486 - 3 | .969 | ---- | ---- | 12 UNCH | 1521B | 964A |
| 530 | ---- | ---- | ---- | 1690N | 1684 - 4 | .979 | ---- | ---- | 1 UNCH | 1717B | 1147A |
| 550 | ---- | ---- | ---- | 1887N | 1883 - 4 | .984 | ---- | ---- | 3 UNCH | 1916B | 1335A |
| 560 | ---- | ---- | ---- | 1986N | 1982 - 4 | .989 | ---- | ---- | 1 UNCH | 2016B | 1431A |
| TOTAL | | | | | | | | 7482 | 186243 + 3479 | | |
| OCT18 | CORN PUT | | | | | | | | | | |
| 315 | ---- | ---- | ---- | 6N | 5 - 1 | .039 | ---- | ---- | 11 UNCH | 6B | 5 |
| 330 | ---- | ---- | ---- | 20N | 16 - 2 | .095 | ---- | ---- | 11 UNCH | 20 | 17A |
| 340 | ---- | ---- | ---- | 35N | 32 - 3 | .158 | ---- | ---- | 7 UNCH | ---- | 33A |
| 345 | ---- | ---- | ---- | 47N | 44 - 3 | .201 | ---- | ---- | 32 UNCH | 56B | 43A |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# CORN, CSO CORN, OAT AND ROUGH RICE OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*



## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | ---- | ---- | ---- | 63N | 60 - | 3 | .248 | ---- | 11 | 20 + | 10 | 73B | 56 |
| 355 | ---- | ---- | ---- | 81N | 76 - | 3 | .296 | ---- | 25 | 35 + | 25 | 95B | 73A |
| 360 | ---- | ---- | ---- | 102N | 100 - | 2 | .347 | ---- | 1 | 48 + | 1 | 122B | 94A |
| 365 | ---- | ---- | ---- | 126N | 124 + | NEW | .398 | ---- | 29 | 29 + | 29 | 146B | 116A |
| 370 | ---- | ---- | ---- | 153N | 152 - | 1 | .446 | ---- | 101 | 108 + | 101 | 175B | 142A |
| 375 | ---- | ---- | ---- | 183N | 182 - | 1 | .493 | ---- | 35 | 55 + | 35 | 203B | 170A |
| 380 | ---- | ---- | ---- | 214N | 214 | UNCH | .536 | ---- | ---- | 47 | UNCH | 216B | 200A |
| TOTAL | | | | | | | | | 202 | 403 + | 201 | | |
| DEC18 | | | | | | | | | | | | | |
| 220 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 20 | UNCH | 1 | 1 |
| 240 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 100 | UNCH | 1 | 1 |
| 260 | ---- | ---- | ---- | 1N | 1 | UNCH | .003 | ---- | ---- | 406 | UNCH | 2 | 1 |
| 270 | ---- | ---- | ---- | 1N | 1 | UNCH | .007 | ---- | ---- | 4 | UNCH | 2 | 1A |
| 280 | ---- | ---- | ---- | 2N | 2 | UNCH | .013 | ---- | ---- | 1580 | UNCH | 3 | 1 |
| 290 | ---- | ---- | ---- | 4N | 3 - | 1 | .020 | ---- | ---- | 112 | UNCH | 5B | 1 |
| 300 | ---- | ---- | ---- | 6N | 5 - | 1 | .032 | ---- | ---- | 3002 | UNCH | 40 | 2 |
| 310 | ---- | ---- | ---- | 12N | 10 - | 2 | .051 | ---- | ---- | 15230 | UNCH | 22 | 3 |
| 320 | ---- | ---- | ---- | 21N | 16 - | 3 | .083 | ---- | 41 | 5245 - | 5 | 110 | 4A |
| 330 | ---- | ---- | ---- | 35N | 30 - | 5 | .130 | ---- | 279 | 5684 + | 186 | 150 | 7 |
| 340 | ---- | ---- | ---- | 61N | 53 - | 6 | .201 | ---- | 389 | 12682 + | 134 | 184 | 14 |
| 350 | ---- | ---- | ---- | 96N | 91 - | 5 | .285 | ---- | 1166 | 27303 + | 316 | 180 | 22 |
| 360 | 142 | 142 | 142 | 142 | 136 - | 7 | .368 | ---- | 1589 | 38749 + | 731 | 234 | 34 |
| 370 | 201 | 201 | 194 | 195 | 194 - | 6 | .447 | ---- | 843 | 26671 + | 184 | 272 | 53 |
| 380 | ---- | 257 | 257 | 265N | 256P- | 7 | .519 | ---- | 710 | 27885 + | 53 | 351 | 80 |
| 390 | 325 | 325 | 324 | 324 | 324 - | 7 | .583 | ---- | 119 | 17925 + | 28 | 420 | 113 |
| 400 | ---- | ---- | ---- | 406N | 400 - | 6 | .639 | ---- | 513 | 19223 - | 235 | 490 | 154 |
| 410 | 474 | #474 | 474 | 474 | 476 - | 5 | .689 | ---- | 492 | 8720 - | 293 | 526 | 200 |
| 420 | 544 | #544 | 544 | 544 | 557 - | 5 | .733 | ---- | 133 | 5609 + | 21 | 650 | 261 |
| 430 | ---- | ---- | ---- | 646N | 642 - | 4 | .771 | ---- | ---- | 2373 | UNCH | 730 | 320A |
| 440 | 724 | #724 | 724 | 724 | 730 - | 3 | .803 | ---- | 121 | 3715 - | 120 | 765B | 383A |
| 450 | ---- | ---- | ---- | 821N | 817 - | 2 | .830 | ---- | 5 | 1101 | UNCH | 853B | 451A |
| 460 | ---- | ---- | ---- | 911N | 910 - | 1 | .854 | ---- | ---- | 605 | UNCH | 944B | 521A |
| 470 | ---- | ---- | ---- | 1003N | 1002 - | 1 | .875 | ---- | 9 | 116 | UNCH | 1036B | 594A |
| 480 | ---- | ---- | ---- | 1095N | 1095 | UNCH | .893 | ---- | ---- | 597 | UNCH | 1131B | 671A |
| 490 | ---- | ---- | ---- | 1191N | 1190 - | 1 | .907 | ---- | ---- | 29 | UNCH | 1226B | 751A |
| 500 | ---- | ---- | ---- | 1286N | 1285 - | 1 | .919 | ---- | 20 | 339 - | 16 | 1322B | 833A |
| 510 | ---- | ---- | ---- | 1383N | 1382 - | 1 | .930 | ---- | ---- | 1 | UNCH | 1420B | 916A |
| 520 | ---- | ---- | ---- | 1480N | 1480 | UNCH | .938 | ---- | ---- | 8 | UNCH | 1516B | 1003A |
| 530 | ---- | ---- | ---- | 1576N | 1576 | UNCH | .946 | ---- | ---- | 300 | UNCH | 1605B | 1092A |
| 550 | 1772 | #1772 | *1772 | 1772 | 1773 + | 1 | .958 | ---- | 7 | 125 | UNCH | 1803B | 1272A |
| 640 | ---- | ---- | ---- | 2666N | 2666 | UNCH | .983 | ---- | ---- | 4 | UNCH | 2680 | 2246A |
| 800 | ---- | ---- | ---- | 4266N | 4266 | UNCH | .995 | ---- | ---- | 2 | UNCH | 3966 | 3762 |
| TOTAL | | | | | | | | | 6436 | 225465 + | 984 | | |
| MAR19 | | | | | | | | | | | | | |
| 320 | ---- | ---- | ---- | 15N | 23 + | 6 | .089 | ---- | ---- | 8 | UNCH | 12B | 10 |
| 330 | ---- | ---- | ---- | 24N | 36 + | 12 | .130 | ---- | ---- | 211 | UNCH | 36B | 21A |
| 340 | ---- | ---- | ---- | 42N | 56 + | 14 | .181 | ---- | 16 | 172 + | 16 | 90 | 24 |
| 350 | ---- | ---- | ---- | 70N | 86 + | 16 | .245 | ---- | 7 | 2653 + | 7 | 140 | 20 |
| 360 | ---- | ---- | ---- | 112N | 126 + | 14 | .314 | ---- | 69 | 2650 + | 34 | 154 | 46 |
| 370 | ---- | ---- | ---- | 170N | 177 + | 7 | .384 | ---- | 5 | 5851 + | 5 | 224 | 60 |
| 380 | ---- | ---- | ---- | 235N | 236 + | 1 | .449 | ---- | 121 | 2838 - | 39 | 290 | 84 |
| 390 | ---- | ---- | ---- | 306N | 302 - | 4 | .509 | ---- | 6 | 2167 - | 4 | 323B | 112 |
| 400 | ---- | ---- | ---- | 380N | 371 - | 7 | .562 | ---- | ---- | 1705 | UNCH | 450 | 150 |
| 410 | ---- | ---- | ---- | 453N | 444 - | 7 | .610 | ---- | 221 | 6995 - | 90 | 467B | 204A |
| 420 | ---- | ---- | ---- | 527N | 520 - | 7 | .654 | ---- | ---- | 4386 | UNCH | 543B | 254 |
| 430 | ---- | ---- | ---- | 606N | 597 - | 7 | .694 | ---- | ---- | 2756 | UNCH | 622B | 310 |
| 440 | ---- | ---- | ---- | 685N | 677 - | 6 | .730 | ---- | ---- | 217 | UNCH | 703B | 371A |
| 450 | ---- | ---- | ---- | 767N | 762 - | 5 | .763 | ---- | ---- | 1201 | UNCH | 700 | 434A |
| 460 | ---- | ---- | ---- | 852N | 847 - | 3 | .792 | ---- | ---- | 102 | UNCH | 781 | 501A |
| TOTAL | | | | | | | | | 445 | 33912 - | 71 | | |
| MAY19 | | | | | | | | | | | | | |
| 210 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 50 | UNCH | 1 | 1 |
| 340 | ---- | ---- | ---- | 65N | 65 | UNCH | .178 | ---- | ---- | 1 | UNCH | 54 | 54 |
| 350 | ---- | ---- | ---- | 94N | 94 | UNCH | .232 | ---- | 100 | 304 + | 100 | 50 | 42 |
| 360 | ---- | ---- | ---- | 131N | 131 | UNCH | .290 | ---- | 1 | 501 + | 1 | 117B | 64 |
| 370 | ---- | ---- | ---- | 175N | 175 | UNCH | .350 | ---- | 50 | 392 + | 50 | 110 | 100 |
| 380 | ---- | ---- | ---- | 230N | 227 - | 1 | .409 | ---- | 2 | 508 + | 2 | 117B | 223A |
| 390 | ---- | ---- | ---- | 287N | 286 - | 1 | .466 | ---- | 10 | 72 + | 10 | 283 | 130 |
| 400 | ---- | ---- | ---- | 353N | 352 - | 1 | .518 | ---- | ---- | 142 | UNCH | 290 | 170 |
| 410 | ---- | ---- | ---- | 422N | 421 - | 1 | .565 | ---- | ---- | 34 | UNCH | 413 | 206 |
| 420 | ---- | ---- | ---- | 495N | 494 - | 1 | .608 | ---- | ---- | 151 | UNCH | 374 | 241 |
| 430 | ---- | ---- | ---- | 571N | 571 | UNCH | .647 | ---- | ---- | 139 | UNCH | 352 | 322 |
| TOTAL | | | | | | | | | 163 | 2294 + | 163 | | |
| JUL19 | | | | | | | | | | | | | |
| 330 | ---- | ---- | ---- | 47N | 43 - | 4 | .122 | ---- | ---- | 75 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | 67N | 63 - | 4 | .164 | ---- | ---- | 227 | UNCH | ---- | ---- |
| 350 | ---- | ---- | ---- | 94N | 90 - | 4 | .212 | ---- | 17 | 153 + | 10 | 90 | 40 |
| 360 | ---- | ---- | ---- | 130N | 123 - | 5 | .265 | ---- | 60 | 1521 + | 30 | 116 | 40 |
| 370 | ---- | ---- | ---- | 172N | 165 - | 5 | .321 | ---- | ---- | 1573 | UNCH | 170 | 110 |
| 380 | ---- | ---- | ---- | 222N | 215 - | 5 | .377 | ---- | ---- | 813 | UNCH | 200 | 130 |
| 390 | ---- | ---- | ---- | 277N | 272 - | 5 | .431 | ---- | ---- | 3395 | UNCH | 200 | 113 |
| 400 | ---- | ---- | ---- | 340N | 333 - | 5 | .482 | ---- | 36 | 2171 | UNCH | 334 | 154 |
| 410 | ---- | ---- | ---- | 403N | 400 - | 3 | .528 | ---- | 4 | 461 | UNCH | 400 | 196 |
| 420 | ---- | ---- | ---- | 472N | 467 - | 3 | .572 | ---- | ---- | 586 | UNCH | 466 | 253A |
| 430 | ---- | ---- | ---- | 543N | 541 - | 2 | .612 | ---- | ---- | 223 | UNCH | 344 | 302 |
| 440 | ---- | ---- | ---- | 617N | 615 - | 2 | .648 | ---- | ---- | 1648 | UNCH | 587 | 540 |
| 450 | ---- | ---- | ---- | 695N | 694 - | 1 | .682 | ---- | ---- | 10 | UNCH | 654 | 552 |
| 460 | ---- | ---- | ---- | 775N | 774 - | 1 | .713 | ---- | ---- | 2 | UNCH | 494 | 494 |
| 480 | ---- | ---- | ---- | 942N | 941 - | 1 | .767 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 117 | 12859 + | 40 | | |
| SEP19 | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | 112N | 116 + | 4 | .245 | ---- | ---- | 24 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | 151N | 155 + | 4 | .297 | ---- | ---- | 161 | UNCH | ---- | ---- |
| 370 | ---- | ---- | ---- | 197N | 202 + | 3 | .350 | ---- | ---- | 449 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | 371N | 376 + | 5 | .499 | ---- | ---- | 200 | UNCH | ---- | ---- |
| 410 | ---- | ---- | ---- | 435N | 444 + | 7 | .542 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 420 | ---- | ---- | ---- | 503N | 514 + | 11 | .582 | ---- | ---- | 975 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 2059 | | | |
| DEC19 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | ---- | 100 | UNCH | ---- | ---- |
| 300 | ---- | ---- | ---- | 16N | 16 | UNCH | .053 | ---- | ---- | 4 | UNCH | ---- | ---- |
| 330 | ---- | ---- | ---- | 52N | 50 - | 2 | .130 | ---- | ---- | 201 | UNCH | 24 | 24 |
| 340 | ---- | ---- | ---- | 73N | 71 - | 2 | .171 | ---- | ---- | 28 | UNCH | 82 | 70 |
| 350 | ---- | ---- | ---- | 102N | 97 - | 3 | .218 | ---- | 3 | 3060 + | 3 | 94 | 45 |
| 360 | ---- | ---- | ---- | 137N | 133 - | 4 | .269 | ---- | ---- | 554 | UNCH | 116 | 65 |
| 370 | ---- | ---- | ---- | 181N | 175 - | 4 | .322 | ---- | ---- | 6503 | UNCH | 170 | 90 |
| 380 | ---- | ---- | ---- | 231N | 225 - | 4 | .376 | ---- | 40 | 1235 + | 40 | 220 | 130 |
| 390 | ---- | ---- | ---- | 284N | 281 - | 3 | .427 | ---- | ---- | 132 | UNCH | 200 | 174 |
| 400 | ---- | ---- | ---- | 343N | 341 - | 2 | .476 | ---- | ---- | 1649 | UNCH | 350 | 220 |
| 410 | ---- | ---- | ---- | 404N | 404 | UNCH | .521 | ---- | ---- | 319 | UNCH | 434 | 276 |
| 420 | ---- | ---- | ---- | 467N | 472 + | 3 | .564 | ---- | ---- | 677 | UNCH | 374 | 332 |
| 430 | ---- | ---- | ---- | 536N | 542 + | 4 | .604 | ---- | ---- | 5 | UNCH | 410 | 410 |
| 550 | ---- | ---- | ---- | 1557N | 1570 + | 11 | .870 | ---- | 4 | 4 + | 4 | 1382 | 1344 |
| TOTAL | | | | | | | | | 47 | 14471 + | 47 | | |
| JUL20 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | 240N | 244 + | 4 | .380 | ---- | ---- | 10 | UNCH | 224 | 220 |
| TOTAL | | | | | | | | | 0 | 10 | | | |

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# CORN, CSO CORN, OAT AND ROUGH RICE OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



### CORN WEEKLY PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C WK1 PUT | | | | | | | | | | | |
| JUL18 | C WK1 PUT | | | | | | | | | | |
| 340 | ---- | ---- | ---- | 11N | 6 - 3 | .081 | ---- | ---- | 160 UNCH | 32 | 12A |
| 350 | ---- | ---- | ---- | 30N | 24 - 4 | .227 | ---- | ---- | 426 UNCH | 57B | 24A |
| 355 | ---- | ---- | ---- | 45N | 40 - 5 | .331 | ---- | ---- | 5 UNCH | 82B | 15A |
| 360 | ---- | ---- | ---- | 67N | 60 - 7 | .448 | ---- | ---- | 638 UNCH | 110B | 21A |
| 365 | ---- | ---- | ---- | 95N | 86 - 7 | .568 | ---- | 2 | 24 + 2 | 140B | 26A |
| 370 | ---- | ---- | ---- | 130N | 121 - 7 | .674 | ---- | 1 | 65 + 1 | 174B | 30A |
| 375 | ---- | ---- | ---- | 166N | 160 - 6 | .760 | ---- | 1 | 3 UNCH | 211B | 45A |
| 380 | ---- | ---- | ---- | 207N | 202 - 5 | .823 | ---- | 1 | 2 + 1 | 251B | 67A |
| TOTAL | | | | | | | | 5 | 1323 + 4 | | |
| C WK2 PUT | | | | | | | | | | | |
| JUL18 | C WK2 PUT | | | | | | | | | | |
| 345 | ---- | ---- | ---- | 30N | 24 - 4 | .196 | ---- | ---- | 1 UNCH | 36B | 24A |
| TOTAL | | | | | | | | 0 | 1 | | |
| C WK5 PUT | | | | | | | | | | | |
| JUN18 | C WK5 PUT | | | | | | | | | | |
| 335 | ---- | ---- | ---- | 2N | 1 - 1 | .007 | ---- | ---- | 125 UNCH | 13B | 3 |
| 340 | ---- | ---- | ---- | 5N | 2 - 3 | .019 | ---- | ---- | 1 UNCH | 21B | 4A |
| 345 | ---- | ---- | ---- | 11N | 6 - 3 | .066 | ---- | ---- | 150 UNCH | 32B | 7A |
| 350 | ---- | ---- | ---- | 20N | 14 - 4 | .144 | ---- | 1 | 104 UNCH | 47B | 5A |
| 355 | ---- | ---- | ---- | 34N | 27 - 5 | .273 | ---- | 443 | 936 + 263 | 67B | 7A |
| 360 | ---- | #46B | ---- | 54N | 46P- 6 | .432 | ---- | 142 | 318 + 137 | 93B | 12A |
| 365 | ---- | ---- | ---- | 82N | 72 - 10 | .608 | ---- | 102 | 358 + 102 | 123B | 17A |
| 375 | ---- | ---- | ---- | 154N | 144 - 10 | .876 | ---- | ---- | 6 UNCH | 200B | 24 |
| 380 | ---- | ---- | ---- | 196N | 187 - 7 | .943 | ---- | ---- | 5 UNCH | 241B | 40 |
| TOTAL | | | | | | | | 688 | 2003 + 502 | | |

### CONSECUTIVE CORN CSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CORN NRBY C | | | | | | | | | | | |
| SEP18 | CORN NRBY C | | | | | | | | | | |
| -10 | ---- | ---- | ---- | 7N | 10 + 1 | .356 | ---- | ---- | 60 UNCH | 22B | 12 |
| -5 | ---- | ---- | ---- | 1N | 1 UNCH | .042 | ---- | ---- | 1000 UNCH | 20 | 20 |
| 0 | ---- | ---- | ---- | 1N | 1 UNCH | .001 | ---- | ---- | 248 UNCH | 14B | 10 |
| TOTAL | | | | | | | | 0 | 1308 | | |

### CONSECUTIVE CORN CSO PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CORN NRBY P | | | | | | | | | | | |
| SEP18 | CORN NRBY P | | | | | | | | | | |
| -11 | ---- | ---- | ---- | 22N | 20 - 2 | .546 | ---- | ---- | 900 UNCH | 7 | 6 |
| -10 | ---- | ---- | ---- | 27N | 24 - 3 | .643 | ---- | ---- | 2500 UNCH | 22 | 10 |
| -9 | ---- | ---- | ---- | 35N | 32 - 3 | .720 | ---- | ---- | 200 UNCH | 14 | 14 |
| -8 | ---- | ---- | ---- | 43N | 40 - 3 | .794 | ---- | ---- | 200 UNCH | 20 | 20 |
| -5 | ---- | ---- | ---- | 71N | 65 - 4 | .957 | ---- | ---- | 1000 UNCH | 46 | 40 |
| TOTAL | | | | | | | | 0 | 4800 | | |
| DEC18 | CORN NRBY P | | | | | | | | | | |
| -10 | ---- | ---- | ---- | 14N | 14 UNCH | .454 | ---- | ---- | 70 UNCH | 14 | 12 |
| TOTAL | | | | | | | | 0 | 70 | | |

### DEC-JULY CSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CZ-CN CSO C | | | | | | | | | | | |
| DEC18 | CZ-CN CSO C | | | | | | | | | | |
| -25 | ---- | ---- | ---- | 34N | 32 + NEW | .719 | ---- | 500 | 500 + 500 | ---- | ---- |
| -20 | 14 | 14 | 14 | 14 | 15 + 4 | .355 | ---- | 600 | 660 + 600 | 14 | 14 |
| -15 | ---- | ---- | ---- | 2N | 5 + 3 | .157 | ---- | ---- | 500 UNCH | 20 | 20 |
| -5 | ---- | ---- | ---- | 1N | 1 UNCH | .032 | ---- | ---- | 500 UNCH | 10 | 10 |
| TOTAL | | | | | | | | 1100 | 2160 + 1100 | | |

### DEC-JULY CROP CSO PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CZ-CN CSO P | | | | | | | | | | | |
| DEC18 | CZ-CN CSO P | | | | | | | | | | |
| -25 | ---- | ---- | ---- | 12N | 6 + NEW | .280 | ---- | 500 | 500 + 500 | ---- | ---- |
| -15 | ---- | ---- | ---- | 77N | 81 + 2 | .842 | ---- | ---- | 500 UNCH | 50 | 50 |
| TOTAL | | | | | | | | 500 | 1000 + 500 | | |

### DEC-DEC CROP CSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CZ-CZ CSO C | | | | | | | | | | | |
| DEC18 | CZ-CZ CSO C | | | | | | | | | | |
| -10 | ---- | ---- | ---- | 51N | 60 + 7 | .321 | ---- | ---- | 100 UNCH | 74 | 74 |
| 0 | ---- | ---- | ---- | 32N | 40 + 6 | .224 | ---- | ---- | 1153 UNCH | 164 | 40 |
| 10 | ---- | ---- | ---- | 20N | 24 + 4 | .149 | ---- | ---- | 203 UNCH | 110 | 74A |
| 20 | ---- | ---- | ---- | 10N | 12 + 2 | .085 | ---- | ---- | 500 UNCH | ---- | 45A |
| TOTAL | | | | | | | | 0 | 1956 | | |

### DEC-DEC CORN CSO PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CZ-CZ CSO P | | | | | | | | | | | |
| DEC18 | CZ-CZ CSO P | | | | | | | | | | |
| -30 | ---- | ---- | ---- | 76N | 74 - 2 | .398 | ---- | ---- | 1 UNCH | 60 | 26 |
| -20 | ---- | ---- | ---- | 125N | 123 - 2 | .548 | ---- | ---- | 400 UNCH | 94 | 60 |
| -10 | ---- | ---- | ---- | 194N | 191 - 3 | .678 | ---- | ---- | 200 UNCH | 144B | 110 |
| -5 | ---- | ---- | ---- | 234N | 230 - 4 | .731 | ---- | ---- | 6 UNCH | 176B | ---- |
| 0 | ---- | ---- | ---- | 275N | 271 - 4 | .775 | ---- | ---- | 566 UNCH | 264 | 140 |
| TOTAL | | | | | | | | 0 | 1173 | | |

### OAT CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OATS CALL | | | | | | | | | | | |
| SEP18 | OATS CALL | | | | | | | | | | |
| 240 | ---- | ---- | ---- | 84N | 105 + 21 | .532 | ---- | ---- | 51 UNCH | 127B | 86A |
| 250 | ---- | ---- | ---- | 52N | 66 + 14 | .385 | ---- | ---- | 2 UNCH | 150B | 62A |
| 260 | ---- | ---- | ---- | 32N | 42 + 10 | .266 | ---- | ---- | 3 UNCH | 111B | 35 |
| 270 | ---- | ---- | ---- | 21N | 26 + 5 | .182 | ---- | ---- | 3 UNCH | 86 | 44 |
| 280 | ---- | ---- | ---- | 13N | 16 + 3 | .122 | ---- | ---- | 29 UNCH | 250 | 30 |
| 290 | ---- | ---- | ---- | 7N | 11 + 2 | .081 | ---- | ---- | 2 UNCH | 100B | 24 |
| 300 | ---- | ---- | ---- | 5N | 6 + 1 | .055 | ---- | ---- | 66 UNCH | 60 | 22 |
| 310 | ---- | ---- | ---- | 4N | 5 + 1 | .044 | ---- | ---- | 1 UNCH | 27 | 27 |
| 320 | ---- | ---- | ---- | 3N | 3 UNCH | .028 | ---- | ---- | 1 UNCH | 22 | 22 |
| 330 | ---- | ---- | ---- | 2N | 2 UNCH | .019 | ---- | ---- | 10 UNCH | 26 | 15 |
| 340 | ---- | ---- | ---- | 2N | 2 UNCH | .017 | ---- | ---- | 1 UNCH | 15 | 15 |
| 360 | ---- | ---- | ---- | 1N | 1 UNCH | .005 | ---- | ---- | 2 UNCH | 14 | 10A |
| TOTAL | | | | | | | | 0 | 171 | | |
| DEC18 | OATS CALL | | | | | | | | | | |
| 250 | ---- | ---- | ---- | 105N | 133 + 26 | .479 | ---- | ---- | 3 UNCH | 114 | 100 |
| 260 | ---- | ---- | ---- | 77N | 100 + 21 | .386 | ---- | ---- | 33 UNCH | 180B | 102 |
| 270 | ---- | ---- | ---- | 56N | 74 + 16 | .308 | ---- | ---- | 13 UNCH | 144 | 92A |
| 280 | ---- | ---- | ---- | 43N | 55 + 12 | .243 | ---- | ---- | 50 UNCH | 113B | 66A |
| TOTAL | | | | | | | | 0 | 99 | | |

### OAT PUTS

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# CORN, CSO CORN, OAT AND ROUGH RICE OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OATS PUT | | | | | | | | | | | |
| SEP18 | OATS PUT | | | | | | | | | | |
| 190 | ---- | ---- | ---- | 5N | 3 - 2 | .028 | ---- | ---- | 1 UNCH | 10 | 10 |
| 200 | ---- | ---- | ---- | 11N | 6 - 3 | .055 | ---- | ---- | 2 UNCH | 14 | 10A |
| 210 | ---- | ---- | ---- | 21N | 14 - 5 | .105 | ---- | ---- | 1 UNCH | 32 | 11A |
| 220 | ---- | ---- | ---- | 40N | 30 - 10 | .190 | ---- | ---- | 2 UNCH | 53 | 24A |
| 230 | ---- | ---- | ---- | 71N | 55 - 14 | .315 | ---- | ---- | 1 UNCH | 86 | 47A |
| 240 | ---- | ---- | ---- | 122N | 97 - 23 | .467 | ---- | ---- | 52 UNCH | 137B | 72A |
| TOTAL | | | | | | | | 0 | 59 | | |
| DEC18 | OATS PUT | | | | | | | | | | |
| 180 | ---- | ---- | ---- | 7N | 5 - 2 | .033 | ---- | 3 | 3 UNCH | ---- | 15A |
| 210 | ---- | ---- | ---- | 41N | 31 - 10 | .145 | ---- | 3 | 3 UNCH | ---- | 36A |
| 230 | ---- | ---- | ---- | 105N | 84 - 21 | .316 | ---- | ---- | 52 UNCH | 97 | 81A |
| 240 | ---- | ---- | ---- | 156N | 130 - 26 | .419 | ---- | ---- | 103 UNCH | 130 | 124 |
| 250 | ---- | ---- | ---- | 217N | 185 - 32 | .520 | ---- | ---- | 16 UNCH | 175 | 150 |
| 260 | ---- | ---- | ---- | 290N | 251 - 37 | .613 | ---- | ---- | 11 UNCH | 330 | 180A |
| 270 | ---- | ---- | ---- | 367N | 324 - 43 | .691 | ---- | ---- | 26 UNCH | 170 | 170 |
| 280 | ---- | ---- | ---- | 453N | 406 - 45 | .756 | ---- | ---- | 26 UNCH | 453 | 310 |
| TOTAL | | | | | | | | 6 | 240 | | |

ROUGH RICE CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ROUGH RICE CALL | | | | | | | | | | | |
| AUG18 | ROUGH RICE CALL | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | 152N | 235 + 83 | .335 | ---- | ---- | 2 UNCH | 200B | 35A |
| 1220 | ---- | ---- | ---- | 122N | 190 + 68 | .280 | ---- | ---- | 2 UNCH | 162B | 45 |
| 1240 | ---- | ---- | ---- | 95N | 152 + 57 | .232 | ---- | ---- | 5 UNCH | 115B | 35 |
| 1260 | ---- | ---- | ---- | 75N | 122 + 47 | .191 | ---- | ---- | 1 UNCH | 97B | 52 |
| 1280 | ---- | ---- | ---- | 57N | 97 + 40 | .157 | ---- | ---- | 3 UNCH | 82B | 40 |
| TOTAL | | | | | | | | 0 | 13 | | |
| SEP18 | ROUGH RICE CALL | | | | | | | | | | |
| 1040 | ---- | ---- | ---- | 942N | 1185 + 243 | .841 | ---- | 11 | 10 UNCH | 1100 | 360 |
| 1060 | ---- | ---- | ---- | 812N | 1037 + 225 | .787 | ---- | ---- | 3 UNCH | 800 | 352A |
| 1080 | ---- | ---- | ---- | 695N | 900 + 205 | .730 | ---- | ---- | 66 UNCH | 432B | 250 |
| 1100 | ---- | ---- | ---- | 590N | 775 + 185 | .670 | ---- | ---- | 20 UNCH | 395B | 210 |
| 1120 | ---- | ---- | ---- | 500N | 665 + 165 | .608 | ---- | ---- | 2 UNCH | 430B | 180A |
| 1140 | ---- | ---- | ---- | 422N | 572 + 150 | .547 | ---- | ---- | 1 UNCH | 377B | 105 |
| 1160 | ---- | ---- | ---- | 362N | 495 + 133 | .488 | ---- | ---- | 6 UNCH | 322B | 120A |
| 1180 | ---- | ---- | ---- | 312N | 430 + 118 | .435 | ---- | ---- | 18 UNCH | 380B | 97A |
| 1200 | ---- | ---- | ---- | 275N | 380 + 105 | .389 | ---- | 1 | 145 UNCH | 330 | 90A |
| 1220 | ---- | ---- | ---- | 242N | 335 + 93 | .347 | ---- | ---- | 22 UNCH | 337B | 65 |
| 1300 | ---- | ---- | ---- | 140N | 192 + 52 | .214 | ---- | ---- | 5 UNCH | 130 | 80A |
| 1340 | ---- | ---- | ---- | 110N | 152 + 42 | .171 | ---- | ---- | 10 UNCH | 95 | 55 |
| 1500 | ---- | ---- | ---- | 50N | 72 + 22 | .080 | ---- | ---- | 5 UNCH | 5 | 5 |
| 1600 | ---- | ---- | ---- | 27N | 40 + 13 | .046 | ---- | ---- | 5 UNCH | 2 | 2 |
| TOTAL | | | | | | | | 12 | 318 | | |

ROUGH RICE PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ROUGH RICE PUT | | | | | | | | | | | |
| AUG18 | ROUGH RICE PUT | | | | | | | | | | |
| 980 | ---- | ---- | ---- | 12N | 5 - 7 | .014 | ---- | ---- | 10 UNCH | 100 | 72 |
| 1080 | ---- | ---- | ---- | 202N | 115 - 87 | .208 | ---- | ---- | 100 UNCH | 307B | 140A |
| 1180 | ---- | ---- | ---- | 812N | 610 - 202 | .600 | ---- | ---- | 2 UNCH | ---- | ---- |
| TOTAL | | | | | | | | 0 | 112 | | |
| SEP18 | ROUGH RICE PUT | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | 72N | 40 - 32 | .073 | ---- | ---- | 29 UNCH | 220 | 57A |
| 1020 | ---- | ---- | ---- | 115N | 67 - 48 | .111 | ---- | ---- | 69 UNCH | 330 | 65A |
| 1040 | ---- | ---- | ---- | 170N | 107 - 63 | .158 | ---- | ---- | 92 UNCH | 420B | 57A |
| 1060 | ---- | ---- | ---- | 240N | 160 - 80 | .212 | ---- | ---- | 127 UNCH | 480 | 162A |
| 1080 | ---- | ---- | ---- | 322N | 222 - 100 | .269 | ---- | ---- | 60 UNCH | 500B | 220 |
| 1100 | ---- | ---- | ---- | 417N | 297 - 120 | .329 | ---- | ---- | 145 UNCH | 722 | 200 |
| 1120 | ---- | ---- | ---- | 525N | 387 - 138 | .391 | ---- | ---- | 30 UNCH | 410B | 400 |
| 1140 | ---- | ---- | ---- | 647N | 492 - 155 | .452 | ---- | ---- | 50 UNCH | 375B | 405A |
| 1160 | ---- | ---- | ---- | 785N | 612 - 173 | .511 | ---- | ---- | 25 UNCH | 400B | 160A |
| TOTAL | | | | | | | | 0 | 627 | | |
| JAN19 | ROUGH RICE PUT | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | 995N | 672 - 323 | .662 | ---- | ---- | 55 UNCH | 1425B | 600 |
| TOTAL | | | | | | | | 0 | 55 | | |

ADDITIONAL GRAINS & OIL SEED OPTIONS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW CROP CORN C | | | | | | | | | | | |
| AUG18 | NEW CROP CORN C | | | | | | | | | | |
| 350 | ---- | ---- | ---- | 255N | 253 - 2 | .845 | ---- | ---- | 80 UNCH | 737B | 235A |
| 360 | ---- | ---- | ---- | 183N | 180 - 3 | .715 | ---- | ---- | 25 UNCH | 641B | 156A |
| 365 | ---- | ---- | ---- | 153N | 150 - 3 | .639 | ---- | ---- | 47 UNCH | 593B | 131A |
| 370 | ---- | ---- | ---- | 127N | 124 - 3 | .562 | ---- | ---- | 66 UNCH | 546B | 110A |
| 375 | ---- | ---- | ---- | 106N | 103 - 3 | .489 | ---- | 8 | 36 + 8 | 502B | 91A |
| 380 | ---- | ---- | ---- | 87N | 85 - 2 | .422 | ---- | 121 | 407 + 115 | 496B | 75A |
| 385 | ---- | ---- | ---- | 73N | 71 - 2 | .361 | ---- | 72 | 286 + 72 | 460B | 63A |
| 390 | ---- | ---- | ---- | 61N | 57 - 2 | .307 | ---- | 267 | 757 + 172 | 421B | 52A |
| 395 | ---- | ---- | ---- | 50N | 47 - 1 | .261 | ---- | 10 | 299 + 2 | 383B | 43A |
| 400 | ---- | ---- | ---- | 41N | 40 - 1 | .220 | ---- | 19 | 1555 + 14 | 350B | 36A |
| 405 | ---- | ---- | ---- | 33N | 32 - 1 | .183 | ---- | ---- | 278 UNCH | 317B | 31A |
| 410 | ---- | ---- | ---- | 27N | 26 - 1 | .156 | ---- | 115 | 2098 - 104 | 290B | 25A |
| 415 | ---- | ---- | ---- | 23N | 23 | .134 | ---- | 66 | 1332 - 64 | 263B | 22A |
| 420 | ---- | ---- | ---- | 20N | 20 | .114 | ---- | 564 | 1999 - 98 | 240B | 17A |
| 425 | ---- | ---- | ---- | 15N | 15 | .094 | ---- | 20 | 3880 - 12 | 217B | 15A |
| 430 | ---- | ---- | ---- | 13N | 13 | .080 | ---- | 270 | 4070 - 270 | 200 | 13A |
| 435 | ---- | ---- | ---- | 11N | 12 + 1 | .071 | ---- | ---- | 1189 UNCH | 180 | 12A |
| 440 | ---- | ---- | ---- | 10N | 11 + 1 | .063 | ---- | 1 | 2927 UNCH | 163B | 10 |
| 445 | ---- | ---- | ---- | 7N | 10 + 1 | .056 | ---- | 1 | 398 + 1 | 147B | 10A |
| 450 | ---- | ---- | ---- | 6N | 7 + 1 | .049 | ---- | ---- | 3990 UNCH | 134B | 7A |
| 455 | ---- | ---- | ---- | 5N | 6 + 1 | .042 | ---- | ---- | 89 UNCH | 122B | 6A |
| 460 | ---- | ---- | ---- | 5N | 6 + 1 | .040 | ---- | ---- | 637 UNCH | 111B | 6 |
| 465 | ---- | ---- | ---- | 5N | 5 | .034 | ---- | ---- | 329 UNCH | 101B | 5A |
| 470 | ---- | ---- | ---- | 5N | 5 | .033 | ---- | 13 | 3494 - 11 | 91B | 5 |
| 475 | ---- | ---- | ---- | 4N | 5 + 1 | .032 | ---- | 15 | 443 - 4 | 82B | 5 |
| 480 | ---- | ---- | ---- | 4N | 4 | .026 | ---- | 2 | 422 UNCH | 74B | 4 |
| 485 | ---- | ---- | ---- | 3N | 3 | .020 | ---- | ---- | 104 UNCH | 67B | 4A |
| 490 | ---- | ---- | ---- | 3N | 3 | .019 | ---- | 1 | 305 UNCH | 62B | 4A |
| 495 | ---- | ---- | ---- | 2N | 2 | .014 | ---- | ---- | 164 UNCH | 56B | 3 |
| 500 | ---- | ---- | ---- | 2N | 2 | .013 | ---- | ---- | 303 UNCH | 53 | 3A |
| 505 | ---- | ---- | ---- | 2N | 2 | .013 | ---- | ---- | 13 UNCH | 46B | 3A |
| 510 | ---- | ---- | ---- | 2N | 2 | .013 | ---- | 1 | 21 - 1 | 43B | 2 |
| 515 | ---- | ---- | ---- | 2N | 2 | .012 | ---- | ---- | 3 UNCH | 40B | 4A |
| 520 | ---- | ---- | ---- | 2N | 2 | .012 | ---- | ---- | 16 UNCH | 35B | 5A |
| 525 | ---- | ---- | ---- | 1N | 2 + 1 | .012 | ---- | ---- | 9 UNCH | 33B | 2A |
| 530 | ---- | ---- | ---- | 1N | 2 + 1 | .011 | ---- | ---- | 18 UNCH | 31B | 2A |
| 535 | ---- | ---- | ---- | 1N | 2 + 1 | .011 | ---- | ---- | 54 UNCH | 30B | 4A |
| TOTAL | | | | | | | | 1566 | 32143 - 180 | | |
| SEP18 | NEW CROP CORN C | | | | | | | | | | |
| 350 | ---- | ---- | ---- | 276N | 273 - 3 | .786 | ---- | ---- | 64 UNCH | 741B | 251A |
| 360 | ---- | ---- | ---- | 214N | 211 - 3 | .670 | ---- | ---- | 105 UNCH | 646B | 184 |
| 365 | ---- | ---- | ---- | 187N | 184 - 3 | .611 | ---- | ---- | 12 UNCH | 601B | 166A |
| 370 | ---- | ---- | ---- | 164N | 161 - 3 | .555 | ---- | ---- | 45 UNCH | 562B | 145A |
| 375 | ---- | ---- | ---- | 143N | 140 - 3 | .500 | ---- | 9 | 44 + 9 | 561B | 126A |
| 380 | ---- | ---- | ---- | 124N | 121 - 3 | .449 | ---- | 80 | 566 + 80 | 520B | 111A |
| 385 | ---- | ---- | ---- | 107N | 104 - 3 | .401 | ---- | 107 | 508 + 107 | 481B | 96A |
| 390 | ---- | ---- | ---- | 94N | 91 - 3 | .357 | ---- | 669 | 5657 + 601 | 444B | 85A |
| 395 | ---- | ---- | ---- | 82N | 80 - 2 | .318 | ---- | 28 | 415 + 26 | 412B | 74A |
| 400 | ---- | ---- | ---- | 72N | 70 - 2 | .283 | ---- | 67 | 4648 + 56 | 381B | 64A |
| 405 | ---- | ---- | ---- | 62N | 61 - 1 | .252 | ---- | ---- | 283 UNCH | 352B | 56A |
| 410 | ---- | ---- | ---- | 54N | 52 - 2 | .221 | ---- | 96 | 5282 - 13 | 325B | 50A |
| 415 | ---- | ---- | ---- | 47N | 45 - 2 | .197 | ---- | 72 | 1124 - 65 | 302B | 44A |
| 420 | ---- | ---- | ---- | 42N | 40 - 2 | .173 | ---- | 890 | 4315 - 405 | 280B | 40A |
| 425 | ---- | ---- | ---- | 36N | 35 - 1 | .156 | ---- | 26 | 752 - 1 | 257B | 34 |
| 430 | ---- | ---- | ---- | 33N | 32 - 1 | .140 | ---- | 2 | 4017 - 2 | 240B | 30 |
| 435 | ---- | ---- | ---- | 30N | 27 - 1 | .125 | ---- | 2 | 915 - 2 | 222B | 30A |
| 440 | ---- | ---- | ---- | 25N | 24 - 1 | .110 | ---- | ---- | 3440 UNCH | 224 | 25A |
| 445 | ---- | ---- | ---- | 23N | 22 - 1 | .099 | ---- | 5 | 203 - 2 | 191B | 23A |

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | ---- | ---- | ---- | 21N | 21 | | .092 | ---- | 26 | 12652 - | 10 | 176 | 21 |
| 455 | ---- | ---- | ---- | 17N | 20 + | 1 | .086 | ---- | ---- | 50 | UNCH | 163B | 20A |
| 460 | ---- | ---- | ---- | 16N | 17 + | 1 | .079 | ---- | ---- | 600 | UNCH | 224 | 17A |
| 465 | ---- | ---- | ---- | 15N | 15 | | .070 | ---- | 2 | 37 - | 1 | 140B | 16A |
| 470 | ---- | ---- | ---- | 14N | 14 | | .064 | ---- | ---- | 289 | UNCH | 127B | 15A |
| 475 | ---- | ---- | ---- | 13N | 13 | | .059 | ---- | ---- | 5520 | UNCH | 117B | 14A |
| 480 | ---- | ---- | ---- | 12N | 13 + | 1 | .057 | ---- | ---- | 343 | UNCH | 114 | 13A |
| 485 | ---- | ---- | ---- | 11N | 12 + | 1 | .052 | ---- | ---- | 154 | UNCH | 101B | 12A |
| 490 | ---- | ---- | ---- | 11N | 12 + | 1 | .051 | ---- | ---- | 407 | UNCH | 93B | 12A |
| 495 | ---- | ---- | ---- | 10N | 11 + | 1 | .046 | ---- | 40 | 139 | UNCH | 85B | 10 |
| 500 | ---- | ---- | ---- | 10N | 10 | | .041 | ---- | 7 | 5391 | UNCH | 82 | 10 |
| 505 | ---- | ---- | ---- | 10N | 7 - | 1 | .036 | ---- | ---- | 121 | UNCH | 73B | 10A |
| 510 | ---- | ---- | ---- | 7N | 7 | | .035 | ---- | ---- | 90 | UNCH | 66B | 10A |
| 515 | ---- | ---- | ---- | 6N | 6 | | .031 | ---- | ---- | 25 | UNCH | 62B | 7A |
| 520 | ---- | ---- | ---- | 6N | 6 | | .030 | ---- | ---- | 337 | UNCH | 56B | 7A |
| 525 | ---- | ---- | ---- | 6N | 6 | | .030 | ---- | ---- | 31 | UNCH | 53B | 10A |
| 530 | ---- | ---- | ---- | 5N | 5 | | .025 | ---- | ---- | 115 | UNCH | 50B | 6A |
| 535 | ---- | ---- | ---- | 5N | 5 | | .025 | ---- | ---- | 129 | UNCH | 45B | 6 |
| TOTAL | | | | | | | | | 2128 | 58825 + | 378 | | |
| JAN19 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | 136N | 131 - | 5 | .480 | ---- | ---- | 2459 | UNCH | 147B | |
| 410 | ---- | ---- | ---- | 105N | 102 - | 3 | .387 | ---- | ---- | 50 | UNCH | 105B | |
| 420 | ---- | ---- | ---- | 82N | 77 - | 3 | .309 | ---- | 200 | 264 - | 48 | 137B | |
| 425 | ---- | ---- | ---- | 71N | 65 - | 4 | .271 | ---- | ---- | 301 | UNCH | 122B | 110 |
| 430 | ---- | ---- | ---- | 60N | 55 - | 3 | .238 | ---- | ---- | 4918 | UNCH | 106B | |
| 440 | ---- | ---- | ---- | 43N | 41 - | 2 | .183 | ---- | ---- | 692 | UNCH | 106 | 90 |
| 460 | ---- | ---- | ---- | 24N | 23 - | 1 | .110 | ---- | ---- | 250 | UNCH | 43B | |
| 500 | ---- | ---- | ---- | 12N | 11 - | 1 | .051 | ---- | ---- | 45 | UNCH | 30 | 14 |
| TOTAL | | | | | | | | | 200 | 8979 - | 48 | | |
| MAR19 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | 170N | 163 - | 5 | .491 | ---- | 4 | 193 - | 4 | 180 | 164 |
| 410 | 146 | 146 | *146 | 146 | 131 - | 4 | .411 | ---- | 82 | 152 - | 28 | 206 | 146 |
| 420 | ---- | ---- | ---- | 110N | 104 - | 4 | .342 | ---- | ---- | 108 | UNCH | 172 | 64 |
| 440 | ---- | ---- | ---- | 71N | 66 - | 3 | .234 | ---- | ---- | 7 | UNCH | 120 | 100 |
| TOTAL | | | | | | | | | 86 | 460 - | 32 | | |
| AUG19 | | | | | | | | | | | | | |
| 500 | ---- | ---- | ---- | 34N | 33 - | 1 | .108 | ---- | ---- | 3 | UNCH | | |
| TOTAL | | | | | | | | | 0 | 3 | | | |
| SEP19 | | | | | | | | | | | | | |
| 430 | ---- | ---- | ---- | 136N | 132 - | 4 | .337 | ---- | ---- | 5 | UNCH | 232 | 232 |
| 435 | ---- | ---- | ---- | 124N | 121 - | 3 | .314 | ---- | ---- | 4 | UNCH | 214 | 214 |
| 440 | ---- | ---- | ---- | 114N | 111 - | 3 | .292 | ---- | ---- | 2 | UNCH | 224 | 224 |
| 460 | ---- | ---- | ---- | 80N | 76 - | 2 | .216 | ---- | ---- | 2 | UNCH | | |
| TOTAL | | | | | | | | | 0 | 13 | | | |
| NEW CROP CORN P | | | | | | | | | | | | | |
| AUG18 NEW CROP CORN P | | | | | | | | | | | | | |
| 320 | ---- | ---- | ---- | 2N | 1 - | 1 | .012 | ---- | ---- | 3 | UNCH | 6B | 4A |
| 325 | ---- | ---- | ---- | 3N | 2 - | 1 | .022 | ---- | ---- | 118 | UNCH | 11B | 4A |
| 330 | ---- | ---- | ---- | 4N | 3 - | 1 | .033 | ---- | ---- | 9 | UNCH | 26 | 3A |
| 335 | ---- | ---- | ---- | 5N | 5 | | .052 | ---- | 31 | 60 + | 31 | 22B | 4 |
| 340 | ---- | ---- | ---- | 10N | 7 - | 1 | .072 | ---- | ---- | 38 | UNCH | 31B | 5 |
| 345 | ---- | ---- | ---- | 15N | 13 - | 2 | .107 | ---- | ---- | 52 | UNCH | 53 | 6A |
| 350 | ---- | ---- | ---- | 24N | 21 - | 3 | .154 | ---- | 100 | 841 + | 10 | 84 | 10A |
| 355 | ---- | ---- | ---- | 35N | 32 - | 3 | .214 | ---- | 1 | 148 + | 1 | 112 | 6A |
| 360 | ---- | ---- | ---- | 52N | 46 - | 4 | .284 | ---- | 22 | 569 + | 8 | 130 | 4 |
| 365 | ---- | ---- | ---- | 72N | 66 - | 4 | .360 | ---- | ---- | 335 | UNCH | 116B | 6A |
| 370 | ---- | ---- | ---- | 95N | 92 - | 3 | .437 | ---- | 243 | 1280 + | 233 | 200 | 10A |
| 375 | ---- | ---- | ---- | 124N | 121 - | 3 | .510 | ---- | 23 | 1021 - | 5 | 175B | 13A |
| 380 | ---- | ---- | ---- | 155N | 153 - | 2 | .577 | ---- | 5 | 1307 - | 3 | 262 | 20 |
| 385 | ---- | ---- | ---- | 191N | 187 - | 2 | .638 | ---- | ---- | 371 | UNCH | 295 | 24A |
| 390 | ---- | ---- | ---- | 226N | 225 - | 1 | .692 | ---- | 9 | 1037 | UNCH | 343 | 34 |
| 395 | ---- | ---- | ---- | 265N | 265 | | .738 | ---- | ---- | 465 | UNCH | 321B | 46A |
| 400 | ---- | ---- | ---- | 306N | 306 | | .779 | ---- | 104 | 1275 - | 65 | 420 | 60 |
| 405 | ---- | ---- | ---- | 351N | 350 - | 1 | .816 | ---- | ---- | 289 | UNCH | 403B | 81A |
| 410 | ---- | ---- | ---- | 394N | 394 | | .843 | ---- | ---- | 615 | UNCH | 446B | 102A |
| 415 | ---- | ---- | ---- | 441N | 440 - | 1 | .865 | ---- | ---- | 110 | UNCH | 491B | 126A |
| 420 | ---- | ---- | ---- | 486N | 486 | | .885 | ---- | ---- | 704 | UNCH | 534B | 153A |
| 425 | ---- | ---- | ---- | 533N | 533 | | .905 | ---- | ---- | 15 | UNCH | 581B | 180A |
| 430 | ---- | ---- | ---- | 580N | 580 | | .919 | ---- | ---- | 70 | UNCH | 626B | 211A |
| 450 | ---- | ---- | ---- | 773N | 774 + | 1 | .950 | ---- | 6 | 491 - | 6 | 815B | 351A |
| 455 | ---- | ---- | ---- | 823N | 824 + | 1 | .957 | ---- | ---- | 3 | UNCH | 864B | 387A |
| 480 | ---- | ---- | ---- | 1071N | 1071 | | .973 | ---- | ---- | 4 | UNCH | 1022B | 592A |
| 485 | ---- | ---- | ---- | 1120N | 1121 + | 1 | .979 | ---- | ---- | 4 | UNCH | 1067B | 634A |
| 490 | ---- | ---- | ---- | 1170N | 1170 | | .980 | ---- | ---- | 4 | UNCH | 1112B | 677A |
| 510 | ---- | ---- | ---- | 1367N | 1367 | | .987 | ---- | ---- | 1 | UNCH | 1162B | 856A |
| 525 | ---- | ---- | ---- | 1517N | 1517 | | .987 | ---- | ---- | 1 | UNCH | 1240B | 996A |
| TOTAL | | | | | | | | | 544 | 11240 + | 204 | | |
| SEP18 NEW CROP CORN P | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | 2N | 1 - | 1 | .006 | ---- | ---- | 1 | UNCH | 2B | 2 |
| 315 | ---- | ---- | ---- | 4N | 3 - | 1 | .026 | ---- | ---- | 221 | UNCH | 11B | 1 |
| 320 | ---- | ---- | ---- | 5N | 5 | | .041 | ---- | ---- | 1325 | UNCH | 14B | 4A |
| 325 | ---- | ---- | ---- | 7N | 7 | | .056 | ---- | ---- | 98 | UNCH | 21B | 1 |
| 330 | ---- | ---- | ---- | 12N | 11 - | 1 | .072 | ---- | ---- | 25 | UNCH | 26B | 7A |
| 335 | ---- | ---- | ---- | 15N | 14 - | 1 | .094 | ---- | 2 | 112 | UNCH | 36B | 3 |
| 340 | ---- | ---- | ---- | 23N | 20 - | 3 | .122 | ---- | ---- | 279 | UNCH | 63 | 5A |
| 345 | ---- | ---- | ---- | 32N | 27 - | 3 | .163 | ---- | ---- | 406 | UNCH | 64 | 5 |
| 350 | ---- | ---- | ---- | 45N | 41 - | 4 | .213 | ---- | 142 | 2093 | UNCH | 100 | 6 |
| 355 | ---- | ---- | ---- | 62N | 57 - | 3 | .271 | ---- | 5 | 426 + | 5 | 151 | 11A |
| 360 | ---- | ---- | ---- | 82N | 77 - | 3 | .329 | ---- | 107 | 1676 | UNCH | 125B | 12 |
| 365 | ---- | ---- | ---- | 105N | 102 - | 3 | .388 | ---- | ---- | 296 | UNCH | 193 | 16A |
| 370 | ---- | ---- | ---- | 132N | 127 - | 3 | .444 | ---- | 104 | 793 + | 81 | 197 | 21A |
| 375 | ---- | ---- | ---- | 161N | 156 - | 3 | .499 | ---- | ---- | 1333 | UNCH | 213B | 27A |
| 380 | ---- | ---- | ---- | 192N | 187 - | 3 | .550 | ---- | 216 | 3072 - | 10 | 246B | 36A |
| 385 | ---- | ---- | ---- | 225N | 222 - | 3 | .598 | ---- | ---- | 374 | UNCH | 341 | 47A |
| 390 | ---- | ---- | ---- | 262N | 257 - | 3 | .642 | ---- | ---- | 2071 | UNCH | 390 | 62A |
| 395 | ---- | ---- | ---- | 300N | 296 - | 2 | .681 | ---- | ---- | 678 | UNCH | 352B | 76A |
| 400 | ---- | ---- | ---- | 337N | 336 - | 1 | .716 | ---- | 3 | 2236 - | 2 | 422 | 95A |
| 405 | ---- | ---- | ---- | 377N | 376 - | 1 | .747 | ---- | ---- | 214 | UNCH | 450 | 116A |
| 410 | ---- | ---- | ---- | 421N | 417 - | 2 | .778 | ---- | 21 | 365 - | 12 | 494 | 141A |
| 415 | ---- | ---- | ---- | 464N | 462 - | 2 | .802 | ---- | 1 | 173 | UNCH | 516B | 166A |
| 420 | ---- | ---- | ---- | 507N | 505 - | 2 | .826 | ---- | 12 | 1124 - | 12 | 572 | 194A |
| 425 | ---- | ---- | ---- | 553N | 552 - | 1 | .843 | ---- | ---- | 22 | UNCH | 604B | 224A |
| 430 | ---- | ---- | ---- | 597N | 597 | | .859 | ---- | ---- | 125 | UNCH | 647B | 255A |
| 450 | ---- | ---- | ---- | 786N | 785 - | 1 | .907 | ---- | 5 | 102 - | 5 | 832B | 391A |
| 480 | ---- | ---- | ---- | 1076N | 1077 + | 1 | .942 | ---- | ---- | 105 | UNCH | 1117B | 625A |
| TOTAL | | | | | | | | | 618 | 19745 + | 45 | | |
| JAN19 NEW CROP CORN P | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 3 | UNCH | 1 | 1 |
| 370 | ---- | ---- | ---- | 25N | 26 + | 1 | .167 | ---- | ---- | 2 | UNCH | | |
| 380 | ---- | ---- | ---- | 55N | 60 + | 3 | .285 | ---- | ---- | 333 | UNCH | 30B | |
| 390 | ---- | ---- | ---- | 101N | 105 + | 4 | .407 | ---- | ---- | 211 | UNCH | 94B | 44 |
| 395 | ---- | ---- | ---- | 127N | 133 + | 4 | .465 | ---- | ---- | 765 | UNCH | 120B | 50 |
| 400 | ---- | ---- | ---- | 157N | 165 + | 6 | .519 | ---- | ---- | 199 | UNCH | 156 | 90 |
| 410 | ---- | ---- | ---- | 227N | 235 + | 6 | .612 | ---- | ---- | 383 | UNCH | | |
| 420 | ---- | ---- | ---- | 302N | 311 + | 7 | .690 | ---- | 200 | 263 - | 47 | | |
| TOTAL | | | | | | | | | 200 | 2159 - | 47 | | |
| FEB19 NEW CROP CORN P | | | | | | | | | | | | | |
| 390 | ---- | ---- | ---- | 103N | 107 + | 4 | .408 | ---- | ---- | 5 | UNCH | 60 | 60 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| MAR19 NEW CROP CORN P | | | | | | | | | | | | | |
| 390 | ---- | ---- | ---- | 133N | 137 + | 4 | .417 | ---- | ---- | 23 | UNCH | 70 | 70 |
| 400 | ---- | ---- | ---- | 191N | 196 + | 5 | .508 | ---- | 4 | 187 - | 4 | 160 | 124 |
| 405 | ---- | ---- | ---- | 223N | 231 + | 6 | .549 | ---- | ---- | 1 | UNCH | 190 | 190 |
| 410 | ---- | ---- | ---- | 256N | 264 + | 6 | .588 | ---- | 77 | 148 - | 20 | 146 | 140 |
| 420 | ---- | ---- | ---- | 330N | 336 + | 6 | .657 | ---- | ---- | 33 | UNCH | 201 | 162 |
| 440 | ---- | ---- | ---- | 487N | 496 + | 7 | .765 | ---- | ---- | 59 | UNCH | | |
| TOTAL | | | | | | | | | 81 | 451 - | 24 | | |
| APR19 NEW CROP CORN P | | | | | | | | | | | | | |
| 390 | ---- | ---- | ---- | 135N | 141 + | 4 | .418 | ---- | ---- | 5 | UNCH | 70 | 70 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| MAY19 NEW CROP CORN P | | | | | | | | | | | | | |
| 390 | ---- | ---- | ---- | 127N | 133 + | 4 | .416 | ---- | ---- | 5 | UNCH | 84 | 84 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| JUN19 NEW CROP CORN P | | | | | | | | | | | | | |
| 390 | ---- | ---- | ---- | 140N | 144 + | 4 | .419 | ---- | ---- | 5 | UNCH | 94 | 94 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| JUL19 NEW CROP CORN P | | | | | | | | | | | | | |
| 410 | ---- | ---- | ---- | 291N | 297 + | 6 | .566 | ---- | ---- | 1 | UNCH | 220 | 220 |
| TOTAL | | | | | | | | | 0 | 1 | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# CORN, CSO CORN, OAT AND ROUGH RICE OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP19 | | | | | | | | | | | | | |
| 370 | ---- | ---- | ---- | 104N | 107 + | 3 | .287 | ---- | ---- | 7 | UNCH | 114 | 114 |
| 380 | ---- | ---- | ---- | 144N | 150 + | 4 | .356 | ---- | ---- | 3 | UNCH | | |
| 420 | ---- | ---- | ---- | 381N | 390 + | 7 | .610 | ---- | ---- | 2 | UNCH | 320 | 320 |
| TOTAL | | | | | | | | | 0 | 12 | | | |

OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| CORN CALL | CORN OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| PY | 370 | ---- | ---- | 643 | ---- | ---- | 0.00 |
| PY | 375 | ---- | ---- | 644 | ---- | ---- | 0.00 |
| PY | 385 | ---- | ---- | 1287 | ---- | ---- | 0.00 |
| PY | 395 | ---- | ---- | 1287 | ---- | ---- | 0.00 |
| PY | 415 | ---- | ---- | 1787 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 5648 | 0 | 0 | 0 |
| SEP18 CALL | | | | | | | |
| PY | 380 | ---- | ---- | 520 | ---- | ---- | 0.00 |
| PY | 400 | ---- | ---- | 300 | ---- | ---- | 222.00 |
| PY | 420 | ---- | ---- | 520 | ---- | ---- | 0.00 |
| TOTALS | | 222 | 0 | 1340 | 0 | 0 | 222 |
| DEC18 CALL | | | | | | | |
| PY | 400 | ---- | 500 | 500 | ---- | ---- | 0.00 |
| PY | 420 | ---- | ---- | 2000 | ---- | ---- | 269.00 |
| PY | 450 | ---- | ---- | 4250 | ---- | ---- | 382.00 |
| TOTALS | | 651 | 500 | 6750 | 0 | 0 | 651 |
| DEC19 CALL | | | | | | | |
| PY | 500 | ---- | ---- | 944 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 944 | 0 | 0 | 0 |
| CORN PUT | CORN OPTIONS | | | | | | |
| AUG18 PUT | | | | | | | |
| PY | 335 | ---- | ---- | 643 | ---- | ---- | 0.00 |
| PY | 340 | ---- | ---- | 644 | ---- | ---- | 0.00 |
| PY | 345 | ---- | ---- | 643 | ---- | ---- | 0.00 |
| PY | 350 | ---- | ---- | 644 | ---- | ---- | 0.00 |
| PY | 355 | ---- | ---- | 1287 | ---- | ---- | 0.00 |
| PY | 360 | ---- | ---- | 500 | ---- | ---- | 0.00 |
| PY | 365 | ---- | ---- | 1287 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 5648 | 0 | 0 | 0 |
| DEC18 PUT | | | | | | | |
| PY | 340 | ---- | ---- | 4125 | ---- | ---- | 0.00 |
| PY | 640 | ---- | ---- | ---- | ---- | 2 | 0.00 |
| TOTALS | | 0 | 0 | 4125 | 0 | 2 | 0 |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $4.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|
| SOYBEAN CRUSH OPT | | 06/22 | 07/27 | 08/24 | 09/21 | | 10/26 | 12/21 | 02/22 | 04/26 |
| SOYBEAN OIL FUT | | 07/13 | 08/14 | 09/14 | 10/12 | | 12/14 | 01/14 | 03/14 | 05/14 |
| BON-BOZ CSO OPT | | 06/22 | | | | | | | | |
| SOY OIL NRBY OPT | | 06/22 | 07/27 | 08/24 | 09/21 | | 11/23 | 12/21 | 02/22 | 04/26 |
| WZ-WN CSO OPT | | | | | | | 11/23 | | | |
| WN-WZ CSO OPT | | 06/22 | | | | | | | | |
| WN-WN CSO OPT | | 06/22 | | | | | | | | |
| SOYBEAN OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | 10/26 | | 12/21 | 02/22 | 04/26 |
| SF-SK CSO OPT | | | | | | | | 12/21 | | |
| SOYMEAL OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | | 11/23 | 12/21 | 02/22 | 04/26 |
| SOY MEAL NRBY OPT | | 06/22 | 07/27 | 08/24 | 09/21 | | 11/23 | 12/21 | 02/22 | 04/26 |
| SOYBEAN OIL OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | | 11/23 | 12/21 | 02/22 | 04/26 |
| SOYBEAN FUT | | 07/13 | 08/14 | 09/14 | | 11/14 | | 01/14 | 03/14 | 05/14 |
| SN-SX CSO OPT | | 06/22 | | | | | | | | |
| SX-SX CSO OPT | | | | | | 10/26 | | | | |
| SOYMEAL FUT | | 07/13 | 08/14 | 09/14 | 10/12 | | 12/14 | 01/14 | 03/14 | 05/14 |
| SMN-SMZ CSO OPT | | 06/22 | | | | | | | | |
| SX-SN CSO OPT | | | | | | 10/26 | | | | |
| WHEAT FUT | | 07/13 | | 09/14 | | | 12/14 | | 03/14 | 05/14 |
| WHEAT OPT | 05/25 | 06/22 | 07/27 | 08/24 | 09/21 | | 11/23 | | 02/22 | 04/26 |
| WHEAT NRBY OPT | | 06/22 | | 08/24 | | | 11/23 | | 02/22 | 04/26 |
| | | 06/22 | | 08/24 | | | 11/23 | | 02/22 | 04/26 |
| SOYBN NRBY OPT | | 06/22 | 07/27 | 08/24 | | 10/26 | | 12/21 | 02/22 | 04/26 |

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BCF FUT | | | | | 10/31 | 11/30 | | | 02/28 | | |
| BWF FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | | |
| K7C CALL OPT | | | | 08/24 | | | | | | | |
| ODF OPT | | | | 08/24 | | | | | | | |
| KC HRW OPT | | | 07/27 | 08/24 | | | 11/23 | | | 02/22 | 04/26 |
| NEW CRP SOYBN OPT | | | 07/27 | 08/24 | | | | 12/21 | | 02/22 | |
| SM5 OOC | | | | 08/24 | | | | | | | |
| UME FUT | 06/28 | 07/26 | 08/30 | 09/27 | 10/25 | 11/29 | 12/24 | 01/31 | 02/28 | 03/28 | |
| NEW CRP WHEAT OPT | | | | | | | 11/23 | | | 02/22 | 04/26 |

### SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | MAR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|
| 31 | | 5.8-19.8 | 6.4-19.8 | 7.0-19.6 | 7.0-18.6 | | 7.2-19.0 | 6.8-17.8 | 6.8-16.8 | 7.2-16.0 |
| CO6 | | -13.5-40.0 | | | | | | | | |
| COY | | -11.0-15.0 | -7.0-25.0 | -6.5-38.0 | -16.0-16.0 | | -8.0-5.5 | -8.5-4.5 | -8.5-4.0 | -8.5-2.5 |
| CW6 | | | | | | | -8.5-3.5 | | | |
| CWM | | -9.5-3.5 | | | | | | | | |
| CWN | | -12.5-5.5 | | | | | | | | |
| CZO | 75.0-136.0 | 30.0-162.0 | 44.0-162.0 | 44.0-158.0 | 67.0-115.0 | 30.0-158.0 | | 46.0-158.0 | 46.0-156.0 | 46.0-156.0 |
| KSC | | | | | | | | -6.5-7.0 | | |
| MY | 19.0-60.0 | 14.5-60.0 | 14.5-60.0 | 14.5-60.0 | 14.5-60.0 | | 15.0-60.0 | 15.5-60.0 | 15.5-57.0 | 15.5-57.0 |
| MYC | | -70.0-110.0 | -70.0-115.0 | -60.0-125.0 | -65.0-95.0 | | -60.0-100.0 | -70.0-200.0 | -40.0-125.0 | -65.0-65.0 |
| OYC | 15.5-48.5 | 14.5-54.5 | 14.5-54.0 | 14.5-54.0 | 15.0-54.0 | | 15.0-54.0 | 15.0-53.0 | 15.0-51.5 | 15.5-51.0 |
| SC5 | | -7.5-15.0 | | | | | | | | |
| SCX | | | | | | -7.0-10.5 | | | | |
| SM6 | | -120.0-290. | | | | | | | | |
| SX9 | | | | | | -8.0-7.0 | | | | |
| WZ | 23.0-81.0 | 22.0-100.0 | 36.5-70.0 | 23.0-100.0 | 37.5-65.0 | | 24.0-100.0 | | 24.0-88.0 | 27.0-90.0 |
| WZC | | -2.9-0.7 | | -3.5 | | | -3.0--0.1 | | -2.3-0.7 | -1.6-1.0 |
| XCW | | 2.0-23.0 | | 3.0-24.0 | | | 4.0-24.5 | | 4.0-24.5 | 4.5-24.5 |
| ZSC | | -1.6-1.3 | -1.7-3.4 | -2.2-2.7 | | -2.0-0.8 | | -1.6-2.7 | -1.9-1.7 | -1.9-0.7 |

| | AUG18 | SEP18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|
| K7C | | -3.8--0.7 | | -2.9-0.2 | | | | |
| ODF | | 16.0-58.5 | | | | | | |
| OKE | 36.0-73.0 | 23.0-94.0 | | 10.0-91.0 | | | 25.0-93.0 | 27.0-94.0 |
| SC3 | | | -6.5-6.5 | | | | | |
| SDF | 67.0-131.0 | 67.0-131.0 | | | 69.0-126.0 | 69.0-126.0 | 69.0-126.0 | |
| SM5 | | -80.0-170.0 | | | | | | |
| WDF | | | | 37.5-75.5 | | | 37.5-75.5 | 37.5-75.5 |

### SOYBEAN FUTURES

| SOYBEAN FUT | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | 868'0 | 878'0 | 866'0 | 867'4 + | 0'2 | 7840 | 79561 | 23545 - | 35834 | 106115 | 27250 | 914'0 |
| AUG18 | 874'0 | 883'4 | 871'0 | 873'0 | UNCH | 537 | 73536 | 93524 + | 2094 | 79814 | 112838 | 919'0 |
| SEP18 | 877'6 | 888'2 | 876'6 | 878'4 + | 0'4 | 470 | 15010 | 45038 + | 805 | 15776 | 45562 | 920'6 |
| NOV18 | 888'4 | 897'6 | 886'2 | 889'0 + | 1'4 | 879 | 98480 | 401688 + | 4397 | 89744 | 380819 | 921'6 |
| JAN19 | 898'0 | 906'6 | 896'2A | 898'0 + | 1'2 | 2 | 9642 | 83048 - | 1309 | 7888 | 40499 | 929'4 |
| MAR19 | 902'0 | 911'4 | 900'6A | 903'2 + | 2'2 | 500 | 5671 | 81620 + | 138 | 3699 | 24047 | 936'0 |
| MAY19 | 909'0 | 920'0 | 909'0 | 911'4 + | 2'2 | ---- | 1958 | 43982 - | 345 | 1136 | 13621 | 942'0 |
| JUL19 | 917'4 | 928'0B | 917'4 | 919'4 + | 1'2 | ---- | 2025 | 22705 + | 118 | 1414 | 18469 | 947'4 |
| AUG19 | 918'0 | 922'4B | 918'0 | 918'6 + | 0'6 | ---- | 75 | 477 + | 42 | 17 | 1034 | 947'0 |
| SEP19 | 912'2 | 912'2 | 911'2 | 911'0 + | 1'2 | ---- | 12 | 104 - | 7 | ---- | 65 | 938'4 |
| NOV19 | 907'0 | 914'4B | 904'6A | 907'2 + | 1'6 | 271 | 1900 | 12481 + | 451 | 430 | 8632 | 933'2 |
| JAN20 | ---- | ---- | ---- | 913'2 + | 1'6 | ---- | 3 | 214 + | 1 | ---- | 70 | 938'2 |
| MAR20 | ---- | ---- | ---- | 915'2 + | 1'6 | ---- | ---- | 53 | UNCH | ---- | 7 | 938'2 |
| MAY20 | ---- | ---- | ---- | 919'2 + | 1'4 | ---- | ---- | 30 | UNCH | ---- | 7 | 940'4 |
| JUL20 | ---- | ---- | ---- | 926'2 + | 1'4 | ---- | ---- | 55 | UNCH | ---- | 18 | 944'2 |
| AUG20 | ---- | ---- | ---- | 927'4 + | 1'4 | ---- | ---- | 22 | UNCH | ---- | 7 | 926'6 |
| SEP20 | ---- | ---- | ---- | 920'6 + | 1'4 | ---- | ---- | 22 | UNCH | ---- | 7 | 921'6 |
| NOV20 | 907'0 | 907'0 | 907'0 | 904'2 + | 1'4 | ---- | 1 | 187 + | 1 | 4 | 99 | 926'6 |
| JUL21 | ---- | ---- | ---- | 931'4 + | 1'4 | ---- | ---- | 25 | UNCH | ---- | 5 | 941'0 |
| NOV21 | ---- | ---- | ---- | 910'4 + | 1'4 | ---- | ---- | 24 | UNCH | 2 | 6 | 925'4 |
| TOTAL SOYBEAN FUT | | | | | | 10499 | 287874 | 808844 - | 29448 | 306039 | 673062 | |

### SOYBEAN MEAL FUTURES

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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## FINAL



| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY MEAL FUT | | | | | | | | | | | | |
| JUL18 | 333'3 | 338'3 | 332'8 | 333'9 + | 0'2 | 3463 | 32346 | 14524 - | 9820 | 49090 | 15665 | 294'6 |
| AUG18 | 332'5 | 336'8 | 331'4 | 332'3 - | 0'5 | 2381 | 37235 | 79787 + | 3353 | 34464 | 57589 | 296'6 |
| SEP18 | 332'8 | 336'6 | 331'2 | 332'0 - | 0'9 | 833 | 16372 | 59586 + | 1423 | 12649 | 37396 | 298'1 |
| OCT18 | 332'4 | 336'2 | 330'6 | 331'6 - | 0'8 | ---- | 6870 | 34674 + | 576 | 5874 | 23381 | 298'8 |
| DEC18 | 332'2 | 336'6 | 330'3 | 331'5 - | 1'1 | 988 | 38950 | 191804 + | 1895 | 30853 | 176266 | 299'9 |
| JAN19 | 329'4 | 334'2 | 327'9 | 329'2 - | 1'0 | ---- | 5941 | 41608 + | 334 | 2653 | 20090 | 300'7 |
| MAR19 | 326'0 | 330'2B | 323'4 | 324'4 - | 1'5 | ---- | 6102 | 31211 + | 1830 | 2917 | 17105 | 302'9 |
| MAY19 | 324'3 | 328'5 | 322'0 | 323'0 - | 1'3 | ---- | 2153 | 14826 + | 697 | 782 | 7985 | 303'9 |
| JUL19 | 326'9 | 329'9 | 323'5 | 324'5 - | 1'3 | 1 | 2005 | 15316 + | 481 | 1188 | 12280 | 305'6 |
| AUG19 | 327'5 | 327'9B | 323'7 | 324'1 - | 1'3 | ---- | 231 | 1978 + | 74 | 75 | 2458 | 305'9 |
| SEP19 | 327'0 | 327'9 | 323'0 | 323'4 - | 1'3 | ---- | 317 | 1406 + | 57 | 83 | 1961 | 305'7 |
| OCT19 | 325'4 | 325'6 | 319'9 | 320'7 - | 0'8 | ---- | 207 | 1279 + | 92 | 61 | 2017 | 304'1 |
| DEC19 | 322'2 | 325'1 | 319'6 | 320'4 - | 0'7 | ---- | 1427 | 8896 + | 754 | 448 | 3631 | 304'5 |
| JAN20 | ---- | 322'3B | ---- | 320'2 - | 0'7 | ---- | ---- | 101 | UNCH | ---- | 132 | 305'2 |
| MAR20 | ---- | ---- | ---- | 318'6 - | 0'4 | ---- | ---- | 25 | UNCH | ---- | 24 | 305'9 |
| MAY20 | ---- | ---- | ---- | 320'6 - | 0'1 | ---- | ---- | 1 | UNCH | ---- | 21 | 306'8 |
| JUL20 | 325'9 | 325'9 | *324'2 | 323'0 + | 0'2 | ---- | 320 | 214 + | 199 | ---- | 30 | 307'2 |
| DEC20 | ---- | 320'0B | ---- | 320'0 + | 1'1 | ---- | ---- | 12 | UNCH | ---- | 11 | 306'6 |
| TOTAL SOY MEAL FUT | | | | | | 7666 | 150476 | 497248 + | 1945 | 141137 | 378042 | |

SOYBEAN OIL FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY OIL FUT | | | | | | | | | | | | |
| JUL18 | 28'91 | 29'18 | 28'89 | 29'01 + | 0'7 | 1115 | 51341 | 13470 - | 17005 | 63191 | 15625 | 32'12 |
| AUG18 | 29'03 | 29'29 | 28'98 | 29'13 + | 0'10 | 1223 | 48544 | 75405 + | 4386 | 44037 | 75523 | 32'25 |
| SEP18 | 29'16 | 29'41 | 29'11 | 29'25 + | 0'8 | 1806 | 12254 | 43314 + | 1942 | 18003 | 38356 | 32'36 |
| OCT18 | 29'29 | 29'55 | 29'28A | 29'39 + | 0'8 | 37 | 5945 | 22820 - | 1217 | 7042 | 17565 | 32'40 |
| DEC18 | 29'53 | 29'84 | 29'52 | 29'68 + | 0'9 | 74 | 43410 | 224568 + | 2572 | 48195 | 160331 | 32'56 |
| JAN19 | 29'78 | 30'08 | 29'76 | 29'93 + | 0'11 | ---- | 6010 | 42655 + | 331 | 4742 | 21242 | 32'71 |
| MAR19 | 30'09 | 30'41 | 30'09 | 30'25 + | 0'12 | ---- | 2662 | 32608 - | 296 | 3469 | 17929 | 32'85 |
| MAY19 | 30'40 | 30'74 | 30'40 | 30'58 + | 0'13 | 1000 | 2252 | 13381 + | 823 | 671 | 7336 | 32'93 |
| JUL19 | 30'74 | 31'04B | 30'74 | 30'91 + | 0'13 | ---- | 1657 | 11556 + | 452 | 1233 | 9359 | 32'99 |
| AUG19 | 31'06 | 31'16B | 30'88A | 31'03 + | 0'11 | ---- | 34 | 2573 + | 5 | 117 | 1244 | 32'97 |
| SEP19 | 31'21 | 31'25 | 31'14A | 31'15 + | 0'12 | ---- | 35 | 2243 + | 4 | 185 | 1467 | 32'94 |
| OCT19 | 31'15 | 31'33 | 31'13A | 31'23 + | 0'10 | ---- | 36 | 1563 + | 11 | 42 | 1587 | 32'69 |
| DEC19 | 31'31 | 31'58 | 31'30A | 31'45 + | 0'12 | ---- | 545 | 5036 + | 118 | 427 | 3111 | 32'68 |
| JAN20 | ---- | ---- | ---- | 31'65 + | 0'10 | ---- | 16 | 326 | UNCH | ---- | 169 | 32'77 |
| MAR20 | ---- | ---- | ---- | 31'90 + | 0'12 | ---- | 1 | 276 + | 1 | ---- | 102 | 32'87 |
| MAY20 | ---- | ---- | ---- | 32'09 + | 0'13 | ---- | ---- | 219 | UNCH | ---- | 8 | 32'94 |
| JUL20 | ---- | ---- | ---- | 32'29 + | 0'23 | ---- | 106 | 190 + | 47 | ---- | ---- | 33'01 |
| AUG20 | ---- | ---- | ---- | 32'32 + | 0'23 | ---- | ---- | 25 | UNCH | ---- | ---- | 33'01 |
| SEP20 | ---- | ---- | ---- | 32'32 + | 0'30 | ---- | 61 | 83 + | 60 | ---- | ---- | 33'01 |
| OCT20 | ---- | ---- | ---- | 32'22 + | 0'18 | ---- | ---- | 31 | UNCH | ---- | ---- | 32'99 |
| DEC20 | ---- | ---- | ---- | 32'26 + | 0'24 | ---- | ---- | 44 | UNCH | ---- | ---- | 32'99 |
| TOTAL SOY OIL FUT | | | | | | 5255 | 174909 | 492386 - | 7766 | 191354 | 370954 | |

WHEAT FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT.PRICE & PT. CHGE | | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | | -52 WEEKS (364 DAYS) AGO- VOL. | OPEN INT | SETT. PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEAT FUT | | | | | | | | | | | | |
| JUL18 | 470'0 | 482'2 | 468'6 | 479'4 + | 10'0 | 854 | 29965 | 13935 - | 8251 | 23422 | 14294 | 457'2 |
| SEP18 | 483'0 | 492'2 | 481'6 | 488'4 + | 5'4 | 374 | 75222 | 192929 + | 1496 | 64742 | 200528 | 473'0 |
| DEC18 | 500'0 | 508'4 | 499'2 | 503'6 + | 3'2 | 2 | 37793 | 162778 + | 811 | 17177 | 116014 | 495'2 |
| MAR19 | 516'4 | 525'0B | 516'0 | 519'2 + | 1'4 | 2 | 9999 | 50774 + | 2005 | 5882 | 37482 | 510'0 |
| MAY19 | 528'4 | 536'2 | 528'2 | 530'6 + | 1'0 | ---- | 2380 | 11778 + | 480 | 4864 | 13512 | 520'6 |
| JUL19 | 534'2 | 541'2B | 534'2 | 536'2 + | 0'6 | 6 | 2374 | 29425 - | 340 | 1011 | 15366 | 526'0 |
| SEP19 | 547'4 | 550'2B | 544'0A | 545'0 | UNCH | 112 | 1099 | 5025 + | 145 | 81 | 824 | 535'6 |
| DEC19 | 557'6 | 563'6B | 557'6 | 558'6 + | 0'2 | ---- | 357 | 6774 - | 10 | 185 | 2919 | 550'6 |
| MAR20 | 570'0 | 572'4B | 567'6A | 568'0 | UNCH | ---- | 15 | 1298 - | 3 | 2 | 341 | 559'4 |
| MAY20 | ---- | ---- | ---- | 572'6 | UNCH | ---- | ---- | 9 | UNCH | ---- | 13 | 562'0 |
| JUL20 | ---- | ---- | ---- | 569'2 - | 1'2 | ---- | 2 | 489 + | 1 | ---- | 55 | 549'0 |
| TOTAL WHEAT FUT | | | | | | 1350 | 159206 | 475214 - | 3666 | 117366 | 401348 | |

SOYBEAN CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOYBEAN CALL | | | | | | | | | | | | | |
| AUG18 | SOYBEAN CALL | | | | | | | | | | | | |
| 700 | ---- | ---- | ---- | 1732N | 1732 | UNCH | .989 | ---- | ---- | 120 | UNCH | 3803B | 1692A |
| 710 | ---- | ---- | ---- | 1633N | 1633 | UNCH | .985 | ---- | ---- | 80 | UNCH | 2023B | 1593A |
| 770 | ---- | ---- | ---- | 1045N | 1044 - | 1 | .949 | ---- | ---- | 50 | UNCH | 2796B | 1007A |
| 780 | ---- | ---- | ---- | 951N | 947 - | 2 | .936 | ---- | ---- | 100 | UNCH | 3003B | 914A |
| 790 | ---- | ---- | ---- | 856N | 855 + | NEW | .915 | ---- | 47 | 27 + | 27 | 2710B | 823A |
| 820 | ---- | ---- | ---- | 593N | 593 | UNCH | .820 | ---- | ---- | 1 | UNCH | 2603B | 566A |
| 830 | ---- | ---- | ---- | 514N | 515 + | 1 | .774 | ---- | 1 | 4 + | 1 | 2375B | 490A |
| 840 | ---- | ---- | ---- | 441N | 443 + | 2 | .720 | ---- | 22 | 21 + | 19 | 2403B | 417A |
| 850 | ---- | ---- | ---- | 375N | 376 + | 1 | .660 | ---- | 18 | 17 + | 11 | 2175B | 355 |
| 860 | ---- | ---- | ---- | 314N | 317 + | 3 | .597 | ---- | 4 | 33 + | 4 | 2203B | 296A |
| 870 | ---- | ---- | ---- | 263N | 265 + | 2 | .533 | ---- | 51 | 351 + | 46 | 1977B | 246A |
| 880 | ---- | ---- | ---- | 216N | 222 + | 4 | .470 | ---- | 726 | 836 + | 393 | 2005B | 203 |
| 890 | ---- | ---- | ---- | 177N | 184 + | 5 | .410 | ---- | 297 | 538 + | 106 | 1782B | 166A |
| 900 | ---- | ---- | ---- | 144N | 152 + | 6 | .353 | ---- | 1679 | 2922 + | 901 | 1811B | 135A |
| 910 | ---- | ---- | ---- | 116N | 124 + | 6 | .302 | ---- | 567 | 1518 + | 349 | 1587B | 110 |
| 920 | ---- | ---- | ---- | 94N | 102 + | 6 | .257 | ---- | 978 | 2628 + | 386 | 1620B | 90A |
| 930 | 81 | 81 | 81 | 81 | 84 + | 6 | .218 | ---- | 537 | 2457 + | 117 | 1400B | 73A |
| 940 | ---- | ---- | ---- | 62N | 70 + | 6 | .184 | ---- | 1409 | 2939 + | 841 | 1434B | 60 |
| 950 | ---- | ---- | ---- | 51N | 56 + | 5 | .155 | ---- | 379 | 10045 + | 200 | 1216B | 47A |
| 960 | ---- | ---- | ---- | 40N | 46 + | 6 | .130 | ---- | 335 | 2378 + | 112 | 1290B | 40A |
| 970 | ---- | ---- | ---- | 32N | 40 + | 6 | .110 | ---- | 74 | 2390 + | 16 | 1045B | 32A |
| 980 | ---- | ---- | ---- | 26N | 33 + | 5 | .094 | ---- | 297 | 4389 - | 24 | 1123B | 26 |
| 990 | ---- | ---- | ---- | 22N | 27 + | 5 | .080 | ---- | 92 | 3556 + | 35 | 884B | 22A |
| 1000 | ---- | ---- | ---- | 17N | 23 + | 4 | .067 | ---- | 984 | 9096 + | 428 | 972B | 17A |
| 1010 | ---- | ---- | ---- | 15N | 20 + | 3 | .057 | ---- | 202 | 1495 - | 32 | 740B | 15 |
| 1020 | ---- | ---- | ---- | 13N | 16 + | 3 | .049 | ---- | 361 | 2077 - | 2 | 835B | 12 |
| 1030 | ---- | ---- | ---- | 11N | 14 + | 3 | .042 | ---- | 70 | 1606 | UNCH | 612B | 11 |
| 1040 | 12 | 12 | *12 | 12 | 12 + | 2 | .035 | ---- | 77 | 2879 - | 56 | 716B | 10 |
| 1050 | ---- | ---- | ---- | 7N | 11 + | 2 | .031 | ---- | 97 | 5165 - | 3 | 502B | 7 |
| 1060 | ---- | ---- | ---- | 6N | 10 + | 2 | .028 | ---- | 9 | 3309 + | 4 | 613B | 6 |
| 1070 | ---- | ---- | ---- | 5N | 7 + | 2 | .024 | ---- | 11 | 1460 - | 2 | 411B | 6 |
| 1080 | ---- | ---- | ---- | 5N | 6 + | 1 | .021 | ---- | ---- | 2871 | UNCH | 524B | 5 |
| 1090 | ---- | ---- | ---- | 5N | 6 + | 1 | .020 | ---- | 93 | 1392 | UNCH | 334B | 5 |
| 1100 | ---- | ---- | ---- | 4N | 5 + | 1 | .017 | ---- | 116 | 7094 + | 14 | 447B | 3 |
| 1110 | ---- | ---- | ---- | 4N | 4 | UNCH | .013 | ---- | 3 | 1617 | UNCH | 271B | 4 |
| 1120 | ---- | ---- | ---- | 4N | 4 | UNCH | .013 | ---- | 37 | 2200 - | 2 | 383B | 3 |
| 1130 | ---- | ---- | ---- | 3N | 4 + | 1 | .013 | ---- | 47 | 1127 + | 47 | 221B | 3 |
| 1140 | ---- | ---- | ---- | 3N | 3 | UNCH | .010 | ---- | ---- | 2349 | UNCH | 330 | 3 |
| 1150 | ---- | ---- | ---- | 3N | 3 | UNCH | .009 | ---- | 1 | 12183 | UNCH | 180B | 3 |
| 1160 | ---- | ---- | ---- | 2N | 3 + | 1 | .009 | ---- | 9 | 1490 - | 9 | 281B | 3 |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1170 | ---- | ---- | ---- | 2N | 3 + | 1 | .009 | ---- | ---- | 860 | UNCH | 145B | 1 |
| 1180 | ---- | ---- | ---- | 2N | 2 | UNCH | .006 | ---- | 3 | 1141 + | 3 | 241B | 2A |
| 1190 | ---- | ---- | ---- | 2N | 2 | UNCH | .006 | ---- | ---- | 333 | UNCH | 121B | 2A |
| 1200 | ---- | ---- | ---- | 2N | 2 | UNCH | .006 | ---- | 5 | 3729 - | 2 | 207 | 2 |
| 1210 | ---- | ---- | ---- | 2N | 2 | UNCH | .006 | ---- | ---- | 468 | UNCH | 101B | 2A |
| 1220 | ---- | ---- | ---- | 1N | 2 + | 1 | .006 | ---- | ---- | 727 | UNCH | 176B | 2A |
| 1230 | ---- | ---- | ---- | 1N | 2 + | 1 | .006 | ---- | ---- | 508 | UNCH | 83B | 2A |
| 1240 | ---- | ---- | ---- | 1N | 2 + | 1 | .005 | ---- | ---- | 1044 | UNCH | 165 | 2 |
| 1250 | ---- | ---- | ---- | 1N | 2 + | 1 | .005 | ---- | ---- | 410 | UNCH | 70B | 2 |
| 1260 | ---- | ---- | ---- | 1N | 1 | UNCH | .003 | ---- | ---- | 390 | UNCH | 131B | 1A |
| 1270 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | 93 | 380 | UNCH | 57B | 1A |
| 1280 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | ---- | 1170 | UNCH | 113B | 1A |
| 1290 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 152 | UNCH | 47B | 1A |
| 1300 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 829 | UNCH | 96B | 1 |
| 1310 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 395 | UNCH | 41B | 1 |
| 1320 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | 2 | 205 + | 2 | 83B | 1 |
| 1340 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 744 | UNCH | 74 | 2 |
| 1360 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 190 | UNCH | 64 | 1A |
| 1380 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 662 | UNCH | 60 | 1 |
| 1400 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 175 | UNCH | 70 | 1 |
| 1420 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 336 | UNCH | 64 | 1A |
| 1440 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 739 | UNCH | 35 | 1A |
| 1460 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 621 | UNCH | 31B | 1A |
| 1480 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 65 | UNCH | 26B | 1A |
| 1500 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 542 | UNCH | 25 | 1 |
| 1520 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 70 | UNCH | 21B | 1A |
| 1540 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 276 | UNCH | 17B | 2A |
| 1560 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 56 | UNCH | 14B | 2A |
| 1580 | ---- | ---- | ---- | 1N | 1 | UNCH | ---- | ---- | ---- | 68 | UNCH | 12B | 3A |
| 1600 | ---- | ---- | ---- | 1N | 1 | UNCH | ---- | ---- | ---- | 50 | UNCH | 5B | 1A |
| 1620 | ---- | ---- | ---- | 1N | 1 | UNCH | ---- | ---- | ---- | 33 | UNCH | 5B | 1A |
| TOTAL | | | | | | | | | 9733 | 114178 + | 3930 | | |
| SEP18 | | | | | | | | | | | | | |
| 810 | ---- | ---- | ---- | 751N | 755 + | NEW | .833 | ---- | 80 | 50 + | 50 | 2232B | 723A |
| 850 | ---- | ---- | ---- | 470N | 474 + | 4 | .659 | ---- | ---- | 7 | UNCH | 1833B | 452A |
| 860 | ---- | ---- | ---- | 413N | 421 + | 6 | .609 | ---- | ---- | 119 | UNCH | 2027B | 396A |
| 870 | ---- | ---- | ---- | 363N | 371 + | 6 | .560 | ---- | 1 | 72 + | 1 | 1634B | 336 |
| 880 | ---- | ---- | ---- | 317N | 326 + | 7 | .511 | ---- | 176 | 442 + | 162 | 1836B | 301 |
| 890 | ---- | ---- | ---- | 281N | 286 + | 5 | .465 | ---- | 18 | 342 + | 15 | 1440B | 267A |
| 900 | ---- | ---- | ---- | 245N | 253 + | 6 | .421 | ---- | 187 | 955 + | 94 | 1656B | 235A |
| 910 | ---- | ---- | ---- | 215N | 223 + | 6 | .381 | ---- | 152 | 464 + | 18 | 1251B | 205A |
| 920 | ---- | ---- | ---- | 187N | 196 + | 7 | .343 | ---- | 47 | 976 + | 16 | 1475B | 181A |
| 930 | ---- | ---- | ---- | 164N | 173 + | 7 | .309 | ---- | 163 | 1885 - | 12 | 1087B | 157A |
| 940 | ---- | ---- | ---- | 144N | 153 + | 7 | .278 | ---- | 125 | 1801 + | 93 | 1310B | 137 |
| 950 | ---- | ---- | ---- | 125N | 134 + | 7 | .249 | ---- | 234 | 2175 - | 13 | 933B | 122A |
| 960 | ---- | ---- | ---- | 111N | 120 + | 7 | .224 | ---- | 32 | 1508 + | 7 | 1146B | 106A |
| 970 | ---- | ---- | ---- | 96N | 105 + | 7 | .200 | ---- | 68 | 2177 + | 27 | 773B | 93A |
| 980 | ---- | ---- | ---- | 85N | 93 + | 6 | .179 | ---- | 25 | 3042 + | 9 | 1003B | 82A |
| 990 | ---- | ---- | ---- | 75N | 83 + | 6 | .161 | ---- | ---- | 766 | UNCH | 634B | 72A |
| 1000 | ---- | ---- | ---- | 66N | 73 + | 5 | .144 | ---- | 2381 | 7472 + | 809 | 871B | 64 |
| 1010 | ---- | ---- | ---- | 56N | 65 + | 7 | .130 | ---- | 105 | 873 + | 74 | 517B | 56 |
| 1020 | ---- | ---- | ---- | 51N | 57 + | 6 | .116 | ---- | 258 | 3784 - | 81 | 754B | 50A |
| 1030 | ---- | ---- | ---- | 45N | 52 + | 5 | .105 | ---- | 1 | 3139 | UNCH | 423B | 44 |
| 1040 | ---- | ---- | ---- | 40N | 46 + | 6 | .095 | ---- | 601 | 3471 + | 15 | 652B | 40A |
| 1050 | ---- | ---- | ---- | 35N | 42 + | 5 | .085 | ---- | 65 | 2222 + | 17 | 344B | 35A |
| 1060 | ---- | ---- | ---- | 32N | 36 + | 4 | .076 | ---- | 415 | 2992 - | 69 | 561B | 32 |
| 1070 | ---- | ---- | ---- | 27N | 33 + | 4 | .069 | ---- | ---- | 484 | UNCH | 341B | 27A |
| 1080 | ---- | ---- | ---- | 25N | 31 + | 4 | .063 | ---- | 53 | 2387 + | 21 | 483B | 25A |
| 1090 | ---- | ---- | ---- | 22N | 26 + | 4 | .056 | ---- | ---- | 349 | UNCH | 280B | 22 |
| 1100 | ---- | ---- | ---- | 21N | 24 + | 3 | .051 | ---- | 55 | 6951 | UNCH | 417 | 21 |
| 1110 | ---- | ---- | ---- | 17N | 22 + | 3 | .046 | ---- | 30 | 358 + | 23 | 197B | 17A |
| 1120 | ---- | ---- | ---- | 16N | 21 + | 3 | .043 | ---- | 2 | 954 | UNCH | 356B | 16 |
| 1130 | ---- | ---- | ---- | 14N | 17 + | 3 | .038 | ---- | ---- | 53 | UNCH | 147B | 15 |
| 1140 | ---- | ---- | ---- | 13N | 16 + | 3 | .035 | ---- | ---- | 4543 | UNCH | 306B | 14 |
| 1150 | ---- | ---- | ---- | 12N | 15 + | 3 | .033 | ---- | 299 | 455 + | 127 | 120B | 13A |
| 1160 | ---- | ---- | ---- | 11N | 14 + | 3 | .030 | ---- | 32 | 470 + | 29 | 264B | 11 |
| 1170 | ---- | ---- | ---- | 11N | 13 + | 2 | .028 | ---- | 5 | 431 + | 1 | 96B | 11A |
| 1180 | ---- | ---- | ---- | 10N | 12 + | 2 | .025 | ---- | 4 | 476 | UNCH | 230B | 10A |
| 1190 | ---- | ---- | ---- | 7N | 11 + | 2 | .023 | ---- | ---- | 94 | UNCH | 76B | 7A |
| 1200 | ---- | ---- | ---- | 7N | 10 + | 1 | .020 | ---- | 32 | 3845 + | 13 | 200B | 7A |
| 1210 | ---- | ---- | ---- | 6N | 10 + | 2 | .020 | ---- | 1 | 48 - | 1 | 62B | 6A |
| 1220 | ---- | ---- | ---- | 6N | 7 + | 1 | .017 | ---- | ---- | 1016 | UNCH | 172B | 6A |
| 1230 | ---- | ---- | ---- | 5N | 6 + | 1 | .015 | ---- | 2 | 201 | UNCH | 51B | 5A |
| 1240 | ---- | ---- | ---- | 5N | 6 + | 1 | .015 | ---- | 3 | 651 | UNCH | 150B | 5A |
| 1250 | ---- | ---- | ---- | 4N | 5 + | 1 | .013 | ---- | 1 | 256 | UNCH | 56B | 5A |
| 1260 | ---- | ---- | ---- | 4N | 5 + | 1 | .012 | ---- | ---- | 370 | UNCH | 130B | 4A |
| 1270 | ---- | ---- | ---- | 4N | 5 + | 1 | .012 | ---- | ---- | 40 | UNCH | 34 | 4A |
| 1280 | ---- | ---- | ---- | 4N | 4 | UNCH | .010 | ---- | 1 | 576 | UNCH | 113B | 4 |
| 1290 | ---- | ---- | ---- | 3N | 4 + | 1 | .010 | ---- | ---- | 77 | UNCH | 40B | 4A |
| 1300 | ---- | ---- | ---- | 3N | 4 + | 1 | .010 | ---- | ---- | 686 | UNCH | 102 | 3 |
| 1310 | ---- | ---- | ---- | 3N | 4 + | 1 | .009 | ---- | ---- | 504 | UNCH | 24B | 3A |
| 1320 | ---- | ---- | ---- | 3N | 3 | UNCH | .007 | ---- | ---- | 432 | UNCH | 84B | 3 |
| 1340 | ---- | ---- | ---- | 2N | 3 + | 1 | .007 | ---- | ---- | 109 | UNCH | 74B | 4 |
| 1360 | ---- | ---- | ---- | 2N | 2 | UNCH | .005 | ---- | ---- | 155 | UNCH | 65B | 2A |
| 1380 | ---- | ---- | ---- | 1N | 2 + | 1 | .005 | ---- | ---- | 100 | UNCH | 57B | 2A |
| 1400 | ---- | ---- | ---- | 1N | 2 + | 1 | .004 | ---- | ---- | 319 | UNCH | 54 | 2 |
| 1420 | ---- | ---- | ---- | 1N | 2 + | 1 | .004 | ---- | ---- | 603 | UNCH | 50 | 2A |
| 1440 | ---- | ---- | ---- | 1N | 2 + | 1 | .004 | ---- | ---- | 51 | UNCH | 44 | 2A |
| 1460 | ---- | ---- | ---- | 1N | 2 + | 1 | .004 | ---- | ---- | 75 | UNCH | 44 | 4 |
| 1480 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | 1 | 392 | UNCH | 40 | 3A |
| 1500 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | ---- | 123 | UNCH | 34 | 2 |
| 1520 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 32 | UNCH | 31 | 3A |
| 1540 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 37 | UNCH | 30 | 1 |
| 1560 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 303 | UNCH | 21B | 3A |
| 1580 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 193 | UNCH | 14 | 2A |
| TOTAL | | | | | | | | | 5655 | 69933 + | 1445 | | |
| OCT18 | | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | 424N | 441 + | 15 | .558 | ---- | ---- | 10 | UNCH | 472B | 414A |
| 890 | ---- | ---- | ---- | 381N | 396 + | 15 | .518 | ---- | ---- | 1 | UNCH | 435B | 363 |
| 900 | ---- | ---- | ---- | 342N | 357 + | 15 | .480 | ---- | ---- | 3 | UNCH | 392B | 334A |
| 920 | ---- | ---- | ---- | 275N | 291 + | 14 | .408 | ---- | ---- | 10 | UNCH | 315B | 271A |
| 940 | ---- | ---- | ---- | 222N | 236 + | 14 | .345 | ---- | ---- | 1 | UNCH | 253B | 220A |
| 960 | ---- | ---- | ---- | 180N | 193 + | 13 | .291 | ---- | 4 | 654 + | 4 | 203B | 175A |
| 970 | ---- | ---- | ---- | 161N | 175 + | 14 | .267 | ---- | 6 | 300 | UNCH | 194B | 160A |
| 1000 | 132 | #132 | *130 | 130 | 131 + | 13 | .206 | ---- | 13 | 17 + | 13 | 134 | 116A |
| 1010 | ---- | ---- | ---- | 105N | 117 + | NEW | .189 | ---- | 10 | 10 + | 10 | 121B | 105A |
| 1030 | ---- | ---- | ---- | 85N | 96 + | 11 | .158 | ---- | ---- | 1 | UNCH | 96B | 86A |
| 1040 | ---- | ---- | ---- | 76N | 87 + | 11 | .145 | ---- | ---- | 140 | UNCH | 87B | 73 |
| 1060 | ---- | ---- | ---- | 63N | 73 + | 10 | .122 | ---- | ---- | 8 | UNCH | 76B | 65A |
| 1070 | ---- | ---- | ---- | 57N | 66 + | NEW | .112 | ---- | 2 | 2 + | 2 | 65B | 60A |
| 1150 | ---- | ---- | ---- | 30N | 33 + | NEW | .058 | ---- | 13 | 13 + | 13 | 32 | 31A |
| TOTAL | | | | | | | | | 48 | 1170 + | 42 | | |
| NOV18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | 5874N | 5890 + | 14 | 1.000 | ---- | ---- | 44 | UNCH | 7557B | 5863A |
| 700 | ---- | ---- | ---- | 1881N | 1893 + | 12 | .977 | ---- | ---- | 100 | UNCH | 3556B | 1874A |
| 740 | ---- | ---- | ---- | 1493N | 1505 + | 12 | .950 | ---- | ---- | 50 | UNCH | 3156B | 1491A |
| 800 | ---- | ---- | ---- | 963N | 976 + | 13 | .838 | ---- | ---- | 405 | UNCH | 2556B | 966A |
| 820 | ---- | ---- | ---- | 813N | 826 + | 13 | .776 | ---- | ---- | 18 | UNCH | 2375B | 792A |
| 840 | ---- | ---- | ---- | 683N | 696 + | 13 | .704 | ---- | ---- | 248 | UNCH | 2180B | 664A |
| 860 | ---- | ---- | ---- | 572N | 585 + | 13 | .630 | ---- | 50 | 103 + | 5 | 1983B | 510 |
| 880 | ---- | ---- | ---- | 480N | 492 + | 12 | .557 | ---- | 155 | 613 + | 56 | 1794B | 450 |
| 900 | ---- | ---- | ---- | 401N | 413 + | 12 | .488 | ---- | 2166 | 3845 + | 560 | 1613B | 387A |
| 920 | ---- | ---- | ---- | 333N | 346 + | 13 | .425 | ---- | 1007 | 3550 + | 752 | 1474B | 300 |
| 940 | ---- | ---- | ---- | 277N | 292 + | 13 | .369 | ---- | 794 | 4923 + | 393 | 1316B | 270 |
| 960 | ---- | ---- | ---- | 232N | 246 + | 14 | .320 | ---- | 880 | 5482 + | 161 | 1172B | 216 |
| 980 | ---- | ---- | ---- | 194N | 207 + | 13 | .277 | ---- | 986 | 5774 + | 65 | 1037B | 191A |
| 1000 | ---- | ---- | ---- | 163N | 176 + | 13 | .239 | ---- | 2494 | 20018 + | 319 | 920B | 160 |
| 1020 | ---- | ---- | ---- | 136N | 151 + | 13 | .207 | ---- | 1283 | 6864 + | 145 | 811B | 134A |
| 1040 | ---- | ---- | ---- | 114N | 127 + | 13 | .179 | ---- | 1663 | 10883 + | 476 | 714B | 114 |
| 1060 | ---- | ---- | ---- | 96N | 110 + | 12 | .155 | ---- | 715 | 12731 + | 172 | 627B | 95 |
| 1080 | ---- | ---- | ---- | 81N | 93 + | 12 | .134 | ---- | 253 | 7619 + | 64 | 553B | 82A |
| 1100 | 82 | 82 | *82 | 82 | 80 + | 11 | .116 | ---- | 3334 | 33774 + | 1977 | 486 | 67A |
| 1120 | ---- | ---- | ---- | 56N | 67 + | 11 | .101 | ---- | 58 | 5166 - | 5 | 425B | 57A |
| 1140 | ---- | ---- | ---- | 47N | 57 + | 10 | .087 | ---- | 215 | 4935 + | 57 | 373B | 50 |
| 1160 | ---- | ---- | ---- | 41N | 50 + | 7 | .075 | ---- | 63 | 6911 - | 24 | 325B | 42A |
| 1180 | ---- | ---- | ---- | 34N | 43 + | 7 | .066 | ---- | 150 | 4098 + | 6 | 284 | 35A |
| 1200 | ---- | ---- | ---- | 30N | 36 + | 6 | .057 | ---- | 3706 | 34948 - | 20 | 250 | 31 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS

57
Side 04

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1220 | ---- | ---- | ---- | 25N | 32 + | 5 | .050 | ---- | 4 | 1209 | UNCH | 221B | 26A |
| 1240 | ---- | ---- | ---- | 22N | 27 + | 5 | .044 | ---- | ---- | 3314 | UNCH | 201 | 23 |
| 1260 | ---- | ---- | ---- | 20N | 24 + | 4 | .038 | ---- | 171 | 1571 + | 171 | 180 | 20 |
| 1280 | ---- | ---- | ---- | 16N | 21 + | 3 | .033 | ---- | 3 | 760 - | 2 | 152B | 16A |
| 1300 | ---- | ---- | ---- | 14N | 17 + | 3 | .029 | ---- | 669 | 10901 + | 274 | 136 | 15A |
| 1320 | ---- | ---- | ---- | 13N | 15 + | 2 | .025 | ---- | 1 | 1870 | UNCH | 120B | 13A |
| 1340 | ---- | ---- | ---- | 11N | 13 + | 2 | .022 | ---- | ---- | 507 | UNCH | 105B | 12A |
| 1360 | ---- | ---- | ---- | 10N | 12 + | 2 | .020 | ---- | ---- | 540 | UNCH | 93B | 11 |
| 1380 | ---- | ---- | ---- | 7N | 11 + | 2 | .018 | ---- | 100 | 1179 | UNCH | 100 | 7A |
| 1400 | ---- | ---- | ---- | 6N | 10 + | 2 | .016 | ---- | 633 | 5104 + | 49 | 73B | 6 |
| 1420 | ---- | ---- | ---- | 6N | 7 + | 1 | .014 | ---- | ---- | 241 | UNCH | 65B | 6A |
| 1440 | ---- | ---- | ---- | 5N | 6 + | 1 | .012 | ---- | ---- | 336 | UNCH | 57B | 6A |
| 1460 | ---- | ---- | ---- | 4N | 5 + | 1 | .010 | ---- | ---- | 172 | UNCH | 55 | 5A |
| 1480 | ---- | ---- | ---- | 4N | 5 + | 1 | .010 | ---- | ---- | 1326 | UNCH | 50 | 4 |
| 1500 | ---- | ---- | ---- | 3N | 4 + | 1 | .008 | ---- | ---- | 2174 | UNCH | 47 | 4 |
| 1520 | ---- | ---- | ---- | 3N | 4 + | 1 | .008 | ---- | ---- | 267 | UNCH | 36B | 4A |
| 1540 | ---- | ---- | ---- | 3N | 4 + | 1 | .008 | ---- | ---- | 282 | UNCH | 33B | 4 |
| 1560 | ---- | ---- | ---- | 2N | 3 + | 1 | .006 | ---- | ---- | 330 | UNCH | 30B | 3A |
| 1580 | ---- | ---- | ---- | 2N | 3 + | 1 | .006 | ---- | ---- | 340 | UNCH | 15 | 3A |
| TOTAL | | | | | | | | | 21553 | 205525 + | 5651 | | |
| JAN19 | | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | 554N | 566 + | 12 | .586 | ---- | ---- | 24 | UNCH | 692B | 541 |
| 900 | 524 | #524 | *524 | 524 | 483 + | 12 | .520 | ---- | 122 | 452 + | 79 | 585B | 456A |
| 920 | ---- | ---- | ---- | 400N | 412 + | 12 | .460 | ---- | 6 | 222 + | 6 | 1222B | 391A |
| 940 | ---- | ---- | ---- | 337N | 351 + | 12 | .404 | ---- | 7 | 75 + | 2 | 1066B | 333A |
| 960 | ---- | ---- | ---- | 286N | 300 + | 12 | .355 | ---- | 8 | 52 + | 8 | 925B | 284A |
| 980 | ---- | ---- | ---- | 244N | 255 + | 11 | .311 | ---- | ---- | 337 | UNCH | 970 | 237A |
| 1000 | ---- | ---- | ---- | 207N | 220 + | 11 | .272 | ---- | 10 | 474 + | 2 | 790 | 197 |
| 1020 | ---- | ---- | ---- | 177N | 190 + | 11 | .239 | ---- | 35 | 341 + | 25 | 666B | 163 |
| 1040 | ---- | ---- | ---- | 153N | 163 + | 10 | .209 | ---- | 49 | 297 + | 22 | 662B | 156A |
| 1060 | ---- | ---- | ---- | 132N | 142 + | 10 | .184 | ---- | 50 | 1391 + | 50 | 637 | 120 |
| 1080 | ---- | ---- | ---- | 113N | 123 + | 10 | .162 | ---- | 30 | 745 + | 30 | 520 | 112 |
| 1100 | ---- | ---- | ---- | 96N | 107 + | 11 | .143 | ---- | 90 | 1339 + | 60 | 480 | 92 |
| 1120 | ---- | ---- | ---- | 83N | 94 + | 11 | .126 | ---- | 23 | 282 + | 23 | 400 | 83 |
| 1140 | ---- | ---- | ---- | 72N | 82 + | 10 | .111 | ---- | ---- | 214 | UNCH | 333 | 77 |
| 1160 | ---- | ---- | ---- | 63N | 71 + | 6 | .097 | ---- | 31 | 61 + | 31 | 282B | 62 |
| 1180 | ---- | ---- | ---- | 55N | 61 + | 4 | .084 | ---- | ---- | 95 | UNCH | 256 | 61A |
| 1200 | ---- | ---- | ---- | 50N | 53 + | 3 | .075 | ---- | ---- | 329 | UNCH | 250 | 47A |
| 1220 | ---- | ---- | ---- | 44N | 46 + | 2 | .066 | ---- | ---- | 107 | UNCH | 181B | 45A |
| 1240 | ---- | ---- | ---- | 41N | 42 + | 1 | .059 | ---- | ---- | 20 | UNCH | 140B | 37 |
| 1260 | ---- | ---- | ---- | 36N | 37 + | 1 | .054 | ---- | ---- | 1 | UNCH | 117B | 33A |
| 1280 | ---- | ---- | ---- | 34N | 34 | UNCH | .049 | ---- | ---- | 30 | UNCH | 134 | 30A |
| 1300 | ---- | ---- | ---- | 32N | 32 | UNCH | .045 | ---- | ---- | 780 | UNCH | 134 | 21 |
| 1320 | ---- | ---- | ---- | 30N | 30 | UNCH | .041 | ---- | ---- | 37 | UNCH | 110 | 22A |
| 1340 | ---- | ---- | ---- | 26N | 26 | UNCH | .038 | ---- | ---- | 114 | UNCH | 100 | 20A |
| 1380 | ---- | ---- | ---- | 23N | 23 | UNCH | .032 | ---- | ---- | 7 | UNCH | 64 | 14A |
| 1400 | ---- | ---- | ---- | 22N | 22 | UNCH | .030 | ---- | ---- | 26 | UNCH | 60 | 13A |
| 1420 | ---- | ---- | ---- | 21N | 21 | UNCH | .028 | ---- | ---- | 1 | UNCH | 40 | 12A |
| 1440 | ---- | ---- | ---- | 20N | 20 | UNCH | .026 | ---- | ---- | 1 | UNCH | 40 | 11A |
| 1460 | ---- | ---- | ---- | 17N | 17 | UNCH | .025 | ---- | ---- | 1 | UNCH | 24 | 10A |
| 1480 | ---- | ---- | ---- | 16N | 16 | UNCH | .023 | ---- | ---- | 2 | UNCH | 22 | 7A |
| 1500 | ---- | ---- | ---- | 15N | 15 | UNCH | .021 | ---- | ---- | 18 | UNCH | 23 | 4 |
| 1560 | ---- | ---- | ---- | 13N | 13 | UNCH | .018 | ---- | ---- | 10 | UNCH | 4 | 4 |
| TOTAL | | | | | | | | | 461 | 7885 + | 338 | | |
| MAR19 | | | | | | | | | | | | | |
| 860 | ---- | ---- | ---- | 704N | 726 + | 22 | .664 | ---- | ---- | 1 | UNCH | 861B | 732A |
| 900 | ---- | ---- | ---- | 517N | 543 + | 24 | .538 | ---- | 2 | 309 + | 2 | 1237B | 523A |
| 920 | ---- | ---- | ---- | 444N | 467 + | 23 | .481 | ---- | 5 | 184 + | 5 | 1083B | 444A |
| 940 | ---- | ---- | ---- | 381N | 404 + | 23 | .428 | ---- | 1 | 162 + | 1 | 942B | 386A |
| 960 | ---- | ---- | ---- | 330N | 350 + | 20 | .380 | ---- | 120 | 338 + | 119 | 815B | 334A |
| 980 | ---- | ---- | ---- | 286N | 302 + | 14 | .337 | ---- | ---- | 216 | UNCH | 704B | 290A |
| 1000 | ---- | ---- | ---- | 246N | 261 + | 13 | .298 | ---- | ---- | 251 | UNCH | 706 | 240 |
| 1020 | ---- | ---- | ---- | 211N | 225 + | 14 | .263 | ---- | ---- | 533 | UNCH | 686B | 217A |
| 1040 | ---- | ---- | ---- | 180N | 195 + | 15 | .232 | ---- | 21 | 1425 - | 19 | 630 | 191A |
| 1060 | ---- | ---- | ---- | 153N | 172 + | 17 | .206 | ---- | ---- | 143 | UNCH | 541B | 166A |
| 1080 | ---- | ---- | ---- | 132N | 151 + | 17 | .183 | ---- | ---- | 542 | UNCH | 465B | 145A |
| 1100 | ---- | ---- | ---- | 114N | 133 + | 17 | .163 | ---- | 450 | 2247 + | 50 | 463B | 120 |
| 1120 | ---- | ---- | ---- | 97N | 116 + | 17 | .145 | ---- | 5 | 45 + | 5 | 360 | 104 |
| 1140 | ---- | ---- | ---- | 85N | 101 + | 14 | .127 | ---- | ---- | 990 | UNCH | 302B | 90 |
| 1160 | ---- | ---- | ---- | 73N | 86 + | 13 | .112 | ---- | ---- | 33 | UNCH | 263B | 80 |
| 1200 | ---- | ---- | ---- | 55N | 64 + | 7 | .086 | ---- | ---- | 1223 | UNCH | 230 | 54 |
| 1240 | ---- | ---- | ---- | 44N | 47 + | 3 | .066 | ---- | ---- | 1 | UNCH | 102B | 53A |
| 1280 | ---- | ---- | ---- | 35N | 36 + | 1 | .052 | ---- | ---- | 4 | UNCH | 122 | 42A |
| 1300 | ---- | ---- | ---- | 32N | 33 + | 1 | .046 | ---- | ---- | 103 | UNCH | 130 | 36A |
| 1340 | ---- | ---- | ---- | 25N | 26 + | 1 | .038 | ---- | ---- | 30 | UNCH | ---- | 30A |
| 1400 | ---- | ---- | ---- | 17N | 22 + | 3 | .030 | ---- | ---- | 345 | UNCH | 62B | 20 |
| 1500 | ---- | ---- | ---- | 10N | 13 + | 3 | .019 | ---- | ---- | 100 | UNCH | 20B | 36A |
| TOTAL | | | | | | | | | 604 | 9225 + | 163 | | |
| MAY19 | | | | | | | | | | | | | |
| 920 | ---- | ---- | ---- | 492N | 502 + | 10 | .504 | ---- | ---- | 410 | UNCH | ---- | ---- |
| 940 | ---- | ---- | ---- | 425N | 435 + | 10 | .450 | ---- | ---- | 98 | UNCH | 545B | ---- |
| 1000 | ---- | ---- | ---- | 276N | 283 + | 5 | .316 | ---- | ---- | 484 | UNCH | 302B | ---- |
| 1020 | ---- | ---- | ---- | 240N | 244 + | 4 | .279 | ---- | ---- | 31 | UNCH | 624 | 624 |
| 1040 | ---- | ---- | ---- | 206N | 211 + | 3 | .246 | ---- | ---- | 2 | UNCH | 630 | 470 |
| 1060 | ---- | ---- | ---- | 177N | 182 + | 3 | .217 | ---- | ---- | 146 | UNCH | ---- | 554A |
| 1080 | ---- | ---- | ---- | 154N | 156 + | 2 | .191 | ---- | ---- | 184 | UNCH | ---- | ---- |
| 1100 | ---- | ---- | ---- | 133N | 135 + | 2 | .168 | ---- | ---- | 1226 | UNCH | 430 | 135 |
| 1140 | ---- | ---- | ---- | 102N | 104 + | 2 | .132 | ---- | ---- | 895 | UNCH | 240 | 240 |
| 1180 | ---- | ---- | ---- | 81N | 82 + | 1 | .105 | ---- | 25 | 25 | UNCH | 210 | 90 |
| 1200 | ---- | ---- | ---- | 73N | 74 + | 1 | .096 | ---- | ---- | 285 | UNCH | 244 | 75 |
| 1260 | ---- | ---- | ---- | 57N | 60 + | 1 | .075 | ---- | ---- | 46 | UNCH | ---- | ---- |
| 1400 | ---- | ---- | ---- | 32N | 32 | UNCH | .040 | ---- | ---- | 387 | UNCH | 70B | 24 |
| 1500 | ---- | ---- | ---- | 17N | 20 + | 1 | .025 | ---- | ---- | 50 | UNCH | 30 | 26A |
| TOTAL | | | | | | | | | 25 | 4269 | | | |
| JUL19 | | | | | | | | | | | | | |
| 1020 | ---- | ---- | ---- | 263N | 266 + | 3 | .297 | ---- | ---- | 3 | UNCH | 330 | 330A |
| 1040 | ---- | ---- | ---- | 227N | 231 + | 2 | .262 | ---- | ---- | 1 | UNCH | 300 | 300 |
| 1060 | ---- | ---- | ---- | 197N | 201 + | NEW | .233 | ---- | 4 | 4 + | 4 | ---- | ---- |
| 1080 | ---- | ---- | ---- | 173N | 174 + | 1 | .206 | ---- | ---- | 7 | UNCH | 420 | 270 |
| 1100 | ---- | ---- | ---- | 151N | 153 + | 2 | .183 | ---- | ---- | 134 | UNCH | 404 | 314 |
| 1120 | ---- | ---- | ---- | 132N | 133 + | 1 | .162 | ---- | ---- | 6 | UNCH | 400 | 360A |
| 1140 | ---- | ---- | ---- | 115N | 116 + | 1 | .144 | ---- | ---- | 29 | UNCH | 380 | 360 |
| 1200 | ---- | ---- | ---- | 75N | 76 + | 1 | .099 | ---- | ---- | 4 | UNCH | 200B | 102 |
| 1400 | ---- | ---- | ---- | 16N | 17 + | 1 | .027 | ---- | ---- | 1 | UNCH | 62B | 60 |
| TOTAL | | | | | | | | | 4 | 189 + | 4 | | |
| AUG19 | | | | | | | | | | | | | |
| 940 | ---- | ---- | ---- | 464N | 466 + | 2 | .470 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1020 | ---- | ---- | ---- | 247N | 250 + | 1 | .288 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 2 | | | |
| NOV19 | | | | | | | | | | | | | |
| 920 | ---- | ---- | ---- | 553N | 572 + | 17 | .502 | ---- | ---- | 57 | UNCH | 607 | 607 |
| 960 | ---- | ---- | ---- | 425N | 447 + | 22 | .413 | ---- | ---- | 1 | UNCH | 477B | ---- |
| 980 | ---- | ---- | ---- | 373N | 396 + | 23 | .374 | ---- | ---- | 123 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | 330N | 352 + | 22 | .338 | ---- | ---- | 530 | UNCH | 700 | 300 |
| 1020 | ---- | ---- | ---- | 291N | 312 + | 21 | .306 | ---- | ---- | 5 | UNCH | 570 | 500 |
| 1040 | ---- | ---- | ---- | 257N | 276 + | 17 | .276 | ---- | ---- | 59 | UNCH | 600 | 230 |
| 1060 | ---- | ---- | ---- | 230N | 247 + | 17 | .250 | ---- | ---- | 55 | UNCH | 460 | 300 |
| 1080 | ---- | ---- | ---- | 205N | 222 + | 15 | .227 | ---- | ---- | 32 | UNCH | 500 | 240A |
| 1100 | ---- | ---- | ---- | 183N | 197 + | 14 | .205 | ---- | 1 | 649 | UNCH | 420 | 150 |
| 1120 | ---- | ---- | ---- | 163N | 176 + | 13 | .185 | ---- | ---- | 12 | UNCH | 201 | 174A |
| 1140 | ---- | ---- | ---- | 144N | 157 + | 13 | .168 | ---- | 1500 | 2605 + | 1499 | 315 | 130 |
| 1160 | ---- | ---- | ---- | 127N | 141 + | 12 | .151 | ---- | ---- | 150 | UNCH | 236 | 200 |
| 1180 | ---- | ---- | ---- | 114N | 125 + | 11 | .137 | ---- | ---- | 182 | UNCH | 202B | 122A |
| 1200 | ---- | ---- | ---- | 101N | 112 + | 11 | .123 | ---- | ---- | 476 | UNCH | 196B | 100 |
| 1240 | ---- | ---- | ---- | 81N | 90 + | 7 | .101 | ---- | ---- | 4 | UNCH | 100 | 83A |
| 1280 | ---- | ---- | ---- | 64N | 73 + | 7 | .083 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 1300 | ---- | ---- | ---- | 57N | 65 + | 6 | .076 | ---- | ---- | 1 | UNCH | 64 | 64 |
| TOTAL | | | | | | | | | 1501 | 4942 + | 1499 | | |

SOYBEAN PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOYBEAN PUT | | | | | | | | | | | | | |
| AUG18 SOYBEAN PUT | | | | | | | | | | | | | |
| 620 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 1128 | UNCH | 4 | 2A |
| 670 | ---- | ---- | ---- | 1N | 2 + | 1 | .006 | ---- | ---- | 25 | UNCH | 2 | 2 |

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 680 | ---- | ---- | ---- | 2N | 2 | UNCH | .007 | ---- | ---- | 5 | UNCH | 4B | 3 |
| 690 | ---- | ---- | ---- | 3N | 2 - | 1 | .007 | ---- | ---- | 9 | UNCH | 5B | 4 |
| 700 | ---- | ---- | ---- | 3N | 3 | UNCH | .010 | ---- | ---- | 226 | UNCH | 13 | 1 |
| 710 | ---- | ---- | ---- | 4N | 4 | UNCH | .014 | ---- | 12 | 101 + | 12 | 22 | 3 |
| 720 | ---- | ---- | ---- | 5N | 4 - | 1 | .015 | ---- | 2 | 184 + | 2 | 22 | 3 |
| 730 | ---- | ---- | ---- | 6N | 5 - | 1 | .019 | ---- | 2 | 135 + | 2 | 23 | 4 |
| 740 | ---- | ---- | ---- | 7N | 6 - | 1 | .023 | ---- | 2 | 223 + | 1 | 33 | 3 |
| 750 | ---- | ---- | ---- | 11N | 10 - | 1 | .031 | ---- | 6 | 461 + | 1 | 23 | 4 |
| 760 | ---- | ---- | ---- | 13N | 12 - | 1 | .039 | ---- | 10 | 879 + | 7 | 50 | 1 |
| 770 | ---- | ---- | ---- | 16N | 15 - | 1 | .050 | ---- | 26 | 557 + | 13 | 60 | 3 |
| 780 | ---- | ---- | ---- | 22N | 20 - | 2 | .063 | ---- | 179 | 1286 - | 131 | 72 | 3 |
| 790 | ---- | ---- | ---- | 27N | 26 - | 1 | .084 | ---- | 20 | 1127 + | 8 | 100 | 3 |
| 800 | ---- | ---- | ---- | 36N | 35 - | 1 | .108 | ---- | 281 | 1201 + | 101 | 123 | 3 |
| 810 | ---- | ---- | ---- | 47N | 47 | UNCH | .140 | ---- | 1300 | 1619 + | 671 | 182 | 3 |
| 820 | ---- | ---- | ---- | 64N | 64 | UNCH | .179 | ---- | 1092 | 2017 + | 95 | 176 | 3 |
| 830 | ---- | ---- | ---- | 84N | 85 + | 1 | .225 | ---- | 476 | 3017 + | 129 | 197 | 3A |
| 840 | ---- | ---- | ---- | 111N | 113 + | 2 | .279 | ---- | 686 | 3059 - | 150 | 250 | 3 |
| 850 | ---- | ---- | ---- | 145N | 146 + | 1 | .339 | ---- | 518 | 3788 - | 123 | 350 | 3 |
| 860 | ---- | ---- | ---- | 184N | 187 + | 3 | .402 | ---- | 901 | 1991 + | 110 | 400 | 5 |
| 870 | ---- | ---- | ---- | 233N | 235 + | 2 | .466 | ---- | 199 | 3866 + | 30 | 452 | 5A |
| 880 | ---- | ---- | ---- | 286N | 292 + | 4 | .529 | ---- | 550 | 2051 - | 82 | 451 | 4 |
| 890 | ---- | ---- | ---- | 347N | 354 + | 5 | .589 | ---- | 44 | 1062 + | 16 | 554 | 4 |
| 900 | ---- | ---- | ---- | 414N | 422 + | 6 | .646 | ---- | 31 | 3336 - | 29 | 576 | 6 |
| 910 | ---- | ---- | ---- | 486N | 494 + | 6 | .697 | ---- | 83 | 1803 - | 19 | 662 | 7A |
| 920 | ---- | ---- | ---- | 563N | 571 + | 6 | .742 | ---- | 60 | 1575 - | 45 | 750 | 11 |
| 930 | ---- | ---- | ---- | 645N | 653 + | 6 | .781 | ---- | 40 | 1175 - | 2 | 863 | 13 |
| 940 | ---- | ---- | ---- | 731N | 737 + | 6 | .815 | ---- | 49 | 2582 + | 39 | 936 | 17 |
| 950 | ---- | ---- | ---- | 820N | 825 + | 5 | .844 | ---- | 48 | 1305 - | 4 | 927 | 24 |
| 960 | ---- | ---- | ---- | 907N | 915 + | 6 | .869 | ---- | 38 | 2705 + | 5 | 1120 | 34A |
| 970 | ---- | ---- | ---- | 1001N | 1007 + | 6 | .889 | ---- | 70 | 2288 + | 37 | 1046B | 45A |
| 980 | 1084 | #1084 | 1084 | 1084 | 1102 + | 5 | .905 | ---- | 3 | 3085 | UNCH | 1244 | 62A |
| 990 | ---- | ---- | ---- | 1191N | 1196 + | 5 | .919 | ---- | ---- | 2148 | UNCH | 1402 | 81A |
| 1000 | ---- | ---- | ---- | 1286N | 1292 + | 4 | .932 | ---- | ---- | 3669 | UNCH | 1363 | 105A |
| 1010 | ---- | ---- | ---- | 1384N | 1387 + | 3 | .942 | ---- | ---- | 1042 | UNCH | 1425B | 136A |
| 1020 | ---- | ---- | ---- | 1482N | 1485 + | 3 | .950 | ---- | 14 | 1960 - | 14 | 1573 | 174A |
| 1030 | ---- | ---- | ---- | 1580N | 1583 + | 3 | .957 | ---- | ---- | 1012 | UNCH | 1621B | 215A |
| 1040 | ---- | ---- | ---- | 1677N | 1681 + | 2 | .964 | ---- | 22 | 1352 - | 10 | 1720B | 264A |
| 1050 | ---- | ---- | ---- | 1776N | 1777 + | 1 | .968 | ---- | ---- | 240 | UNCH | 1817B | 317A |
| 1060 | ---- | ---- | ---- | 1874N | 1876 + | 2 | .971 | ---- | ---- | 946 | UNCH | 1916B | 374A |
| 1070 | ---- | ---- | ---- | 1973N | 1975 + | 2 | .975 | ---- | ---- | 98 | UNCH | 2015B | 434A |
| 1080 | ---- | ---- | ---- | 2073N | 2074 + | 1 | .978 | ---- | ---- | 157 | UNCH | 2114B | 482A |
| 1090 | ---- | ---- | ---- | 2173N | 2174 + | 1 | .979 | ---- | ---- | 1 | UNCH | 2214B | 556A |
| 1100 | ---- | ---- | ---- | 2272N | 2273 + | 1 | .982 | ---- | ---- | 3 | UNCH | 2313B | 606A |
| 1110 | ---- | ---- | ---- | 2372N | 2372 | UNCH | .986 | ---- | ---- | 13 | UNCH | 2413B | 694A |
| 1120 | ---- | ---- | ---- | 2472N | 2472 | UNCH | .986 | ---- | 23 | 40 + | 23 | 2513B | 741A |
| 1140 | ---- | ---- | ---- | 2671N | 2671 | UNCH | .989 | ---- | ---- | 16 | UNCH | 2712B | 884A |
| 1150 | ---- | ---- | ---- | 2771N | 2771 | UNCH | .990 | ---- | ---- | 101 | UNCH | 2812B | 1001A |
| 1160 | ---- | ---- | ---- | 2871N | 2871 | UNCH | .990 | ---- | ---- | 16 | UNCH | 2912B | 1036A |
| 1180 | ---- | ---- | ---- | 3070N | 3070 | UNCH | .993 | ---- | ---- | 3 | UNCH | 3111B | 1195A |
| 1200 | ---- | ---- | ---- | 3270N | 3270 | UNCH | .993 | ---- | ---- | 2 | UNCH | 3311B | 1362A |
| 1210 | ---- | ---- | ---- | 3370N | 3370 | UNCH | .993 | ---- | ---- | 80 | UNCH | 3411B | 1554A |
| 1220 | ---- | ---- | ---- | 3470N | 3470 | UNCH | .993 | ---- | ---- | 50 | UNCH | 3511B | 1532A |
| 1230 | ---- | ---- | ---- | 3570N | 3570 | UNCH | .994 | ---- | ---- | 70 | UNCH | 3611B | 1736A |
| 1240 | ---- | ---- | ---- | 3670N | 3670 | UNCH | .994 | ---- | ---- | 14 | UNCH | 3711B | 1706A |
| TOTAL | | | | | | | | | 6787 | 62904 + | 693 | | |
| SEP18 | | | | | | | | | | | | | |
| 600 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | 20 | 20 + | 20 | 1 | 1 |
| 620 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | 2 | 4 + | 2 | 1 | 1 |
| 640 | ---- | ---- | ---- | 2N | 1 - | 1 | .003 | ---- | ---- | 126 | UNCH | 2 | 2 |
| 660 | ---- | ---- | ---- | 3N | 2 - | 1 | .006 | ---- | ---- | 86 | UNCH | 3B | 1A |
| 680 | ---- | ---- | ---- | 4N | 3 - | 1 | .010 | ---- | ---- | 8 | UNCH | 5B | 1A |
| 690 | ---- | ---- | ---- | 5N | 4 - | 1 | .013 | ---- | 2 | 16 + | 2 | 6B | 3 |
| 700 | ---- | ---- | ---- | 6N | 5 - | 1 | .016 | ---- | ---- | 11 | UNCH | 7 | 5A |
| 710 | ---- | ---- | ---- | 7N | 6 - | 1 | .019 | ---- | 2 | 120 + | 2 | 13 | 5 |
| 720 | ---- | ---- | ---- | 10N | 7 - | 1 | .023 | ---- | ---- | 146 | UNCH | 15 | 5 |
| 730 | ---- | ---- | ---- | 12N | 10 - | 2 | .027 | ---- | 120 | 615 + | 80 | 32 | 6A |
| 740 | ---- | ---- | ---- | 13N | 12 - | 1 | .034 | ---- | 29 | 110 + | 26 | 21B | 2A |
| 750 | ---- | ---- | ---- | 16N | 14 - | 2 | .041 | ---- | 44 | 107 + | 4 | 25B | 2A |
| 760 | ---- | ---- | ---- | 21N | 20 - | 1 | .053 | ---- | 123 | 513 + | 43 | 32B | 7A |
| 770 | ---- | ---- | ---- | 25N | 24 - | 1 | .066 | ---- | 25 | 549 | UNCH | 67 | 6 |
| 780 | ---- | ---- | ---- | 33N | 32 - | 1 | .084 | ---- | 5 | 295 | UNCH | 76 | 2 |
| 790 | ---- | ---- | ---- | 43N | 41 - | 2 | .104 | ---- | 6 | 129 + | 4 | 112 | 14A |
| 800 | ---- | ---- | ---- | 54N | 54 | UNCH | .133 | ---- | 154 | 3179 + | 49 | 134 | 2 |
| 810 | ---- | ---- | ---- | 72N | 72 | UNCH | .166 | ---- | 71 | 211 - | 36 | 154 | 3A |
| 820 | ---- | ---- | ---- | 93N | 93 | UNCH | .203 | ---- | 68 | 457 + | 38 | 183 | 4A |
| 830 | ---- | ---- | ---- | 120N | 120 | UNCH | .245 | ---- | 27 | 892 + | 12 | 193 | 10 |
| 840 | ---- | ---- | ---- | 152N | 152 | UNCH | .291 | ---- | 42 | 824 + | 3 | 281 | 4 |
| 850 | ---- | ---- | ---- | 191N | 191 | UNCH | .340 | ---- | 150 | 1908 - | 1 | 331 | 5A |
| 860 | ---- | ---- | ---- | 233N | 235 + | 2 | .390 | ---- | 61 | 1140 + | 26 | 412 | 6 |
| 870 | ---- | ---- | ---- | 283N | 285 + | 2 | .439 | ---- | 37 | 668 + | 2 | 474 | 7A |
| 880 | ---- | ---- | ---- | 337N | 342 + | 3 | .488 | ---- | 226 | 2322 + | 54 | 506 | 10A |
| 890 | ---- | ---- | ---- | 401N | 402 + | 1 | .534 | ---- | 46 | 821 + | 43 | 544 | 12A |
| 900 | ---- | ---- | ---- | 465N | 467 + | 2 | .578 | ---- | 122 | 2114 - | 73 | 600 | 15 |
| 910 | ---- | ---- | ---- | 534N | 536 + | 2 | .618 | ---- | 4 | 608 - | 2 | 590 | 20A |
| 920 | ---- | ---- | ---- | 606N | 611 + | 3 | .656 | ---- | 4 | 1035 - | 2 | 725 | 24A |
| 930 | ---- | ---- | ---- | 683N | 686 + | 3 | .690 | ---- | 44 | 783 + | 44 | 722B | 33 |
| 940 | ---- | ---- | ---- | 763N | 766 + | 3 | .721 | ---- | 25 | 1587 - | 20 | 900 | 40A |
| 950 | ---- | ---- | ---- | 844N | 847 + | 3 | .750 | ---- | ---- | 800 | UNCH | 882B | 51A |
| 960 | ---- | ---- | ---- | 927N | 932 + | 3 | .775 | ---- | ---- | 1818 | UNCH | 1077 | 64 |
| 970 | ---- | ---- | ---- | 1014N | 1017 + | 3 | .799 | ---- | ---- | 1202 | UNCH | 1053B | 84A |
| 980 | ---- | ---- | ---- | 1103N | 1105 + | 2 | .820 | ---- | 1 | 1317 | UNCH | 1230 | 107A |
| 990 | ---- | ---- | ---- | 1193N | 1195 + | 2 | .838 | ---- | ---- | 319 | UNCH | 1232B | 135A |
| 1000 | ---- | ---- | ---- | 1284N | 1285 + | 1 | .855 | ---- | 1 | 1595 - | 1 | 1323B | 167A |
| 1010 | ---- | ---- | ---- | 1374N | 1377 + | 3 | .869 | ---- | ---- | 123 | UNCH | 1415B | 205A |
| 1020 | ---- | ---- | ---- | 1466N | 1470 + | 2 | .883 | ---- | 20 | 1587 | UNCH | 1540 | 245A |
| 1030 | ---- | ---- | ---- | 1562N | 1563 + | 1 | .894 | ---- | ---- | 162 | UNCH | 1602B | 335A |
| 1040 | ---- | ---- | ---- | 1655N | 1657 + | 2 | .904 | ---- | 3 | 1461 | UNCH | 1696B | 342A |
| 1050 | ---- | ---- | ---- | 1752N | 1753 + | 1 | .914 | ---- | ---- | 62 | UNCH | 1792B | 424A |
| 1060 | ---- | ---- | ---- | 1847N | 1847 | UNCH | .923 | ---- | ---- | 445 | UNCH | 1887B | 455A |
| 1070 | ---- | ---- | ---- | 1944N | 1944 | UNCH | .931 | ---- | ---- | 1 | UNCH | 1984B | 595A |
| 1080 | ---- | ---- | ---- | 2042N | 2042 | UNCH | .936 | ---- | ---- | 39 | UNCH | 2082B | 586A |
| 1100 | ---- | ---- | ---- | 2235N | 2234 - | 1 | .948 | ---- | ---- | 24 | UNCH | 2276B | 726A |
| 1120 | ---- | ---- | ---- | 2432N | 2431 - | 1 | .956 | ---- | ---- | 2 | UNCH | 2472B | 876A |
| 1140 | ---- | ---- | ---- | 2627N | 2626 - | 1 | .964 | ---- | ---- | 17 | UNCH | 2670B | 1035A |
| 1160 | ---- | ---- | ---- | 2825N | 2824 - | 1 | .969 | ---- | ---- | 7 | UNCH | 2866B | 1201A |
| 1180 | ---- | ---- | ---- | 3024N | 3022 - | 2 | .974 | ---- | ---- | 7 | UNCH | 3064B | 1363A |
| 1200 | ---- | ---- | ---- | 3223N | 3220 - | 3 | .979 | ---- | ---- | 2 | UNCH | 3263B | 1530A |
| 1220 | ---- | ---- | ---- | 3422N | 3417 - | 3 | .982 | ---- | ---- | 7 | UNCH | 3462B | 1701A |
| 1240 | ---- | ---- | ---- | 3621N | 3616 - | 3 | .984 | ---- | ---- | 7 | UNCH | 3640B | 1876A |
| 1260 | ---- | ---- | ---- | 3821N | 3815 - | 4 | .987 | ---- | ---- | 3 | UNCH | 3832B | 2056A |
| 1300 | ---- | ---- | ---- | 4220N | 4215 - | 3 | .989 | ---- | ---- | 1 | UNCH | 4232B | 2425A |
| TOTAL | | | | | | | | | 1484 | 32412 + | 319 | | |
| OCT18 | | | | | | | | | | | | | |
| 780 | ---- | ---- | ---- | 42N | 44 + | 2 | .096 | ---- | 3 | 13 + | 3 | 46B | 36 |
| 790 | ---- | ---- | ---- | 53N | 55 + | 2 | .116 | ---- | 2 | 9 + | 2 | 60 | 50 |
| 800 | ---- | ---- | ---- | 66N | 70 + | 2 | .140 | ---- | 7 | 9 + | 7 | 75B | 65A |
| 820 | ---- | ---- | ---- | 107N | 111 + | 2 | .202 | ---- | ---- | 10 | UNCH | 122B | 86 |
| 830 | ---- | ---- | ---- | 136N | 137 + | 1 | .238 | ---- | ---- | 2 | UNCH | 152B | 110A |
| 840 | ---- | ---- | ---- | 170N | 172 + | 2 | .277 | ---- | ---- | 10 | UNCH | 185B | 137A |
| 870 | ---- | ---- | ---- | 297N | 300 + | 1 | .400 | ---- | 821 | 1022 + | 821 | 324 | 246A |
| 880 | ---- | ---- | ---- | 350N | 351 + | 1 | .441 | ---- | 2 | 10 | UNCH | 374B | 293A |
| 890 | ---- | ---- | ---- | 405N | 406 + | 1 | .481 | ---- | 7 | 8 + | 7 | 431B | 344A |
| 900 | ---- | ---- | ---- | 466N | 467 + | 1 | .519 | ---- | ---- | 3 | UNCH | 480B | 400A |
| TOTAL | | | | | | | | | 842 | 1096 + | 840 | | |
| NOV18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | 1N | 1 | UNCH | ---- | ---- | ---- | 20 | UNCH | ---- | ---- |
| 600 | ---- | ---- | ---- | 2N | 2 | UNCH | .005 | ---- | ---- | 103 | UNCH | 21 | 2 |
| 620 | ---- | ---- | ---- | 3N | 2 - | 1 | .005 | ---- | ---- | 2 | UNCH | 25 | 13 |
| 640 | ---- | ---- | ---- | 4N | 3 - | 1 | .008 | ---- | ---- | 2 | UNCH | 31 | 1A |
| 660 | ---- | ---- | ---- | 5N | 4 - | 1 | .011 | ---- | ---- | 143 | UNCH | 25 | 3 |
| 680 | ---- | ---- | ---- | 7N | 6 - | 1 | .016 | ---- | ---- | 80 | UNCH | 27 | 2 |
| 700 | ---- | ---- | ---- | 12N | 10 - | 2 | .022 | ---- | 70 | 601 + | 48 | 35 | 2 |
| 720 | ---- | ---- | ---- | 16N | 14 - | 2 | .033 | ---- | ---- | 199 | UNCH | 23 | 3 |
| 740 | ---- | ---- | ---- | 24N | 22 - | 2 | .049 | ---- | 30 | 325 | UNCH | 70 | 3 |
| 760 | ---- | ---- | ---- | 37N | 35 - | 2 | .075 | ---- | 92 | 558 + | 37 | 92 | 3 |
| 780 | ---- | ---- | ---- | 60N | 56 - | 2 | .111 | ---- | 183 | 926 - | 56 | 107 | 4 |
| 800 | ---- | ---- | ---- | 92N | 91 - | 1 | .161 | ---- | 1105 | 3839 + | 254 | 212 | 4 |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS

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Side 06

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 820 | ---- | ---- | ---- | 142N | 141 - | 1 | .223 | ---- | 581 | 6660 + | 334 | 200 | 6A |
| 840 | ---- | ---- | ---- | 211N | 210 - | 1 | .295 | ---- | 168 | 6912 + | 47 | 320 | 10 |
| 860 | ---- | ---- | ---- | 300N | 296 - | 2 | .369 | ---- | 111 | 14799 + | 16 | 400 | 14 |
| 880 | ---- | ---- | ---- | 404N | 402 - | 2 | .442 | ---- | 67 | 7432 - | 17 | 522 | 20 |
| 900 | ---- | ---- | ---- | 524N | 522 - | 2 | .511 | ---- | 1420 | 12503 + | 261 | 630 | 30 |
| 920 | ---- | ---- | ---- | 656N | 655 - | 1 | .574 | ---- | 170 | 9946 + | 30 | 786 | 50 |
| 940 | ---- | ---- | ---- | 801N | 800 - | 1 | .630 | ---- | 51 | 11400 - | 16 | 940 | 80 |
| 960 | ---- | ---- | ---- | 953N | 953 | UNCH | .679 | ---- | 17 | 10579 - | 29 | 1052 | 121 |
| 980 | ---- | ---- | ---- | 1114N | 1114 | UNCH | .723 | ---- | 412 | 4664 - | 276 | 1260 | 175A |
| 1000 | ---- | ---- | ---- | 1282N | 1282 | UNCH | .760 | ---- | 152 | 8131 - | 47 | 1454 | 242A |
| 1020 | ---- | ---- | ---- | 1455N | 1454 - | 1 | .792 | ---- | 85 | 8452 - | 31 | 1590 | 326A |
| 1040 | 1624 | 1624 | 1624 | 1624 | 1631 - | 2 | .820 | ---- | 74 | 4393 - | 6 | 1704 | 425A |
| 1060 | ---- | ---- | ---- | 1813N | 1811 - | 2 | .844 | ---- | 16 | 936 - | 16 | 1854B | 536A |
| 1080 | ---- | ---- | ---- | 1996N | 1994 - | 2 | .865 | ---- | 1 | 750 | UNCH | 2004B | 665A |
| 1100 | ---- | ---- | ---- | 2183N | 2180 - | 3 | .883 | ---- | ---- | 1197 | UNCH | 2192B | 800A |
| 1120 | ---- | ---- | ---- | 2372N | 2367 - | 3 | .898 | ---- | ---- | 398 | UNCH | 2381B | 942A |
| 1140 | ---- | ---- | ---- | 2563N | 2557 - | 4 | .912 | ---- | ---- | 937 | UNCH | 2570B | 1092A |
| 1160 | ---- | ---- | ---- | 2754N | 2747 - | 5 | .924 | ---- | ---- | 299 | UNCH | 2762B | 1261A |
| 1180 | ---- | ---- | ---- | 2947N | 2942 - | 5 | .933 | ---- | ---- | 103 | UNCH | 2955B | 1423A |
| 1200 | ---- | ---- | ---- | 3143N | 3135 - | 6 | .942 | ---- | ---- | 2543 | UNCH | 3151B | 1591A |
| 1220 | ---- | ---- | ---- | 3340N | 3331 - | 7 | .949 | ---- | ---- | 85 | UNCH | 3345B | 1763A |
| 1240 | ---- | ---- | ---- | 3535N | 3525 - | 10 | .955 | ---- | ---- | 205 | UNCH | 3542B | 1941A |
| 1260 | ---- | ---- | ---- | 3733N | 3722 - | 11 | .961 | ---- | ---- | 43 | UNCH | 3740B | 2121A |
| 1280 | ---- | ---- | ---- | 3931N | 3920 - | 11 | .966 | ---- | ---- | 41 | UNCH | 3936B | 2303A |
| 1300 | ---- | ---- | ---- | 4127N | 4116 - | 11 | .970 | ---- | ---- | 34 | UNCH | 4135B | 2490A |
| 1320 | ---- | ---- | ---- | 4326N | 4314 - | 12 | .974 | ---- | ---- | 45 | UNCH | 4333B | 2676A |
| 1340 | ---- | ---- | ---- | 4525N | 4513 - | 12 | .977 | ---- | ---- | 54 | UNCH | 4532B | 2866A |
| 1360 | ---- | ---- | ---- | 4725N | 4711 - | 14 | .979 | ---- | ---- | 32 | UNCH | 4731B | 3057A |
| 1380 | ---- | ---- | ---- | 4924N | 4911 - | 13 | .981 | ---- | ---- | 1 | UNCH | 4931B | 3251A |
| 1460 | ---- | ---- | ---- | 5724N | 5710 - | 14 | .989 | ---- | ---- | 1 | UNCH | 5730B | 4050A |
| 1480 | ---- | ---- | ---- | 5924N | 5910 - | 14 | .989 | ---- | ---- | 1 | UNCH | 5930B | 4246A |
| 1580 | ---- | ---- | ---- | 6924N | 6910 - | 14 | .993 | ---- | ---- | 24 | UNCH | 6930B | 5243A |
| TOTAL | | | | | | | | | 4805 | 120398 + | 533 | | |
| JAN19 | | | | | | | | | | | | | |
| 680 | ---- | ---- | ---- | 7N | 6 - | 1 | .016 | ---- | ---- | 30 | UNCH | ---- | 2A |
| 740 | ---- | ---- | ---- | 26N | 25 - | 1 | .052 | ---- | ---- | 1 | UNCH | 22B | 3 |
| 760 | ---- | ---- | ---- | 41N | 40 - | 1 | .076 | ---- | 1 | 1 | UNCH | 37 | 5A |
| 780 | ---- | ---- | ---- | 63N | 61 - | 2 | .109 | ---- | ---- | 49 | UNCH | 62B | 6A |
| 800 | ---- | ---- | ---- | 95N | 93 - | 2 | .155 | ---- | 22 | 95 + | 19 | 104 | 10A |
| 820 | ---- | ---- | ---- | 142N | 141 - | 1 | .211 | ---- | 14 | 55 + | 14 | 153B | 13A |
| 840 | ---- | ---- | ---- | 205N | 205 | UNCH | .276 | ---- | 15 | 46 + | 15 | 222B | 16A |
| 860 | ---- | ---- | ---- | 287N | 287 | UNCH | .344 | ---- | ---- | 77 | UNCH | 307 | 24A |
| 880 | ---- | ---- | ---- | 387N | 387 | UNCH | .413 | ---- | ---- | 132 | UNCH | 417 | 34A |
| 900 | ---- | ---- | ---- | 503N | 503 | UNCH | .479 | ---- | 86 | 1076 + | 25 | 525B | 44 |
| 920 | ---- | ---- | ---- | 630N | 630 | UNCH | .539 | ---- | ---- | 325 | UNCH | 622B | 75A |
| 940 | 774 | #774 | 774 | 774 | 767 + | 1 | .595 | ---- | 17 | 560 - | 1 | 774 | 96 |
| 960 | ---- | ---- | ---- | 914N | 914 | UNCH | .644 | ---- | ---- | 610 | UNCH | 934 | 144 |
| 980 | ---- | ---- | ---- | 1071N | 1071 | UNCH | .688 | ---- | ---- | 506 | UNCH | 1064B | 203A |
| 1000 | ---- | ---- | ---- | 1233N | 1232 - | 1 | .727 | ---- | ---- | 283 | UNCH | 1225B | 280A |
| 1020 | ---- | ---- | ---- | 1402N | 1401 - | 1 | .760 | ---- | ---- | 426 | UNCH | 1393B | 370A |
| 1040 | ---- | ---- | ---- | 1575N | 1573 - | 2 | .790 | ---- | ---- | 229 | UNCH | 1567B | 464 |
| 1060 | ---- | ---- | ---- | 1753N | 1751 - | 2 | .815 | ---- | ---- | 2 | UNCH | 1744B | 570A |
| 1080 | ---- | ---- | ---- | 1933N | 1931 - | 2 | .837 | ---- | ---- | 1 | UNCH | 1925B | 710A |
| 1100 | ---- | ---- | ---- | 2115N | 2114 - | 1 | .856 | ---- | ---- | 2 | UNCH | 2110B | 841A |
| TOTAL | | | | | | | | | 155 | 4506 + | 72 | | |
| MAR19 | | | | | | | | | | | | | |
| 620 | ---- | ---- | ---- | 3N | 1 - | 2 | .003 | ---- | ---- | 30 | UNCH | ---- | 4A |
| 740 | ---- | ---- | ---- | 26N | 24 + | NEW | .049 | ---- | 5 | 5 + | 5 | 25 | 10A |
| 780 | ---- | ---- | ---- | 65N | 63 - | 2 | .109 | ---- | 2 | 101 + | 2 | 65 | 10A |
| 800 | ---- | ---- | ---- | 101N | 100 - | 1 | .155 | ---- | 51 | 904 + | 31 | 110 | 6 |
| 820 | ---- | ---- | ---- | 151N | 150 - | 1 | .209 | ---- | 46 | 90 + | 30 | 152B | 24A |
| 840 | ---- | ---- | ---- | 216N | 215 - | 1 | .271 | ---- | ---- | 36 | UNCH | 221B | 32A |
| 860 | ---- | ---- | ---- | 297N | 300 + | 1 | .335 | ---- | ---- | 27 | UNCH | 313 | 40 |
| 880 | ---- | ---- | ---- | 396N | 397 + | 1 | .399 | ---- | 43 | 443 + | 30 | 416 | 74A |
| 900 | ---- | ---- | ---- | 507N | 511 + | 2 | .461 | ---- | ---- | 605 | UNCH | 536 | 93 |
| 920 | ---- | ---- | ---- | 632N | 634 + | 2 | .518 | ---- | ---- | 432 | UNCH | 630B | 101 |
| 940 | ---- | ---- | ---- | 766N | 767 + | 1 | .571 | ---- | ---- | 376 | UNCH | 765B | 146A |
| 960 | ---- | ---- | ---- | 913N | 911 - | 2 | .619 | ---- | ---- | 480 | UNCH | 910B | 203A |
| 980 | ---- | ---- | ---- | 1070N | 1062 - | 6 | .662 | ---- | ---- | 632 | UNCH | 1061B | 276A |
| 1000 | ---- | ---- | ---- | 1226N | 1217 - | 7 | .701 | ---- | ---- | 432 | UNCH | 1220B | 356 |
| 1020 | ---- | ---- | ---- | 1390N | 1381 - | 7 | .736 | ---- | ---- | 245 | UNCH | 1383B | 464A |
| 1040 | ---- | ---- | ---- | 1555N | 1550 - | 5 | .767 | ---- | ---- | 91 | UNCH | 1552B | 576A |
| TOTAL | | | | | | | | | 147 | 4929 + | 98 | | |
| MAY19 | | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | 106N | 103 - | 3 | .151 | ---- | ---- | 820 | UNCH | 24B | 100A |
| 860 | ---- | ---- | ---- | 274N | 266 - | 6 | .310 | ---- | ---- | 17 | UNCH | 250 | 60 |
| 900 | ---- | ---- | ---- | 475N | 465 - | 10 | .436 | ---- | ---- | 23 | UNCH | 442 | 394 |
| 920 | ---- | ---- | ---- | 596N | 585 - | 11 | .495 | ---- | ---- | 410 | UNCH | ---- | ---- |
| 940 | ---- | ---- | ---- | 730N | 716 - | 12 | .549 | ---- | ---- | 98 | UNCH | ---- | ---- |
| 960 | ---- | ---- | ---- | 871N | 856 - | 13 | .598 | ---- | ---- | 46 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | 1172N | 1156 - | 14 | .683 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 1020 | ---- | ---- | ---- | 1333N | 1315 - | 16 | .720 | ---- | ---- | 40 | UNCH | 650 | 650 |
| 1040 | ---- | ---- | ---- | 1497N | 1481 - | 16 | .753 | ---- | ---- | 10 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1474 | | | |
| JUL19 | | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | 107N | 105 - | 2 | .147 | ---- | ---- | 1 | UNCH | 80 | 80 |
| 820 | ---- | ---- | ---- | 143N | 141 - | 2 | .186 | ---- | ---- | 1 | UNCH | 60 | 60 |
| 900 | ---- | ---- | ---- | 444N | 437 - | 5 | .413 | ---- | 4 | 14 + | 4 | 120 | 90 |
| 920 | ---- | ---- | ---- | 560N | 552 - | 6 | .471 | ---- | ---- | 2 | UNCH | 210 | 206A |
| 940 | ---- | ---- | ---- | 684N | 676 - | 6 | .526 | ---- | ---- | 5 | UNCH | 230 | 230 |
| 960 | ---- | ---- | ---- | 820N | 811 - | 7 | .576 | ---- | ---- | 5 | UNCH | 300 | 300A |
| TOTAL | | | | | | | | | 4 | 28 + | 4 | | |
| AUG19 | | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | 350N | 345 - | 3 | .355 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1 | | | |
| NOV19 | | | | | | | | | | | | | |
| 700 | ---- | ---- | ---- | 34N | 37 + | 3 | .054 | ---- | ---- | 2 | UNCH | 20 | 14 |
| 720 | ---- | ---- | ---- | 46N | 51 + | 3 | .071 | ---- | ---- | 3 | UNCH | 24 | 10 |
| 740 | ---- | ---- | ---- | 62N | 65 + | 3 | .090 | ---- | ---- | 1 | UNCH | 32 | 32 |
| 760 | ---- | ---- | ---- | 82N | 86 + | 4 | .115 | ---- | ---- | 1 | UNCH | 22 | 22 |
| 780 | ---- | ---- | ---- | 111N | 114 + | 3 | .146 | ---- | ---- | 4 | UNCH | 90 | 32 |
| 800 | ---- | ---- | ---- | 150N | 153 + | 3 | .185 | ---- | ---- | 9 | UNCH | 100 | 30 |
| 820 | ---- | ---- | ---- | 204N | 206 + | 2 | .232 | ---- | ---- | 16 | UNCH | 134B | 70 |
| 840 | ---- | ---- | ---- | 275N | 276 + | 1 | .285 | ---- | ---- | 8 | UNCH | 224 | 74 |
| 860 | ---- | ---- | ---- | 363N | 363 | UNCH | .340 | ---- | ---- | 32 | UNCH | 264 | 120 |
| 880 | ---- | ---- | ---- | 464N | 463 - | 1 | .394 | ---- | ---- | 18 | UNCH | 340 | 230A |
| 900 | ---- | ---- | ---- | 575N | 575 | UNCH | .447 | ---- | 501 | 820 + | 499 | 570B | 170 |
| 920 | ---- | ---- | ---- | 695N | 696 + | 1 | .497 | ---- | ---- | 50 | UNCH | 590 | 350 |
| 940 | ---- | ---- | ---- | 823N | 826 + | 3 | .543 | ---- | ---- | 105 | UNCH | 590 | 310 |
| 960 | ---- | ---- | ---- | 960N | 964 + | 4 | .586 | ---- | ---- | 16 | UNCH | 610 | 340 |
| 980 | ---- | ---- | ---- | 1103N | 1110 + | 5 | .625 | ---- | ---- | 111 | UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | 1254N | 1261 + | 5 | .661 | ---- | 1 | 637 - | 1 | 993B | 620 |
| 1020 | ---- | ---- | ---- | 1413N | 1416 + | 3 | .693 | ---- | ---- | 1 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 502 | 1834 + | 498 | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*



**FINAL**



## SOYBEAN WEEKLY CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S WK1 CALL | | | | | | | | | | | |
| JUL18 | S WK1 CALL | | | | | | | | | | |
| 830 | ---- | ---- | ---- | 466N | 465 - 1 | .858 | ---- | ---- | 2 UNCH | 723B | 441A |
| 840 | ---- | ---- | ---- | 384N | 383 - 1 | .799 | ---- | ---- | 8 UNCH | 637B | 363A |
| 870 | ---- | ---- | ---- | 185N | 190 + NEW | .538 | ---- | 1 | 1 + 1 | 400B | 173A |
| 880 | ---- | ---- | ---- | 137N | 143 + NEW | .443 | ---- | 2 | 2 + 2 | 423B | 130A |
| 900 | ---- | ---- | ---- | 72N | 75 + 3 | .272 | ---- | 3 | 2 + 1 | 431B | 70A |
| 910 | ---- | ---- | ---- | 50N | 54 + 4 | .205 | ---- | ---- | 14 UNCH | 357B | 50A |
| 920 | ---- | ---- | ---- | 34N | 40 + 4 | .153 | ---- | ---- | 15 UNCH | 295B | 34A |
| 930 | ---- | ---- | ---- | 23N | 27 + 4 | .112 | ---- | 2 | 3 - 2 | 240B | 24A |
| 940 | ---- | ---- | ---- | 16N | 21 + 3 | .083 | ---- | ---- | 17 UNCH | 192B | 16A |
| 950 | ---- | ---- | ---- | 12N | 15 + 3 | .063 | ---- | ---- | 19 UNCH | 155B | 13A |
| 1000 | ---- | ---- | ---- | 4N | 3 - 1 | .014 | ---- | 40 | 42 + 40 | 10 | 4 |
| 1040 | ---- | ---- | ---- | 3N | 1 + NEW | .004 | ---- | 1 | 1 + 1 | 2 | 2 |
| 1050 | ---- | ---- | ---- | 2N | 1 + NEW | .002 | ---- | 1 | 1 + 1 | 1 | 1 |
| TOTAL | | | | | | | | 50 | 127 + 44 | | |
| S WK2 CALL | | | | | | | | | | | |
| JUL18 | S WK2 CALL | | | | | | | | | | |
| 880 | ---- | ---- | ---- | 180N | 181 + 1 | .458 | ---- | 1 | 2 + 1 | 324B | 173A |
| 890 | ---- | ---- | ---- | 141N | 143 + 2 | .385 | ---- | ---- | 3 UNCH | 267B | 136A |
| 900 | ---- | ---- | ---- | 107N | 112 + 3 | .319 | ---- | ---- | 10 UNCH | 220B | 106A |
| 950 | ---- | ---- | ---- | 30N | 30 UNCH | .102 | ---- | ---- | 1 UNCH | 73B | 32A |
| 980 | ---- | ---- | ---- | 14N | 15 + 1 | .055 | ---- | ---- | 1 UNCH | 16 | 16 |
| TOTAL | | | | | | | | 1 | 17 + 1 | | |
| S WK5 CALL | | | | | | | | | | | |
| JUN18 | S WK5 CALL | | | | | | | | | | |
| 870 | ---- | ---- | ---- | 154N | 142 - 12 | .551 | ---- | ---- | 4 UNCH | 673B | 141A |
| 880 | ---- | ---- | ---- | 106N | 90 - 16 | .394 | ---- | 2 | 10 UNCH | 583B | 94A |
| 890 | ---- | ---- | ---- | 70N | 55 - 13 | .254 | ---- | 1 | 74 UNCH | 496B | 60A |
| 900 | ---- | ---- | ---- | 43N | 33 - 10 | .149 | ---- | 89 | 187 + 87 | 415B | 34 |
| 910 | ---- | ---- | ---- | 24N | 20 - 4 | .081 | ---- | 76 | 398 + 76 | 342B | 20A |
| 920 | ---- | ---- | ---- | 14N | 10 - 4 | .036 | ---- | 40 | 402 + 39 | 492B | 11 |
| 930 | ---- | ---- | ---- | 10N | 4 - 4 | .015 | ---- | 96 | 583 + 96 | 405B | 6A |
| 940 | ---- | ---- | ---- | 5N | 2 - 3 | .006 | ---- | 90 | 493 + 51 | 323B | 5 |
| 950 | ---- | ---- | ---- | 4N | 2 - 2 | .005 | ---- | 40 | 68 + 38 | 252B | 2 |
| 960 | ---- | ---- | ---- | 3N | 2 - 1 | .004 | ---- | 10 | 25 + 9 | 200B | 2 |
| 970 | ---- | ---- | ---- | 2N | 2 UNCH | .004 | ---- | ---- | 200 UNCH | 182B | 2A |
| 980 | ---- | ---- | ---- | 2N | 1 - 1 | .001 | ---- | ---- | 10 UNCH | 140B | 2 |
| 990 | ---- | ---- | ---- | 2N | 1 - 1 | .000 | ---- | ---- | 20 UNCH | 104B | 1 |
| 1000 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 140 UNCH | 210B | 3 |
| 1010 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 20 UNCH | 161B | 2 |
| TOTAL | | | | | | | | 444 | 2634 + 396 | | |

## SOYBEAN WEEKLY PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S WK1 PUT | | | | | | | | | | | |
| JUL18 | S WK1 PUT | | | | | | | | | | |
| 790 | ---- | ---- | ---- | 7N | 10 + NEW | .037 | ---- | 1 | 1 + 1 | 26B | 5 |
| 800 | ---- | ---- | ---- | 12N | 13 + NEW | .052 | ---- | 1 | 1 + 1 | 35B | 10 |
| 810 | ---- | ---- | ---- | 16N | 16 UNCH | .069 | ---- | 55 | 55 + 55 | 47B | 13A |
| 820 | ---- | ---- | ---- | 25N | 24 + NEW | .099 | ---- | 300 | 300 + 300 | 63B | 15A |
| 830 | ---- | ---- | ---- | 36N | 35 - 1 | .141 | ---- | 55 | 65 + 55 | 83B | 20A |
| 850 | ---- | ---- | ---- | 80N | 80 UNCH | .277 | ---- | ---- | 10 UNCH | 140B | 36A |
| 860 | ---- | ---- | ---- | 113N | 114 + NEW | .366 | ---- | 300 | 300 + 300 | 174B | 47A |
| 870 | ---- | ---- | ---- | 155N | 160 + 3 | .461 | ---- | ---- | 3 UNCH | 216B | 62A |
| 880 | ---- | ---- | ---- | 207N | 213 + 4 | .556 | ---- | ---- | 22 UNCH | 266B | 81A |
| 900 | ---- | ---- | ---- | 342N | 345 + 3 | .728 | ---- | ---- | 1 UNCH | 386B | 142A |
| 920 | ---- | ---- | ---- | 504N | 510 + 4 | .846 | ---- | ---- | 10 UNCH | 543B | 80 |
| 930 | ---- | ---- | ---- | 593N | 597 + 4 | .887 | ---- | ---- | 3 UNCH | 633B | 294A |
| 940 | ---- | ---- | ---- | 685N | 691 + 4 | .916 | ---- | ---- | 16 UNCH | 725B | 362A |
| 950 | ---- | ---- | ---- | 782N | 785 + 3 | .936 | ---- | ---- | 1 UNCH | 821B | 434A |
| TOTAL | | | | | | | | 712 | 788 + 712 | | |
| S WK2 PUT | | | | | | | | | | | |
| JUL18 | S WK2 PUT | | | | | | | | | | |
| 830 | ---- | ---- | ---- | 62N | 61 - 1 | .191 | ---- | ---- | 2 UNCH | 71B | 35A |
| 850 | ---- | ---- | ---- | 112N | 113 + 1 | .314 | ---- | ---- | 1 UNCH | 127B | 63A |
| 860 | ---- | ---- | ---- | 147N | 151 + 2 | .388 | ---- | ---- | 15 UNCH | 170B | 84A |
| TOTAL | | | | | | | | 0 | 18 | | |
| S WK5 PUT | | | | | | | | | | | |
| JUN18 | S WK5 PUT | | | | | | | | | | |
| 770 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 12 UNCH | 2 | 2 |
| 780 | ---- | ---- | ---- | 1N | 1 UNCH | .000 | ---- | ---- | 18 UNCH | 10B | 2 |
| 790 | ---- | ---- | ---- | 2N | 1 - 1 | .002 | ---- | ---- | 30 UNCH | 13B | 2 |
| 800 | ---- | ---- | ---- | 3N | 2 - 1 | .005 | ---- | 14 | 146 + 14 | 17B | 2 |
| 810 | ---- | ---- | ---- | 4N | 3 - 1 | .009 | ---- | 1 | 41 + 1 | 62 | 3 |
| 820 | ---- | ---- | ---- | 7N | 5 - 2 | .019 | ---- | 5 | 91 + 5 | 35B | 4 |
| 830 | ---- | ---- | ---- | 15N | 12 - 3 | .045 | ---- | 15 | 272 + 15 | 47B | 7A |
| 840 | ---- | ---- | ---- | 30N | 22 - 6 | .092 | ---- | 46 | 176 + 45 | 66B | 16A |
| 850 | ---- | ---- | ---- | 51N | 41 - 10 | .177 | ---- | 2 | 225 + 2 | 101 | 17 |
| 860 | ---- | ---- | ---- | 82N | 71 - 11 | .301 | ---- | 141 | 309 + 131 | 121B | 26 |
| 870 | ---- | ---- | ---- | 124N | 112 - 12 | .448 | ---- | 14 | 333 - 3 | 175 | 42A |
| 880 | ---- | ---- | ---- | 176N | 160 - 16 | .605 | ---- | 10 | 193 - 4 | 211B | 66 |
| 890 | ---- | ---- | ---- | 240N | 225 - 13 | .745 | ---- | ---- | 1 UNCH | 275B | 100A |
| 900 | ---- | ---- | ---- | 313N | 303 - 10 | .851 | ---- | ---- | 45 UNCH | 392 | 22A |
| 930 | ---- | ---- | ---- | 577N | 574 - 3 | .984 | ---- | ---- | 32 UNCH | 775 | 51A |
| 940 | ---- | ---- | ---- | 675N | 672 - 3 | .993 | ---- | ---- | 34 UNCH | 716B | 53 |
| 960 | ---- | ---- | ---- | 873N | 872 - 1 | .995 | ---- | ---- | 7 UNCH | 914B | 135A |
| 990 | ---- | ---- | ---- | 1172N | 1171 - 1 | .999 | ---- | ---- | 44 UNCH | 1212B | 87A |
| TOTAL | | | | | | | | 248 | 2009 + 206 | | |

## CONSECUTIVE SOYBEAN CSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SOYBN NRBY C | | | | | | | | | | | |
| SEP18 | SOYBN NRBY C | | | | | | | | | | |
| 0 | ---- | ---- | ---- | 12N | 10 - 2 | .167 | ---- | ---- | 10 UNCH | 14 | 14 |
| TOTAL | | | | | | | | 0 | 10 | | |

## NOV-NOV SOYBEAN CSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SX-SX CSO C | | | | | | | | | | | |
| NOV18 | SX-SX CSO C | | | | | | | | | | |
| 0 | ---- | ---- | ---- | 136N | 135 - 1 | .367 | ---- | ---- | 1 UNCH | 570 | 190 |
| 5 | ---- | ---- | ---- | 122N | 121 - 1 | .334 | ---- | ---- | 4 UNCH | 450 | 190 |
| TOTAL | | | | | | | | 0 | 5 | | |

## SOYMEAL CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY MEAL CALL | | | | | | | | | | | |
| AUG18 | SOY MEAL CALL | | | | | | | | | | |
| 310 | ---- | ---- | ---- | 2450N | 2425 - 25 | .847 | ---- | ---- | 24 UNCH | 9180B | 2340A |
| 320 | ---- | ---- | ---- | 1700N | 1680 - 20 | .713 | ---- | ---- | 43 UNCH | 8220B | 1620A |
| 330 | ---- | ---- | ---- | 1140N | 1125 - 15 | .551 | ---- | 3 | 676 + 3 | 7275B | 950 |
| 335 | ---- | ---- | ---- | 925N | 920 - 5 | .473 | ---- | 416 | 627 + 392 | 6810B | 860A |
| 340 | ---- | ---- | ---- | 745N | 750 + 5 | .402 | ---- | 3 | 190 + 2 | 6360B | 700A |
| 345 | ---- | ---- | ---- | 605N | 615 + 10 | .340 | ---- | 23 | 187 + 10 | 5925B | 570 |
| 350 | ---- | ---- | ---- | 495N | 505 + 10 | .286 | ---- | 43 | 1007 + 19 | 5505B | 465 |
| 355 | ---- | ---- | ---- | 410N | 415 + 5 | .240 | ---- | ---- | 259 UNCH | 5100B | 385 |
| 360 | ---- | ---- | ---- | 340N | 345 + 5 | .202 | ---- | 31 | 3347 UNCH | 4725B | 320A |
| 365 | ---- | ---- | ---- | 280N | 285 + 5 | .170 | ---- | 20 | 354 + 1 | 4380B | 265A |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 370 | ---- | ---- | ---- | 230N | 235 + | 5 | .142 | ---- | 100 | 1952 + | 22 | 4035B | 220 |
| 375 | ---- | ---- | ---- | 190N | 195 + | 5 | .119 | ---- | 1 | 2069 - | 1 | 3705B | 185A |
| 380 | ---- | ---- | ---- | 155N | 165 + | 10 | .101 | ---- | 2 | 4919 + | 2 | 3405B | 155A |
| 385 | ---- | ---- | ---- | 130N | 135 + | 5 | .083 | ---- | ---- | 160 | UNCH | 3120B | 135A |
| 390 | ---- | ---- | ---- | 110N | 115 + | 5 | .071 | ---- | 50 | 1401 - | 40 | 2895B | 110A |
| 395 | ---- | ---- | ---- | 95N | 95 | UNCH | .059 | ---- | ---- | 879 | UNCH | 2655B | 95A |
| 400 | ---- | ---- | ---- | 80N | 80 | UNCH | .050 | ---- | 2 | 3983 | UNCH | 2430B | 75 |
| 405 | ---- | ---- | ---- | 70N | 65 - | 5 | .041 | ---- | 1 | 1065 | UNCH | 2225B | 70A |
| 410 | ---- | ---- | ---- | 60N | 55 - | 5 | .035 | ---- | ---- | 1172 | UNCH | 2045B | 60A |
| 415 | ---- | ---- | ---- | 50N | 50 | UNCH | .031 | ---- | 15 | 122 - | 4 | 1870B | 45 |
| 420 | ---- | ---- | ---- | 45N | 40 - | 5 | .025 | ---- | 6 | 1384 - | 5 | 1715B | 45 |
| 425 | ---- | ---- | ---- | 40N | 35 - | 5 | .022 | ---- | 1 | 1602 - | 1 | 1600 | 40A |
| 430 | ---- | ---- | ---- | 35N | 25 - | 10 | .016 | ---- | 5 | 499 - | 5 | 1445B | 30 |
| 435 | ---- | ---- | ---- | 30N | 20 - | 10 | .013 | ---- | ---- | 186 | UNCH | 1325B | 35A |
| 440 | ---- | ---- | ---- | 25N | 20 - | 5 | .012 | ---- | ---- | 641 | UNCH | 1215B | 30A |
| 445 | ---- | ---- | ---- | 20N | 15 - | 5 | .009 | ---- | ---- | 152 | UNCH | 1110B | 25A |
| 450 | ---- | ---- | ---- | 20N | 15 - | 5 | .009 | ---- | ---- | 1127 | UNCH | 1015B | 25A |
| 455 | ---- | ---- | ---- | 20N | 15 - | 5 | .009 | ---- | ---- | 95 | UNCH | 930B | 30 |
| 460 | ---- | ---- | ---- | 20N | 15 - | 5 | .009 | ---- | ---- | 2003 | UNCH | 850B | 20 |
| 465 | ---- | ---- | ---- | 15N | 15 | UNCH | .008 | ---- | ---- | 58 | UNCH | 775B | 25 |
| 470 | ---- | ---- | ---- | 15N | 15 | UNCH | .008 | ---- | ---- | 29 | UNCH | 710B | 25A |
| 475 | ---- | ---- | ---- | 15N | 15 | UNCH | .008 | ---- | ---- | 33 | UNCH | 650B | 25 |
| 480 | ---- | ---- | ---- | 15N | 15 | UNCH | .008 | ---- | ---- | 72 | UNCH | 595B | 20A |
| 485 | ---- | ---- | ---- | 15N | 15 | UNCH | .008 | ---- | ---- | 25 | UNCH | 540B | 15 |
| 490 | ---- | ---- | ---- | 15N | 15 | UNCH | .007 | ---- | ---- | 284 | UNCH | 495B | 15 |
| 495 | ---- | ---- | ---- | 10N | 10 | UNCH | .005 | ---- | ---- | 55 | UNCH | 450B | 15 |
| 500 | ---- | ---- | ---- | 10N | 10 | UNCH | .005 | ---- | ---- | 152 | UNCH | 420 | 10 |
| 505 | ---- | ---- | ---- | 10N | 10 | UNCH | .005 | ---- | ---- | 20 | UNCH | 380B | 10 |
| 510 | ---- | ---- | ---- | 10N | 10 | UNCH | .005 | ---- | ---- | 61 | UNCH | 355 | 10 |
| 515 | ---- | ---- | ---- | 5N | 5 | UNCH | .002 | ---- | ---- | 42 | UNCH | 320B | 10A |
| 520 | ---- | ---- | ---- | 5N | 5 | UNCH | .002 | ---- | ---- | 65 | UNCH | 300 | 10A |
| 525 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 22 | UNCH | 270B | 15A |
| 530 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 58 | UNCH | 250B | 10A |
| 535 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 11 | UNCH | 230B | 10A |
| 540 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 67 | UNCH | 225 | 10A |
| 545 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 35 | UNCH | 190B | 5 |
| 550 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 127 | UNCH | 180B | 5A |
| 565 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 11 | UNCH | 140B | 5A |
| 600 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 11 | UNCH | 80B | 5 |
| TOTAL | | | | | | | | | 722 | 33363 + | 395 | | |
| SEP18 | | | | | | | | | | | | | |
| 310 | ---- | ---- | ---- | 2645N | 2595 - | 50 | .785 | ---- | ---- | 1497 | UNCH | 8820B | 1835 |
| 320 | ---- | ---- | ---- | 1980N | 1940 - | 40 | .667 | ---- | 1 | 22 | UNCH | 7875B | 1905A |
| 330 | ---- | ---- | ---- | 1465N | 1435 - | 30 | .543 | ---- | ---- | 510 | UNCH | 6975B | 1390A |
| 335 | ---- | ---- | ---- | 1255N | 1230 - | 25 | .485 | ---- | ---- | 326 | UNCH | 4505B | 1195A |
| 340 | ---- | ---- | ---- | 1075N | 1055 - | 20 | .430 | ---- | 72 | 462 + | 72 | 6105B | 1025A |
| 345 | ---- | ---- | ---- | 925N | 910 - | 15 | .381 | ---- | ---- | 20 | UNCH | 3655B | 880A |
| 350 | ---- | ---- | ---- | 795N | 785 - | 10 | .336 | ---- | 29 | 2281 + | 7 | 5310B | 755A |
| 355 | ---- | ---- | ---- | 685N | 680 - | 5 | .297 | ---- | ---- | 64 | UNCH | 2900B | 650A |
| 360 | ---- | ---- | ---- | 590N | 590 | UNCH | .262 | ---- | 12 | 2650 + | 5 | 4590B | 565A |
| 365 | ---- | ---- | ---- | 510N | 510 | UNCH | .230 | ---- | ---- | 357 | UNCH | 2300B | 490A |
| 370 | ---- | ---- | ---- | 440N | 445 + | 5 | .203 | ---- | 3 | 2131 | UNCH | 3930B | 425A |
| 375 | ---- | ---- | ---- | 385N | 385 | UNCH | .178 | ---- | ---- | 891 | UNCH | 1795B | 370A |
| 380 | ---- | ---- | ---- | 335N | 335 | UNCH | .157 | ---- | 20 | 1679 - | 8 | 3345B | 325A |
| 385 | ---- | ---- | ---- | 295N | 295 | UNCH | .139 | ---- | ---- | 103 | UNCH | 1390B | 285A |
| 390 | ---- | ---- | ---- | 255N | 255 | UNCH | .121 | ---- | 53 | 2100 + | 50 | 2865B | 240 |
| 395 | ---- | ---- | ---- | 225N | 225 | UNCH | .108 | ---- | ---- | 9 | UNCH | 1075B | 220A |
| 400 | ---- | ---- | ---- | 200N | 200 | UNCH | .096 | ---- | 130 | 2914 - | 51 | 2445B | 185 |
| 405 | ---- | ---- | ---- | 175N | 175 | UNCH | .084 | ---- | ---- | 85 | UNCH | 825B | 150 |
| 410 | ---- | ---- | ---- | 155N | 160 + | 5 | .077 | ---- | ---- | 578 | UNCH | 2070B | 150 |
| 415 | ---- | ---- | ---- | 140N | 140 | UNCH | .068 | ---- | ---- | 5 | UNCH | 630B | 135A |
| 420 | ---- | ---- | ---- | 125N | 125 | UNCH | .060 | ---- | 1 | 2825 | UNCH | 1755B | 120A |
| 425 | ---- | ---- | ---- | 110N | 115 + | 5 | .055 | ---- | ---- | 556 | UNCH | 485B | 105 |
| 430 | ---- | ---- | ---- | 100N | 100 | UNCH | .048 | ---- | ---- | 2650 | UNCH | 1485B | 100A |
| 435 | ---- | ---- | ---- | 90N | 90 | UNCH | .044 | ---- | ---- | 1 | UNCH | 370B | 90A |
| 440 | ---- | ---- | ---- | 80N | 80 | UNCH | .039 | ---- | 4 | 726 - | 4 | 1260B | 85A |
| 445 | ---- | ---- | ---- | 70N | 70 | UNCH | .034 | ---- | 10 | 29 + | 10 | 285 | 75A |
| 450 | ---- | ---- | ---- | 65N | 65 | UNCH | .031 | ---- | ---- | 1617 | UNCH | 1100 | 70A |
| 455 | ---- | ---- | ---- | 60N | 55 - | 5 | .027 | ---- | ---- | 4 | UNCH | 220B | 65A |
| 460 | ---- | ---- | ---- | 55N | 50 - | 5 | .024 | ---- | ---- | 43 | UNCH | 915B | 60A |
| 470 | ---- | ---- | ---- | 45N | 40 - | 5 | .020 | ---- | ---- | 372 | UNCH | 815 | 50A |
| 475 | ---- | ---- | ---- | 45N | 35 - | 10 | .017 | ---- | ---- | 25 | UNCH | 90B | 60 |
| 480 | ---- | ---- | ---- | 40N | 35 - | 5 | .017 | ---- | ---- | 305 | UNCH | 660B | 40 |
| 495 | ---- | ---- | ---- | 30N | 25 - | 5 | .012 | ---- | ---- | 1 | UNCH | 50 | 45A |
| 500 | ---- | ---- | ---- | 30N | 25 - | 5 | .012 | ---- | ---- | 1043 | UNCH | 470B | 35 |
| 505 | ---- | ---- | ---- | 30N | 25 - | 5 | .012 | ---- | ---- | 2 | UNCH | 45B | 35A |
| 510 | ---- | ---- | ---- | 25N | 20 - | 5 | .009 | ---- | ---- | 10 | UNCH | 395B | 40A |
| 520 | ---- | ---- | ---- | 25N | 20 - | 5 | .009 | ---- | ---- | 30 | UNCH | 340B | 35A |
| 530 | ---- | ---- | ---- | 20N | 15 - | 5 | .007 | ---- | ---- | 10 | UNCH | 285 | 30A |
| 540 | ---- | ---- | ---- | 20N | 15 - | 5 | .007 | ---- | ---- | 10 | UNCH | 245B | 30A |
| 545 | ---- | ---- | ---- | 20N | 15 - | 5 | .006 | ---- | ---- | 75 | UNCH | 35 | 20A |
| 550 | ---- | ---- | ---- | 20N | 15 - | 5 | .006 | ---- | ---- | 125 | UNCH | 210B | 20A |
| 580 | ---- | ---- | ---- | 15N | 10 - | 5 | .004 | ---- | ---- | 1 | UNCH | 135B | 15 |
| TOTAL | | | | | | | | | 335 | 29144 + | 81 | | |
| OCT18 | | | | | | | | | | | | | |
| 310 | ---- | ---- | ---- | 2730N | 2685 - | 45 | .757 | ---- | ---- | 10 | UNCH | 8440B | 2685A |
| 330 | ---- | ---- | ---- | 1610N | 1590 - | 20 | .539 | ---- | ---- | 36 | UNCH | 6620B | 1555A |
| 340 | ---- | ---- | ---- | 1235N | 1220 - | 15 | .440 | ---- | ---- | 310 | UNCH | 5785B | 1190A |
| 350 | ---- | ---- | ---- | 950N | 940 - | 10 | .355 | ---- | 57 | 199 - | 57 | 5050B | 910A |
| 360 | ---- | ---- | ---- | 735N | 730 - | 5 | .285 | ---- | ---- | 955 | UNCH | 4355B | 705A |
| 370 | ---- | ---- | ---- | 575N | 570 - | 5 | .229 | ---- | ---- | 200 | UNCH | 3765B | 550A |
| 380 | ---- | ---- | ---- | 450N | 445 - | 5 | .183 | ---- | ---- | 279 | UNCH | 3225B | 435A |
| 390 | ---- | ---- | ---- | 355N | 350 - | 5 | .147 | ---- | ---- | 634 | UNCH | 2760B | 345A |
| 400 | ---- | ---- | ---- | 280N | 275 - | 5 | .118 | ---- | 57 | 1251 | UNCH | 2385B | 270A |
| 410 | ---- | ---- | ---- | 220N | 220 | UNCH | .095 | ---- | 5 | 237 | UNCH | 2040B | 220A |
| 415 | ---- | ---- | ---- | 195N | 195 | UNCH | .085 | ---- | 1 | 1 + | 1 | 200 | 200A |
| 420 | ---- | ---- | ---- | 175N | 175 | UNCH | .077 | ---- | 1 | 43 - | 1 | 1750B | 170 |
| 430 | ---- | ---- | ---- | 140N | 140 | UNCH | .062 | ---- | ---- | 52 | UNCH | 1500B | 145A |
| 440 | ---- | ---- | ---- | 110N | 115 + | 5 | .051 | ---- | ---- | 76 | UNCH | 1280B | 125A |
| 450 | ---- | ---- | ---- | 90N | 90 | UNCH | .041 | ---- | ---- | 610 | UNCH | 1090B | 105 |
| 460 | ---- | ---- | ---- | 75N | 75 | UNCH | .034 | ---- | ---- | 7 | UNCH | 935B | 95A |
| 470 | ---- | ---- | ---- | 60N | 60 | UNCH | .027 | ---- | ---- | 1 | UNCH | 800B | 80A |
| 480 | ---- | ---- | ---- | 55N | 50 - | 5 | .023 | ---- | ---- | 2 | UNCH | 680B | 80A |
| 490 | ---- | ---- | ---- | 45N | 40 - | 5 | .018 | ---- | ---- | 26 | UNCH | 585B | 70A |
| 500 | ---- | ---- | ---- | 40N | 35 - | 5 | .016 | ---- | ---- | 427 | UNCH | 490B | 55 |
| 510 | ---- | ---- | ---- | 35N | 30 - | 5 | .013 | ---- | ---- | 6 | UNCH | 425B | 40 |
| 530 | ---- | ---- | ---- | 25N | 20 - | 5 | .009 | ---- | ---- | 1 | UNCH | 320 | 70A |
| 550 | ---- | ---- | ---- | 20N | 15 - | 5 | .007 | ---- | ---- | 3 | UNCH | 230B | 50A |
| 560 | ---- | ---- | ---- | 20N | 15 - | 5 | .006 | ---- | ---- | 5 | UNCH | 200B | 45A |
| 570 | ---- | ---- | ---- | 20N | 10 - | 10 | .004 | ---- | ---- | 4 | UNCH | 170B | 40A |
| TOTAL | | | | | | | | | 121 | 5375 - | 57 | | |
| DEC18 | | | | | | | | | | | | | |
| 280 | ---- | ---- | ---- | 5375N | 5280 - | 95 | .921 | ---- | ---- | 1 | UNCH | 11035B | 5265A |
| 310 | ---- | ---- | ---- | 3030N | 2980 - | 50 | .716 | ---- | ---- | 20 | UNCH | 8170B | 2565A |
| 320 | ---- | ---- | ---- | 2445N | 2410 - | 35 | .628 | ---- | ---- | 729 | UNCH | 7280B | 2110 |
| 330 | ---- | ---- | ---- | 1970N | 1940 - | 30 | .540 | ---- | ---- | 2718 | UNCH | 6435B | 1765A |
| 340 | ---- | ---- | ---- | 1585N | 1570 - | 15 | .460 | ---- | 1006 | 1992 + | 978 | 5690B | 1380 |
| 350 | ---- | ---- | ---- | 1285N | 1275 - | 10 | .389 | ---- | 11 | 610 + | 5 | 4980B | 1220A |
| 360 | ---- | ---- | ---- | 1045N | 1040 - | 5 | .328 | ---- | 27 | 2006 + | 23 | 4400B | 1005A |
| 370 | ---- | ---- | ---- | 855N | 850 - | 5 | .275 | ---- | 13 | 811 + | 2 | 3830B | 820A |
| 380 | ---- | ---- | ---- | 700N | 700 | UNCH | .232 | ---- | 47 | 1352 + | 32 | 3325B | 650 |
| 390 | ---- | ---- | ---- | 575N | 580 + | 5 | .195 | ---- | 5 | 3124 - | 2 | 2890B | 565A |
| 400 | ---- | ---- | ---- | 475N | 480 + | 5 | .165 | ---- | 493 | 4881 - | 96 | 2505B | 450 |
| 410 | ---- | ---- | ---- | 390N | 395 + | 5 | .138 | ---- | ---- | 1089 | UNCH | 2175B | 390A |
| 420 | ---- | ---- | ---- | 325N | 330 + | 5 | .117 | ---- | ---- | 1720 | UNCH | 1885B | 310 |
| 430 | ---- | ---- | ---- | 270N | 275 + | 5 | .099 | ---- | ---- | 2718 | UNCH | 1630B | 250 |
| 440 | ---- | ---- | ---- | 225N | 230 + | 5 | .083 | ---- | 25 | 1257 + | 9 | 1415B | 230A |
| 450 | ---- | ---- | ---- | 190N | 190 | UNCH | .070 | ---- | 2 | 4019 + | 2 | 1225B | 185 |
| 460 | ---- | ---- | ---- | 160N | 160 | UNCH | .059 | ---- | 25 | 533 + | 16 | 1065B | 165 |
| 470 | ---- | ---- | ---- | 135N | 135 | UNCH | .051 | ---- | 25 | 327 | UNCH | 925B | 140 |
| 480 | ---- | ---- | ---- | 115N | 115 | UNCH | .043 | ---- | ---- | 44 | UNCH | 800B | 125A |
| 490 | ---- | ---- | ---- | 100N | 100 | UNCH | .038 | ---- | ---- | 221 | UNCH | 695B | 110A |
| 500 | ---- | ---- | ---- | 85N | 85 | UNCH | .032 | ---- | ---- | 1767 | UNCH | 605B | 95A |
| 510 | ---- | ---- | ---- | 75N | 75 | UNCH | .028 | ---- | ---- | 17 | UNCH | 525B | 85A |
| 520 | ---- | ---- | ---- | 65N | 65 | UNCH | .025 | ---- | ---- | 20 | UNCH | 460B | 75A |
| 530 | ---- | ---- | ---- | 55N | 55 | UNCH | .021 | ---- | ---- | 1 | UNCH | 400B | 130A |
| 540 | ---- | ---- | ---- | 50N | 50 | UNCH | .019 | ---- | ---- | 40 | UNCH | 350B | 70 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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*CME Group, Inc.*
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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 550 | ---- | ---- | ---- | 45N | 45 | UNCH | .017 | ---- | 100 | 1058 | UNCH | 350 | 45 |
| 580 | ---- | ---- | ---- | 35N | 35 | UNCH | .013 | ---- | ---- | 1 | UNCH | 190B | 70A |
| 600 | ---- | ---- | ---- | 25N | 30 + | 5 | .011 | ---- | ---- | 1 | UNCH | 80 | 25 |
| TOTAL | | | | | | | | | 1779 | 33077 + | 969 | | |
| JAN19 | | | | | | | | | | | | | |
| 310 | ---- | ---- | ---- | 2900N | 2835 - | 65 | .696 | ---- | ---- | 10 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | 2350N | 2295 - | 55 | .607 | ---- | ---- | 2 | UNCH | 3350 | 2575A |
| 330 | ---- | ---- | ---- | 1900N | 1855 - | 45 | .521 | ---- | 3 | 13 + | 3 | ---- | 2100A |
| 340 | ---- | ---- | ---- | 1535N | 1500 - | 35 | .443 | ---- | ---- | 111 | UNCH | 1700 | 1620 |
| 350 | ---- | ---- | ---- | 1245N | 1220 - | 25 | .374 | ---- | ---- | 92 | UNCH | 2380B | 1405A |
| 360 | ---- | ---- | ---- | 1020N | 995 - | 25 | .315 | ---- | ---- | 16 | UNCH | 2680B | 1150A |
| 370 | ---- | ---- | ---- | 835N | 815 - | 20 | .265 | ---- | ---- | 23 | UNCH | 2670B | 940A |
| 380 | ---- | ---- | ---- | 690N | 675 - | 15 | .224 | ---- | 3 | 47 + | 2 | 2240B | 775A |
| 390 | ---- | ---- | ---- | 570N | 560 - | 10 | .189 | ---- | ---- | 30 | UNCH | 1870B | 635A |
| 400 | ---- | ---- | ---- | 475N | 465 - | 10 | .160 | ---- | ---- | 107 | UNCH | 1575B | 455 |
| 410 | ---- | ---- | ---- | 390N | 385 - | 5 | .134 | ---- | ---- | 7 | UNCH | 1315B | 435A |
| 420 | ---- | ---- | ---- | 325N | 320 - | 5 | .113 | ---- | ---- | 43 | UNCH | 1105B | 365A |
| 450 | ---- | ---- | ---- | 185N | 180 - | 5 | .067 | ---- | ---- | 4 | UNCH | 310 | 220A |
| 480 | ---- | ---- | ---- | 105N | 105 | UNCH | .040 | ---- | ---- | 4 | UNCH | 315 | 315 |
| TOTAL | | | | | | | | | 6 | 509 + | 5 | | |
| MAR19 | | | | | | | | | | | | | |
| 320 | ---- | ---- | ---- | 2315N | 2235 + | NEW | .565 | ---- | 3 | 3 + | 3 | 2100 | 2100 |
| 330 | ---- | ---- | ---- | 1905N | 1835 - | 70 | .489 | ---- | 81 | 114 + | 81 | 2300 | 1925 |
| 340 | ---- | ---- | ---- | 1575N | 1510 - | 65 | .420 | ---- | ---- | 27 | UNCH | 1800 | 1650 |
| 350 | ---- | ---- | ---- | 1305N | 1245 - | 60 | .359 | ---- | ---- | 214 | UNCH | ---- | 1425A |
| 360 | ---- | ---- | ---- | 1090N | 1035 - | 55 | .307 | ---- | ---- | 188 | UNCH | 2470 | 1190A |
| 370 | ---- | ---- | ---- | 915N | 865 - | 50 | .263 | ---- | ---- | 61 | UNCH | ---- | 990A |
| 380 | ---- | ---- | ---- | 770N | 720 - | 50 | .224 | ---- | ---- | 312 | UNCH | 1640 | 825A |
| 390 | ---- | ---- | ---- | 650N | 605 - | 45 | .192 | ---- | ---- | 477 | UNCH | 1350 | 690A |
| 400 | ---- | ---- | ---- | 550N | 510 - | 40 | .164 | ---- | ---- | 163 | UNCH | 1200 | 580A |
| 410 | ---- | ---- | ---- | 470N | 430 - | 40 | .140 | ---- | ---- | 78 | UNCH | 1500 | 410 |
| 420 | ---- | ---- | ---- | 400N | 365 - | 35 | .121 | ---- | ---- | 28 | UNCH | 600 | 415A |
| 430 | ---- | ---- | ---- | 340N | 305 - | 35 | .103 | ---- | 1 | 9 | UNCH | 250 | 250 |
| 460 | ---- | ---- | ---- | 210N | 190 - | 20 | .066 | ---- | ---- | 6 | UNCH | 505 | 225A |
| TOTAL | | | | | | | | | 85 | 1680 + | 84 | | |
| MAY19 | | | | | | | | | | | | | |
| 320 | ---- | ---- | ---- | 2305N | 2240 + | NEW | .555 | ---- | 8 | 8 + | 8 | 2200 | 2200 |
| 330 | ---- | ---- | ---- | 1920N | 1860 - | 60 | .482 | ---- | 69 | 84 + | 69 | 2350 | 2160A |
| 340 | ---- | ---- | ---- | 1605N | 1550 - | 55 | .417 | ---- | ---- | 1 | UNCH | 1800 | 1800 |
| 350 | ---- | ---- | ---- | 1350N | 1295 - | 55 | .360 | ---- | ---- | 51 | UNCH | 2400 | 1520A |
| 360 | ---- | ---- | ---- | 1135N | 1085 - | 50 | .310 | ---- | ---- | 31 | UNCH | 2000 | 1280A |
| 370 | ---- | ---- | ---- | 960N | 915 - | 45 | .267 | ---- | 5 | 86 + | 5 | 1800 | 1080A |
| 380 | ---- | ---- | ---- | 815N | 770 - | 45 | .230 | ---- | ---- | 31 | UNCH | ---- | 910A |
| 400 | ---- | ---- | ---- | 590N | 550 - | 40 | .170 | ---- | ---- | 50 | UNCH | ---- | 655A |
| 410 | ---- | ---- | ---- | 505N | 470 - | 35 | .147 | ---- | ---- | 36 | UNCH | ---- | 555A |
| TOTAL | | | | | | | | | 82 | 378 + | 82 | | |
| JUL19 | | | | | | | | | | | | | |
| 320 | ---- | ---- | ---- | 2410N | 2345 + | NEW | .566 | ---- | 5 | 5 + | 5 | ---- | ---- |
| 330 | ---- | ---- | ---- | 2010N | 1950 - | 60 | .494 | ---- | 1549 | 1444 + | 1429 | 2350 | 2025 |
| 340 | ---- | ---- | ---- | 1685N | 1625 - | 60 | .428 | ---- | ---- | 3 | UNCH | 1900 | 1900 |
| 350 | ---- | ---- | ---- | 1420N | 1360 - | 60 | .370 | ---- | ---- | 26 | UNCH | 2450 | 2450 |
| 360 | ---- | ---- | ---- | 1200N | 1145 - | 55 | .320 | ---- | ---- | 72 | UNCH | ---- | ---- |
| 370 | ---- | ---- | ---- | 1020N | 965 + | NEW | .276 | ---- | 5 | 5 + | 5 | ---- | ---- |
| 380 | ---- | ---- | ---- | 870N | 815 - | 55 | .238 | ---- | ---- | 2753 | UNCH | ---- | ---- |
| 390 | ---- | ---- | ---- | 740N | 695 - | 45 | .207 | ---- | 3000 | 3961 + | 2130 | 1275B | ---- |
| 400 | ---- | ---- | ---- | 635N | 590 - | 45 | .178 | ---- | ---- | 1164 | UNCH | 1200 | 1200 |
| 410 | ---- | ---- | ---- | 545N | 505 - | 40 | .155 | ---- | ---- | 10 | UNCH | 520 | 520 |
| 420 | ---- | ---- | ---- | 470N | 430 - | 40 | .134 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 430 | ---- | ---- | ---- | 405N | 370 - | 35 | .116 | ---- | ---- | 2 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 4559 | 9451 + | 3569 | | |
| SEP19 | | | | | | | | | | | | | |
| 380 | ---- | ---- | ---- | 900N | 855 - | 45 | .242 | ---- | ---- | 450 | UNCH | ---- | ---- |
| 390 | ---- | ---- | ---- | 775N | 730 - | 45 | .211 | ---- | ---- | 1000 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1450 | | | |

SOYMEAL PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY MEAL PUT | | | | | | | | | | | |
| AUG18 | SOY MEAL PUT | | | | | | | | | | |
| 280 | ---- | ---- | ---- | 5N | 5 | UNCH .005 | ---- | ---- | 20 | UNCH 190 | 5 |
| 285 | ---- | ---- | ---- | 10N | 10 | UNCH .011 | ---- | ---- | 10 | UNCH 20B | 5 |
| 290 | ---- | ---- | ---- | 15N | 25 + | 10 .024 | ---- | ---- | 242 | UNCH 300 | 25A |
| 295 | ---- | ---- | ---- | 30N | 45 + | 15 .042 | ---- | ---- | 56 | UNCH 65B | 15 |
| 300 | ---- | ---- | ---- | 60N | 75 + | 15 .066 | ---- | ---- | 245 | UNCH 340B | 10 |
| 305 | ---- | ---- | ---- | 105N | 125 + | 20 .103 | ---- | 200 | 919 + | 112 210 | 15A |
| 310 | ---- | ---- | ---- | 175N | 200 + | 25 .152 | ---- | 215 | 796 + | 150 1000 | 10A |
| 315 | ---- | ---- | ---- | 275N | 305 + | 30 .213 | ---- | ---- | 257 | UNCH 405B | 15A |
| 320 | ---- | ---- | ---- | 420N | 455 + | 35 .286 | ---- | 177 | 1003 - | 3 1100 | 20A |
| 325 | ---- | ---- | ---- | 615N | 650 + | 35 .366 | ---- | 598 | 1110 + | 328 1000 | 25 |
| 330 | ---- | ---- | ---- | 860N | 895 + | 35 .448 | ---- | 4 | 1836 + | 4 1810B | 35 |
| 335 | ---- | ---- | ---- | 1145N | 1190 + | 45 .526 | ---- | 20 | 583 + | 20 1390B | 55A |
| 340 | ---- | ---- | ---- | 1465N | 1520 + | 55 .597 | ---- | ---- | 775 | UNCH 2465B | 80 |
| 345 | ---- | ---- | ---- | 1820N | 1885 + | 65 .659 | ---- | ---- | 1093 | UNCH 2190 | 120A |
| 350 | ---- | ---- | ---- | 2215N | 2270 + | 55 .713 | ---- | 2 | 2384 - | 2 3195B | 175A |
| 355 | ---- | ---- | ---- | 2625N | 2680 + | 55 .759 | ---- | ---- | 1468 | UNCH 2855B | 250A |
| 360 | ---- | ---- | ---- | 3055N | 3110 + | 55 .797 | ---- | ---- | 1122 | UNCH 3985B | 355A |
| 365 | ---- | ---- | ---- | 3495N | 3550 + | 55 .829 | ---- | ---- | 1643 | UNCH 3720B | 485A |
| 370 | ---- | ---- | ---- | 3945N | 4000 + | 55 .857 | ---- | ---- | 992 | UNCH 4820B | 660A |
| 375 | ---- | ---- | ---- | 4405N | 4460 + | 55 .880 | ---- | ---- | 427 | UNCH 4635B | 855A |
| 380 | ---- | ---- | ---- | 4870N | 4930 + | 60 .898 | ---- | ---- | 485 | UNCH 5690B | 1095 |
| 385 | ---- | ---- | ---- | 5345N | 5400 + | 55 .916 | ---- | ---- | 470 | UNCH 5575B | 1315A |
| 390 | ---- | ---- | ---- | 5820N | 5875 + | 55 .928 | ---- | ---- | 61 | UNCH 6590B | 1545A |
| 395 | ---- | ---- | ---- | 6305N | 6355 + | 50 .940 | ---- | ---- | 40 | UNCH 6535B | 1800A |
| 400 | ---- | ---- | ---- | 6790N | 6840 + | 50 .949 | ---- | ---- | 70 | UNCH 7510B | 2085A |
| 410 | ---- | ---- | ---- | 7770N | 7820 + | 50 .964 | ---- | ---- | 8 | UNCH 8450B | 2735A |
| 425 | ---- | ---- | ---- | 9250N | 9295 + | 45 .977 | ---- | ---- | 2 | UNCH 9465B | 3790A |
| TOTAL | | | | | | | | 1216 | 18117 + | 609 | |
| SEP18 | SOY MEAL PUT | | | | | | | | | | |
| 270 | ---- | ---- | ---- | 15N | 15 | UNCH .012 | ---- | ---- | 10 | UNCH 145 | 125 |
| 280 | ---- | ---- | ---- | 35N | 35 | UNCH .027 | ---- | ---- | 10 | UNCH 170 | 150 |
| 290 | ---- | ---- | ---- | 75N | 85 + | 10 .061 | ---- | ---- | 194 | UNCH 600 | 90 |
| 295 | ---- | ---- | ---- | 115N | 125 + | 10 .085 | ---- | ---- | 1 | UNCH 125B | 60A |
| 300 | ---- | ---- | ---- | 170N | 190 + | 20 .120 | ---- | ---- | 532 | UNCH 425 | 35 |
| 305 | ---- | ---- | ---- | 250N | 280 + | 30 .164 | ---- | ---- | 48 | UNCH 290 | 125A |
| 310 | ---- | ---- | ---- | 365N | 400 + | 35 .214 | ---- | 4 | 1553 | UNCH 1100 | 50A |
| 315 | ---- | ---- | ---- | 510N | 555 + | 45 .272 | ---- | ---- | 50 | UNCH 570B | 90 |
| 320 | ---- | ---- | ---- | 695N | 745 + | 50 .332 | ---- | ---- | 948 | UNCH 1175 | 70A |
| 325 | ---- | ---- | ---- | 915N | 970 + | 55 .394 | ---- | 13 | 815 - | 4 1100 | 170A |
| 330 | ---- | ---- | ---- | 1175N | 1235 + | 60 .456 | ---- | ---- | 399 | UNCH 2200 | 120 |
| 335 | ---- | ---- | ---- | 1465N | 1530 + | 65 .514 | ---- | 1 | 171 - | 1 1550B | 210A |
| 340 | ---- | ---- | ---- | 1785N | 1855 + | 70 .569 | ---- | ---- | 1065 | UNCH 2140B | 220A |
| 345 | ---- | ---- | ---- | 2130N | 2205 + | 75 .618 | ---- | ---- | 32 | UNCH 2240B | 330A |
| 350 | ---- | ---- | ---- | 2500N | 2580 + | 80 .663 | ---- | ---- | 1092 | UNCH 2595B | 390A |
| 355 | ---- | ---- | ---- | 2890N | 2975 + | 85 .702 | ---- | ---- | 199 | UNCH 2985B | 570A |
| 360 | ---- | ---- | ---- | 3295N | 3385 + | 90 .737 | ---- | ---- | 1130 | UNCH 3450 | 660A |
| 365 | ---- | ---- | ---- | 3710N | 3805 + | 95 .769 | ---- | ---- | 11 | UNCH 3785B | 930A |
| 370 | ---- | ---- | ---- | 4145N | 4235 + | 90 .796 | ---- | 3 | 1506 | UNCH 4260 | 1035A |
| 375 | ---- | ---- | ---- | 4585N | 4675 + | 90 .821 | ---- | ---- | 415 | UNCH 4660B | 1410A |
| 380 | ---- | ---- | ---- | 5035N | 5125 + | 90 .842 | ---- | ---- | 486 | UNCH 5110B | 1465A |
| 390 | ---- | ---- | ---- | 5955N | 6045 + | 90 .878 | ---- | ---- | 176 | UNCH 6060B | 1955A |
| 400 | ---- | ---- | ---- | 6895N | 6985 + | 90 .903 | ---- | ---- | 26 | UNCH 7005B | 2540A |
| 430 | ---- | ---- | ---- | 9790N | 9880 + | 90 .951 | ---- | 1 | 1 | UNCH 9910B | 4625A |
| TOTAL | | | | | | | | 22 | 10870 - | 5 | |
| OCT18 | SOY MEAL PUT | | | | | | | | | | |
| 250 | ---- | ---- | ---- | 5N | 5 | UNCH .002 | ---- | ---- | 4 | UNCH 120 | 120 |
| 270 | ---- | ---- | ---- | 25N | 25 | UNCH .018 | ---- | ---- | 2 | UNCH 240 | 240 |
| 280 | ---- | ---- | ---- | 60N | 60 | UNCH .041 | ---- | ---- | 10 | UNCH 135 | 45 |
| 290 | ---- | ---- | ---- | 125N | 135 + | 10 .083 | ---- | ---- | 466 | UNCH 125B | 40 |
| 300 | ---- | ---- | ---- | 260N | 280 + | 20 .150 | ---- | ---- | 227 | UNCH 280B | 60A |
| 310 | ---- | ---- | ---- | 500N | 530 + | 30 .242 | ---- | ---- | 156 | UNCH 550B | 70A |
| 320 | ---- | ---- | ---- | 865N | 915 + | 50 .351 | ---- | ---- | 2530 | UNCH 960 | 115A |
| 330 | ---- | ---- | ---- | 1370N | 1430 + | 60 .460 | ---- | ---- | 170 | UNCH 1480 | 195A |
| 340 | ---- | ---- | ---- | 1990N | 2055 + | 65 .559 | ---- | ---- | 648 | UNCH 2200 | 335A |
| 350 | ---- | ---- | ---- | 2705N | 2775 + | 70 .644 | ---- | ---- | 751 | UNCH 2790B | 550A |
| 360 | ---- | ---- | ---- | 3485N | 3560 + | 75 .714 | ---- | ---- | 507 | UNCH 3570B | 860A |

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 370 | ---- | ---- | ---- | 4320N | 4395 + | 75 | .770 | ---- | ---- | 195 | UNCH | 4375B | 1270A |
| 380 | ---- | ---- | ---- | 5195N | 5270 + | 75 | .816 | ---- | ---- | 151 | UNCH | 5250B | 1765A |
| 390 | ---- | ---- | ---- | 6095N | 6170 + | 75 | .852 | ---- | ---- | 35 | UNCH | 6185B | 2295A |
| 420 | ---- | ---- | ---- | 8910N | 8990 + | 80 | .922 | ---- | ---- | 2 | UNCH | 9020B | 4265A |
| TOTAL | | | | | | | | | 0 | 5854 | | | |
| DEC18 | | | | | | | | | | | | | |
| 250 | ---- | ---- | ---- | 10N | 10 | UNCH | .007 | ---- | 3 | 3 + | 3 | 35 | 30A |
| 270 | ---- | ---- | ---- | 65N | 70 + | 5 | .040 | ---- | ---- | 10 | UNCH | 210 | 210 |
| 280 | ---- | ---- | ---- | 140N | 155 + | 15 | .078 | ---- | ---- | 1047 | UNCH | 350 | 105 |
| 290 | ---- | ---- | ---- | 275N | 300 + | 25 | .132 | ---- | ---- | 1319 | UNCH | 625 | 90 |
| 300 | ---- | ---- | ---- | 485N | 525 + | 40 | .202 | ---- | 5 | 4267 + | 5 | 1585B | 85 |
| 310 | ---- | ---- | ---- | 785N | 840 + | 55 | .283 | ---- | 14 | 565 + | 14 | 1545B | 145A |
| 320 | ---- | ---- | ---- | 1195N | 1265 + | 70 | .371 | ---- | ---- | 1316 | UNCH | 2095B | 235A |
| 330 | ---- | ---- | ---- | 1710N | 1795 + | 85 | .459 | ---- | ---- | 1737 | UNCH | 2725B | 370A |
| 340 | ---- | ---- | ---- | 2320N | 2415 + | 95 | .539 | ---- | ---- | 6533 | UNCH | 3400B | 575A |
| 350 | ---- | ---- | ---- | 3015N | 3115 + | 100 | .610 | ---- | ---- | 3872 | UNCH | 3130B | 850A |
| 360 | ---- | ---- | ---- | 3770N | 3870 + | 100 | .672 | ---- | ---- | 1054 | UNCH | 3880B | 1215A |
| 370 | ---- | ---- | ---- | 4570N | 4675 + | 105 | .724 | ---- | ---- | 1986 | UNCH | 4680B | 1670A |
| 380 | ---- | ---- | ---- | 5410N | 5520 + | 110 | .767 | ---- | ---- | 951 | UNCH | 5475B | 2155 |
| 390 | ---- | ---- | ---- | 6280N | 6395 + | 115 | .804 | ---- | ---- | 51 | UNCH | 6335B | 2735A |
| 400 | ---- | ---- | ---- | 7175N | 7290 + | 115 | .834 | ---- | ---- | 5 | UNCH | 7235B | 3355A |
| TOTAL | | | | | | | | | 22 | 24716 + | 22 | | |
| JAN19 | | | | | | | | | | | | | |
| 280 | ---- | ---- | ---- | 150N | 155 + | 5 | .080 | ---- | 10 | 20 + | 10 | 180 | 180 |
| 290 | ---- | ---- | ---- | 305N | 320 + | 15 | .141 | ---- | ---- | 5 | UNCH | 260B | ---- |
| 300 | ---- | ---- | ---- | 550N | 575 + | 25 | .218 | ---- | ---- | 22 | UNCH | 460B | 140A |
| 310 | ---- | ---- | ---- | 895N | 930 + | 35 | .303 | ---- | ---- | 9 | UNCH | 850 | 850 |
| 320 | ---- | ---- | ---- | 1340N | 1385 + | 45 | .392 | ---- | ---- | 116 | UNCH | 1320 | 820 |
| 330 | ---- | ---- | ---- | 1880N | 1935 + | 55 | .478 | ---- | ---- | 149 | UNCH | 1690B | 665A |
| 340 | ---- | ---- | ---- | 2505N | 2570 + | 65 | .556 | ---- | ---- | 34 | UNCH | 2295B | 725A |
| 350 | ---- | ---- | ---- | 3210N | 3280 + | 70 | .625 | ---- | ---- | 35 | UNCH | 2970B | 1040A |
| 360 | ---- | ---- | ---- | 3975N | 4050 + | 75 | .684 | ---- | ---- | 108 | UNCH | 3705B | 1440A |
| 370 | ---- | ---- | ---- | 4785N | 4865 + | 80 | .734 | ---- | ---- | 485 | UNCH | 3140B | 1920A |
| TOTAL | | | | | | | | | 10 | 983 + | 10 | | |
| MAR19 | | | | | | | | | | | | | |
| 290 | ---- | ---- | ---- | 530N | 565 + | 35 | .199 | ---- | ---- | 46 | UNCH | 450 | 180 |
| 300 | ---- | ---- | ---- | 840N | 885 + | 45 | .274 | ---- | 80 | 120 + | 80 | 750 | 400 |
| 310 | ---- | ---- | ---- | 1235N | 1295 + | 60 | .354 | ---- | ---- | 43 | UNCH | 1030B | 655 |
| 320 | ---- | ---- | ---- | 1730N | 1800 + | 70 | .434 | ---- | ---- | 226 | UNCH | 1550 | 800 |
| 330 | ---- | ---- | ---- | 2310N | 2390 + | 80 | .510 | ---- | ---- | 208 | UNCH | 2045B | 925A |
| 340 | ---- | ---- | ---- | 2970N | 3055 + | 85 | .579 | ---- | ---- | 2 | UNCH | 2680B | 1200 |
| 350 | ---- | ---- | ---- | 3690N | 3780 + | 90 | .640 | ---- | ---- | 625 | UNCH | 3375B | 2100 |
| 360 | ---- | ---- | ---- | 4465N | 4560 + | 95 | .692 | ---- | ---- | 231 | UNCH | 4125B | 2320 |
| TOTAL | | | | | | | | | 80 | 1501 + | 80 | | |
| MAY19 | | | | | | | | | | | | | |
| 290 | ---- | ---- | ---- | 625N | 660 + | 35 | .216 | ---- | ---- | 5 | UNCH | 550 | 550 |
| 300 | ---- | ---- | ---- | 945N | 990 + | 45 | .289 | ---- | 69 | 73 + | 66 | 840 | 840 |
| 320 | ---- | ---- | ---- | 1880N | 1940 + | 60 | .444 | ---- | ---- | 60 | UNCH | 1670B | ---- |
| 330 | ---- | ---- | ---- | 2480N | 2550 + | 70 | .517 | ---- | ---- | 42 | UNCH | 2235B | ---- |
| 340 | ---- | ---- | ---- | 3155N | 3230 + | 75 | .582 | ---- | ---- | 25 | UNCH | 2870B | ---- |
| 360 | ---- | ---- | ---- | 4660N | 4740 + | 80 | .689 | ---- | ---- | 100 | UNCH | 4235B | ---- |
| TOTAL | | | | | | | | | 69 | 305 + | 66 | | |
| JUL19 | | | | | | | | | | | | | |
| 260 | ---- | ---- | ---- | 125N | 135 + | 10 | .060 | ---- | ---- | 7 | UNCH | 100 | 100 |
| 300 | ---- | ---- | ---- | 935N | 985 + | 50 | .282 | ---- | 48 | 50 + | 41 | 815 | 815 |
| 310 | ---- | ---- | ---- | 1340N | 1400 + | 60 | .357 | ---- | ---- | 62 | UNCH | ---- | ---- |
| 320 | ---- | ---- | ---- | 1840N | 1905 + | 65 | .433 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 330 | ---- | ---- | ---- | 2420N | 2490 + | 70 | .505 | ---- | ---- | 150 | UNCH | ---- | ---- |
| 340 | ---- | ---- | ---- | 3080N | 3155 + | 75 | .571 | ---- | ---- | 100 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 48 | 378 + | 41 | | |

### SOYMEAL WEEKLY CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.180.700.00 | | | | | | | | | | | | | |
| JUL18 | 20.180.700.00 | | | | | | | | | | | | |
| 380 | ---- | ---- | ---- | 5N | 5 | UNCH | .002 | ---- | ---- | 55 | UNCH | 100 | 100 |
| TOTAL | | | | | | | | | 0 | 55 | | | |
| 20.180.600.00 | | | | | | | | | | | | | |
| JUN18 | 20.180.600.00 | | | | | | | | | | | | |
| 370 | ---- | ---- | ---- | 5N | 5 | UNCH | ---- | ---- | ---- | 55 | UNCH | 330B | 100 |
| TOTAL | | | | | | | | | 0 | 55 | | | |

### SOYBEAN OIL CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY BEAN OIL C | | | | | | | | | | | | | |
| AUG18 | SOY BEAN OIL C | | | | | | | | | | | | |
| 270 | ---- | ---- | ---- | 2080N | 2175 + | NEW | .936 | ---- | 17 | 17 + | 17 | 7045B | 2070A |
| 275 | ---- | ---- | ---- | 1630N | 1720 + | 90 | .878 | ---- | 45 | 46 + | 45 | 6555B | 1610A |
| 280 | ---- | ---- | ---- | 1230N | 1305 + | 75 | .793 | ---- | 5 | 48 + | 5 | 6075B | 1210A |
| 285 | ---- | ---- | ---- | 890N | 945 + | 55 | .680 | ---- | 6 | 119 + | 6 | 5600B | 735 |
| 290 | ---- | ---- | ---- | 620N | 650 + | 30 | .545 | ---- | 40 | 186 + | 4 | 5140B | 615A |
| 295 | ---- | ---- | ---- | 420N | 440 + | 20 | .412 | ---- | 40 | 1456 | UNCH | 4685B | 410 |
| 300 | ---- | ---- | ---- | 280N | 300 + | 20 | .301 | ---- | 35 | 1155 + | 13 | 4250B | 285 |
| 305 | ---- | ---- | ---- | 185N | 200 + | 15 | .213 | ---- | 31 | 492 + | 31 | 3820B | 140 |
| 310 | ---- | ---- | ---- | 120N | 130 + | 10 | .146 | ---- | ---- | 1648 | UNCH | 3425B | 130A |
| 315 | ---- | ---- | ---- | 80N | 85 + | 5 | .099 | ---- | ---- | 1220 | UNCH | 3055B | 90 |
| 320 | ---- | ---- | ---- | 55N | 55 | UNCH | .066 | ---- | 2 | 1412 - | 2 | 2715B | 60 |
| 325 | ---- | ---- | ---- | 40N | 35 - | 5 | .043 | ---- | ---- | 272 | UNCH | 2415B | 40A |
| 330 | ---- | ---- | ---- | 25N | 25 | UNCH | .031 | ---- | ---- | 1450 | UNCH | 2130B | 35 |
| 335 | ---- | ---- | ---- | 20N | 15 - | 5 | .019 | ---- | ---- | 1319 | UNCH | 1875B | 15 |
| 340 | ---- | ---- | ---- | 15N | 10 - | 5 | .013 | ---- | ---- | 1067 | UNCH | 2000 | 15 |
| 345 | ---- | ---- | ---- | 10N | 5 - | 5 | .006 | ---- | ---- | 185 | UNCH | 1435B | 15A |
| 350 | ---- | ---- | ---- | 10N | 5 - | 5 | .003 | ---- | ---- | 170 | UNCH | 1250B | 15 |
| 355 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 88 | UNCH | 1080B | 15 |
| 360 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 578 | UNCH | 935B | 10 |
| 365 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 29 | UNCH | 780B | 10 |
| 370 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 40 | UNCH | 680B | 5A |
| 375 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 79 | UNCH | 570B | 5A |
| 380 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 84 | UNCH | 495B | 10A |
| 385 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 71 | UNCH | 425B | 20A |
| 390 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 121 | UNCH | 370B | 10 |
| 395 | ---- | ---- | ---- | 5N | 5 | UNCH | ---- | ---- | ---- | 11 | UNCH | 170B | 10 |
| 400 | ---- | ---- | ---- | 5N | 5 | UNCH | ---- | ---- | ---- | 30 | UNCH | 120B | 55A |
| 405 | ---- | ---- | ---- | 5N | 5 | UNCH | ---- | ---- | ---- | 82 | UNCH | 65B | 10A |
| TOTAL | | | | | | | | | 221 | 13475 + | 119 | | |
| SEP18 | SOY BEAN OIL C | | | | | | | | | | | | |
| 290 | ---- | ---- | ---- | 885N | 900 + | 15 | .565 | ---- | ---- | 2 | UNCH | 5260B | 845A |
| 295 | ---- | ---- | ---- | 665N | 670 + | 5 | .462 | ---- | ---- | 353 | UNCH | 4810B | 640A |
| 300 | ---- | ---- | ---- | 485N | 500 + | 15 | .369 | ---- | 150 | 172 + | 95 | 4375B | 485A |
| 305 | ---- | ---- | ---- | 350N | 370 + | 20 | .289 | ---- | ---- | 126 | UNCH | 3825B | 370A |
| 310 | ---- | ---- | ---- | 255N | 275 + | 20 | .225 | ---- | ---- | 964 | UNCH | 3435B | 185 |
| 315 | ---- | ---- | ---- | 190N | 205 + | 15 | .173 | ---- | ---- | 306 | UNCH | 3080B | 225A |
| 320 | ---- | ---- | ---- | 145N | 155 + | 10 | .134 | ---- | ---- | 591 | UNCH | 2745B | 160 |
| 325 | ---- | ---- | ---- | 110N | 120 + | 10 | .105 | ---- | ---- | 509 | UNCH | 2455B | 85 |
| 330 | ---- | ---- | ---- | 85N | 95 + | 10 | .083 | ---- | ---- | 316 | UNCH | 2260 | 115A |
| 335 | ---- | ---- | ---- | 65N | 75 + | 10 | .066 | ---- | ---- | 854 | UNCH | 1930B | 60 |
| 340 | ---- | ---- | ---- | 50N | 55 + | 5 | .049 | ---- | 15 | 1102 - | 15 | 1705B | 30 |
| 345 | ---- | ---- | ---- | 40N | 35 - | 5 | .033 | ---- | ---- | 88 | UNCH | 1495B | 40 |
| 350 | ---- | ---- | ---- | 30N | 25 - | 5 | .024 | ---- | ---- | 559 | UNCH | 1750 | 30 |
| 355 | ---- | ---- | ---- | 25N | 15 - | 10 | .015 | ---- | ---- | 69 | UNCH | 1145B | 30 |
| 360 | ---- | ---- | ---- | 20N | 10 - | 10 | .010 | ---- | ---- | 856 | UNCH | 980 | 35A |
| 365 | ---- | ---- | ---- | 15N | 10 - | 5 | .010 | ---- | ---- | 11 | UNCH | 850B | 70A |
| 370 | ---- | ---- | ---- | 10N | 5 - | 5 | .005 | ---- | ---- | 48 | UNCH | 745B | 50 |
| 375 | ---- | ---- | ---- | 10N | 5 - | 5 | .003 | ---- | ---- | 23 | UNCH | 650B | 60A |
| 380 | ---- | ---- | ---- | 10N | 5 - | 5 | .002 | ---- | ---- | 76 | UNCH | 570B | 60 |
| 385 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 90 | UNCH | 700 | 55 |
| 390 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 104 | UNCH | 260B | 65 |
| 395 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 58 | UNCH | 215B | 115A |
| 400 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 132 | UNCH | 180B | 25 |
| 405 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 14 | UNCH | 205 | 90A |
| 415 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 25 | UNCH | 105B | 20 |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 430 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 2 | UNCH | 155 | 75A |
| TOTAL | | | | | | | | | 165 | 7450 + | 80 | | |
| OCT18 | | | | | | | | | | | | | |
| 295 | ---- | ---- | ---- | 835N | 860 + | 25 | .496 | ---- | ---- | 23 | UNCH | 3765B | 780A |
| 300 | ---- | ---- | ---- | 650N | 670 + | 20 | .413 | ---- | ---- | 63 | UNCH | 3345B | 440 |
| 305 | ---- | ---- | ---- | 500N | 515 + | 15 | .337 | ---- | ---- | 298 | UNCH | 2950B | 450 |
| 310 | ---- | ---- | ---- | 385N | 400 + | 15 | .274 | ---- | ---- | 17 | UNCH | 2590B | 360A |
| 315 | ---- | ---- | ---- | 295N | 305 + | 10 | .219 | ---- | ---- | 49 | UNCH | 2255B | 280A |
| 320 | ---- | ---- | ---- | 230N | 240 + | 10 | .176 | ---- | 70 | 233 - | 30 | 1970B | 175 |
| 325 | ---- | ---- | ---- | 180N | 190 + | 10 | .142 | ---- | ---- | 109 | UNCH | 1705B | 185A |
| 330 | ---- | ---- | ---- | 145N | 155 + | 10 | .117 | ---- | ---- | 509 | UNCH | 1470B | 155A |
| 335 | ---- | ---- | ---- | 115N | 125 + | 10 | .095 | ---- | ---- | 402 | UNCH | 1395B | 135A |
| 340 | ---- | ---- | ---- | 90N | 100 + | 10 | .077 | ---- | ---- | 377 | UNCH | 1080B | 115A |
| 345 | ---- | ---- | ---- | 70N | 80 + | 10 | .062 | ---- | ---- | 36 | UNCH | 920B | 95A |
| 350 | ---- | ---- | ---- | 55N | 60 + | 5 | .048 | ---- | ---- | 61 | UNCH | 780B | 80A |
| 355 | ---- | ---- | ---- | 40N | 45 + | 5 | .037 | ---- | ---- | 296 | UNCH | 755 | 60 |
| 360 | ---- | ---- | ---- | 30N | 35 + | 5 | .029 | ---- | ---- | 435 | UNCH | 555B | 60A |
| 370 | ---- | ---- | ---- | 15N | 20 + | 5 | .017 | ---- | ---- | 155 | UNCH | 390B | 45A |
| 375 | ---- | ---- | ---- | 10N | 15 + | 5 | .013 | ---- | ---- | 10 | UNCH | 330B | 115A |
| 380 | ---- | ---- | ---- | 10N | 10 | UNCH | .009 | ---- | ---- | 50 | UNCH | 275B | 95A |
| 385 | ---- | ---- | ---- | 5N | 10 + | 5 | .008 | ---- | ---- | 10 | UNCH | 225B | 10 |
| 390 | ---- | ---- | ---- | 5N | 5 | UNCH | .004 | ---- | ---- | 98 | UNCH | 190B | 10 |
| 395 | ---- | ---- | ---- | 5N | 5 | UNCH | .003 | ---- | ---- | 106 | UNCH | 155B | 5 |
| 400 | ---- | ---- | ---- | 5N | 5 | UNCH | .002 | ---- | ---- | 45 | UNCH | 1000 | 5 |
| TOTAL | | | | | | | | | 70 | 3382 - | 30 | | |
| DEC18 | | | | | | | | | | | | | |
| 285 | ---- | ---- | ---- | 1745N | 1795 + | 50 | .681 | ---- | ---- | 5 | UNCH | 5065B | 1325 |
| 295 | ---- | ---- | ---- | 1220N | 1250 + | 30 | .544 | ---- | ---- | 1 | UNCH | 4185B | 1210A |
| 300 | ---- | #1040 | *1040 | 1010N | 1035P+ | 25 | .476 | ---- | 26 | 321 + | 26 | 3775B | 735 |
| 305 | ---- | ---- | ---- | 830N | 850 + | 20 | .413 | ---- | 35 | 99 + | 35 | 3385B | 600 |
| 310 | ---- | ---- | ---- | 680N | 700 + | 20 | .355 | ---- | 3 | 1277 | UNCH | 3025B | 495 |
| 315 | ---- | ---- | ---- | 555N | 575 + | 20 | .303 | ---- | 100 | 246 + | 100 | 2690B | 565A |
| 320 | ---- | ---- | ---- | 455N | 475 + | 20 | .258 | ---- | 25 | 3453 | UNCH | 2400B | 310 |
| 325 | ---- | ---- | ---- | 375N | 390 + | 15 | .219 | ---- | ---- | 745 | UNCH | 2120B | 275 |
| 330 | ---- | ---- | ---- | 310N | 320 + | 10 | .184 | ---- | ---- | 1444 | UNCH | 1875B | 320A |
| 335 | ---- | ---- | ---- | 260N | 265 + | 5 | .156 | ---- | ---- | 538 | UNCH | 1650B | 265A |
| 340 | ---- | ---- | ---- | 215N | 220 + | 5 | .132 | ---- | ---- | 930 | UNCH | 1450B | 140 |
| 345 | ---- | ---- | ---- | 180N | 180 | UNCH | .110 | ---- | ---- | 227 | UNCH | 1270B | 175A |
| 350 | ---- | ---- | ---- | 150N | 150 | UNCH | .093 | ---- | 21 | 492 | UNCH | 2500 | 150 |
| 355 | ---- | ---- | ---- | 125N | 120 - | 5 | .077 | ---- | ---- | 11 | UNCH | 965B | 125A |
| 360 | ---- | ---- | ---- | 100N | 100 | UNCH | .064 | ---- | ---- | 1268 | UNCH | 980 | 120A |
| 365 | ---- | ---- | ---- | 80N | 80 | UNCH | .053 | ---- | ---- | 18 | UNCH | 940B | 105A |
| 370 | ---- | ---- | ---- | 65N | 60 - | 5 | .041 | ---- | ---- | 341 | UNCH | 695B | 90 |
| 375 | ---- | ---- | ---- | 50N | 45 - | 5 | .032 | ---- | ---- | 45 | UNCH | 560B | 80A |
| 380 | ---- | ---- | ---- | 40N | 35 - | 5 | .025 | ---- | ---- | 213 | UNCH | 490B | 55 |
| 385 | ---- | ---- | ---- | 30N | 25 - | 5 | .019 | ---- | ---- | 1 | UNCH | 430B | 135A |
| 390 | ---- | ---- | ---- | 25N | 20 - | 5 | .015 | ---- | ---- | 30 | UNCH | 375B | 30 |
| 395 | ---- | ---- | ---- | 20N | 15 - | 5 | .012 | ---- | ---- | 1 | UNCH | 330B | 35 |
| 400 | ---- | ---- | ---- | 15N | 10 - | 5 | .008 | ---- | ---- | 5 | UNCH | 1000 | 125A |
| 405 | ---- | ---- | ---- | 10N | 10 | UNCH | .008 | ---- | ---- | 1 | UNCH | 250B | 155A |
| 410 | ---- | ---- | ---- | 10N | 5 - | 5 | .004 | ---- | ---- | 3 | UNCH | 220B | 55 |
| 430 | ---- | ---- | ---- | 5N | 5 | UNCH | .001 | ---- | ---- | 2 | UNCH | 85 | 85 |
| 440 | ---- | ---- | ---- | 5N | 5 | UNCH | .000 | ---- | ---- | 38 | UNCH | ---- | 140A |
| TOTAL | | | | | | | | | 210 | 11755 + | 161 | | |
| JAN19 | | | | | | | | | | | | | |
| 320 | ---- | ---- | ---- | 560N | 600 + | 40 | .296 | ---- | ---- | 40 | UNCH | 1875B | 670 |
| 325 | ---- | ---- | ---- | 465N | 485 + | 20 | .251 | ---- | ---- | 35 | UNCH | 1725B | 770A |
| 330 | ---- | ---- | ---- | 390N | 390 | UNCH | .211 | ---- | ---- | 66 | UNCH | 1500B | 480 |
| 340 | ---- | ---- | ---- | 275N | 265 - | 10 | .151 | ---- | ---- | 17 | UNCH | 1115B | 525A |
| 345 | ---- | ---- | ---- | 235N | 225 - | 10 | .130 | ---- | ---- | 1 | UNCH | 955B | 445A |
| 350 | ---- | ---- | ---- | 200N | 195 - | 5 | .113 | ---- | ---- | 106 | UNCH | 1500 | 565A |
| 360 | ---- | ---- | ---- | 140N | 140 | UNCH | .083 | ---- | ---- | 116 | UNCH | 590B | 465A |
| 365 | ---- | ---- | ---- | 115N | 120 + | 5 | .072 | ---- | ---- | 35 | UNCH | 495B | ---- |
| 370 | ---- | ---- | ---- | 95N | 100 + | 5 | .060 | ---- | ---- | 15 | UNCH | ---- | 450A |
| 380 | ---- | ---- | ---- | 65N | 65 | UNCH | .041 | ---- | ---- | 69 | UNCH | 1250 | 75 |
| 385 | ---- | ---- | ---- | 50N | 50 | UNCH | .033 | ---- | ---- | 30 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 530 | | | |
| MAR19 | | | | | | | | | | | | | |
| 310 | ---- | ---- | ---- | 1020N | 1070 + | 50 | .438 | ---- | ---- | 1080 | UNCH | ---- | ---- |
| 350 | ---- | ---- | ---- | 290N | 305 + | 15 | .152 | ---- | ---- | 1 | UNCH | 1000 | 1000 |
| 360 | ---- | ---- | ---- | 210N | 220 + | 10 | .114 | ---- | ---- | 18 | UNCH | ---- | ---- |
| 370 | ---- | ---- | ---- | 150N | 155 + | 5 | .084 | ---- | ---- | 34 | UNCH | 180B | ---- |
| 380 | ---- | ---- | ---- | 105N | 110 + | 5 | .061 | ---- | ---- | 9 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | 50N | 55 + | 5 | .032 | ---- | ---- | 2 | UNCH | 140 | 140 |
| TOTAL | | | | | | | | | 0 | 1144 | | | |
| MAY19 | | | | | | | | | | | | | |
| 340 | ---- | ---- | ---- | 555N | 580 + | 25 | .244 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 350 | ---- | ---- | ---- | 410N | 430 + | 20 | .190 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | 310N | 330 + | 20 | .150 | ---- | ---- | 20 | UNCH | ---- | ---- |
| 400 | ---- | ---- | ---- | 110N | 115 + | 5 | .057 | ---- | ---- | 1 | UNCH | 100 | 100 |
| TOTAL | | | | | | | | | 0 | 33 | | | |
| JUL19 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | 2150N | 2225 + | 75 | .610 | ---- | ---- | 1 | UNCH | 2000 | 2000 |
| 350 | ---- | ---- | ---- | 530N | 555 + | 25 | .223 | ---- | ---- | 3 | UNCH | 1500 | 600 |
| TOTAL | | | | | | | | | 0 | 4 | | | |

## SOYBEAN OIL PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY BEAN OIL P | | | | | | | | | | | | | |
| AUG18 | SOY BEAN OIL P | | | | | | | | | | | | |
| 250 | ---- | ---- | ---- | 5N | 5 | UNCH | .002 | ---- | ---- | 11 | UNCH | ---- | ---- |
| 265 | ---- | ---- | ---- | 25N | 20 - | 5 | .030 | ---- | ---- | 28 | UNCH | 60B | 10A |
| 270 | ---- | ---- | ---- | 50N | 45 - | 5 | .063 | ---- | ---- | 755 | UNCH | 170 | 15A |
| 275 | ---- | ---- | ---- | 105N | 95 - | 10 | .121 | ---- | ---- | 83 | UNCH | 320 | 10 |
| 280 | ---- | ---- | ---- | 200N | 180 - | 20 | .206 | ---- | ---- | 880 | UNCH | 550 | 20A |
| 285 | ---- | ---- | ---- | 360N | 315 - | 45 | .319 | ---- | ---- | 201 | UNCH | 725 | 25 |
| 290 | ---- | ---- | ---- | 590N | 520 - | 70 | .454 | ---- | 7 | 2375 + | 1 | 780B | 45A |
| 295 | ---- | ---- | ---- | 890N | 810 - | 80 | .587 | ---- | ---- | 2186 | UNCH | 1095B | 80 |
| 300 | ---- | ---- | ---- | 1250N | 1165 - | 85 | .698 | ---- | ---- | 1546 | UNCH | 2145 | 140A |
| 305 | ---- | ---- | ---- | 1655N | 1570 - | 85 | .786 | ---- | ---- | 1848 | UNCH | 2580 | 230A |
| 310 | ---- | ---- | ---- | 2090N | 2000 - | 90 | .853 | ---- | ---- | 594 | UNCH | 2975 | 360A |
| 315 | ---- | ---- | ---- | 2550N | 2455 - | 95 | .900 | ---- | ---- | 270 | UNCH | 3515 | 490A |
| 320 | ---- | ---- | ---- | 3020N | 2920 - | 100 | .933 | ---- | ---- | 286 | UNCH | 3165B | 660A |
| 325 | ---- | ---- | ---- | 3505N | 3400 - | 105 | .956 | ---- | ---- | 43 | UNCH | 3630B | 845A |
| 330 | ---- | ---- | ---- | 3995N | 3890 - | 105 | .968 | ---- | ---- | 178 | UNCH | 4110B | 1075A |
| 335 | ---- | ---- | ---- | 4485N | 4380 - | 105 | .980 | ---- | ---- | 226 | UNCH | 4605B | 1325A |
| 340 | ---- | ---- | ---- | 4980N | 4875 - | 105 | .986 | ---- | ---- | 92 | UNCH | 5085B | 1610A |
| TOTAL | | | | | | | | | 7 | 11602 + | 1 | | |
| SEP18 | SOY BEAN OIL P | | | | | | | | | | | | |
| 250 | ---- | ---- | ---- | 10N | 5 - | 5 | .007 | ---- | ---- | 12 | UNCH | 5 | 5 |
| 260 | ---- | ---- | ---- | 35N | 20 - | 15 | .026 | ---- | ---- | 6 | UNCH | 70 | 30 |
| 270 | ---- | ---- | ---- | 120N | 90 - | 30 | .097 | ---- | ---- | 378 | UNCH | 230 | 35 |
| 275 | ---- | ---- | ---- | 195N | 170 - | 25 | .161 | ---- | 1 | 82 + | 1 | 240B | 50A |
| 280 | ---- | ---- | ---- | 315N | 290 - | 25 | .242 | ---- | ---- | 458 | UNCH | 390B | 75A |
| 285 | ---- | ---- | ---- | 490N | 445 - | 45 | .334 | ---- | ---- | 430 | UNCH | 920 | 80A |
| 290 | ---- | ---- | ---- | 715N | 650 - | 65 | .435 | ---- | ---- | 559 | UNCH | 840B | 80 |
| 295 | ---- | ---- | ---- | 990N | 920 - | 70 | .537 | ---- | ---- | 850 | UNCH | 1210 | 145A |
| 300 | ---- | ---- | ---- | 1315N | 1245 - | 70 | .630 | ---- | ---- | 354 | UNCH | 1485B | 215A |
| 305 | ---- | ---- | ---- | 1675N | 1620 - | 55 | .710 | ---- | ---- | 143 | UNCH | 1980 | 320A |
| 310 | ---- | ---- | ---- | 2080N | 2025 - | 55 | .774 | ---- | ---- | 1184 | UNCH | 2250B | 435A |
| 315 | ---- | ---- | ---- | 2515N | 2450 - | 65 | .826 | ---- | ---- | 27 | UNCH | 2670B | 580A |
| 320 | ---- | ---- | ---- | 2965N | 2900 - | 65 | .865 | ---- | ---- | 295 | UNCH | 3120B | 745A |
| 325 | ---- | ---- | ---- | 3435N | 3365 - | 70 | .894 | ---- | ---- | 52 | UNCH | 3555B | 940A |
| 330 | ---- | ---- | ---- | 3910N | 3840 - | 70 | .916 | ---- | ---- | 129 | UNCH | 4020B | 1155A |
| 335 | ---- | ---- | ---- | 4390N | 4315 - | 75 | .933 | ---- | ---- | 4 | UNCH | 4500B | 1420A |
| 340 | ---- | ---- | ---- | 4870N | 4795 - | 75 | .950 | ---- | ---- | 183 | UNCH | 4980B | 1700A |
| 350 | ---- | ---- | ---- | 5850N | 5765 - | 85 | .975 | ---- | ---- | 2 | UNCH | 5940B | 2265A |
| TOTAL | | | | | | | | | 1 | 5148 + | 1 | | |
| OCT18 | SOY BEAN OIL P | | | | | | | | | | | | |
| 270 | ---- | ---- | ---- | 140N | 125 - | 15 | .114 | ---- | ---- | 75 | UNCH | 260 | 145A |
| 275 | ---- | ---- | ---- | 230N | 210 - | 20 | .172 | ---- | ---- | 20 | UNCH | 400 | 210A |
| 280 | ---- | ---- | ---- | 360N | 330 - | 30 | .244 | ---- | 121 | 217 + | 76 | 500 | 150 |
| 285 | ---- | ---- | ---- | 535N | 495 - | 40 | .326 | ---- | ---- | 28 | UNCH | 730 | 145A |
| 290 | ---- | ---- | ---- | 755N | 710 - | 45 | .415 | ---- | ---- | 863 | UNCH | 935 | 150A |
| 295 | ---- | ---- | ---- | 1025N | 970 - | 55 | .503 | ---- | ---- | 201 | UNCH | 1110B | 215A |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | ---- | ---- | ---- | 1335N | 1280 - | 55 | .586 | ---- | ---- | 119 | UNCH | 1440B | 280A |
| 305 | ---- | ---- | ---- | 1685N | 1625 - | 60 | .662 | ---- | ---- | 1821 | UNCH | 1785B | 390A |
| 310 | ---- | ---- | ---- | 2070N | 2000 - | 70 | .725 | ---- | ---- | 321 | UNCH | 2175B | 545A |
| 315 | ---- | ---- | ---- | 2480N | 2410 - | 70 | .780 | ---- | ---- | 195 | UNCH | 2595B | 710A |
| 320 | ---- | ---- | ---- | 2910N | 2840 - | 70 | .823 | ---- | ---- | 56 | UNCH | 3015B | 905A |
| 325 | ---- | ---- | ---- | 3360N | 3290 - | 70 | .857 | ---- | ---- | 114 | UNCH | 3450B | 1135A |
| 335 | ---- | ---- | ---- | 4290N | 4220 - | 70 | .904 | ---- | ---- | 56 | UNCH | 4365B | 1680A |
| TOTAL | | | | | | | | | 121 | 4086 + | 76 | | |
| DEC18 | | | | | | | | | | | | | |
| 260 | ---- | ---- | ---- | 95N | 85 - | 10 | .067 | ---- | ---- | 5 | UNCH | 110 | 80 |
| 265 | ---- | ---- | ---- | 150N | 140 - | 10 | .101 | ---- | ---- | 2 | UNCH | 205 | 90 |
| 270 | ---- | ---- | ---- | 230N | 215 - | 15 | .143 | ---- | ---- | 1 | UNCH | 245B | 90 |
| 275 | ---- | ---- | ---- | 340N | 320 - | 20 | .195 | ---- | ---- | 70 | UNCH | 380 | 125A |
| 280 | ---- | ---- | ---- | 480N | 455 - | 25 | .254 | ---- | 25 | 200 + | 4 | 710 | 155 |
| 285 | ---- | ---- | ---- | 665N | 625 - | 40 | .318 | ---- | ---- | 230 | UNCH | 830 | 175A |
| 290 | ---- | ---- | ---- | 880N | 830 - | 50 | .386 | ---- | 35 | 2622 | UNCH | 920B | 230A |
| 295 | ---- | ---- | ---- | 1130N | 1070 - | 60 | .455 | ---- | ---- | 1104 | UNCH | 1230 | 280 |
| 300 | ---- | ---- | ---- | 1415N | 1350 - | 65 | .523 | ---- | ---- | 676 | UNCH | 1840 | 380A |
| 305 | ---- | ---- | ---- | 1735N | 1665 - | 70 | .586 | ---- | ---- | 269 | UNCH | 1830B | 490A |
| 310 | ---- | ---- | ---- | 2080N | 2010 - | 70 | .644 | ---- | ---- | 1314 | UNCH | 2175B | 625A |
| 315 | ---- | ---- | ---- | 2455N | 2385 - | 70 | .696 | ---- | ---- | 474 | UNCH | 2550B | 790A |
| 320 | ---- | ---- | ---- | 2850N | 2780 - | 70 | .741 | ---- | ---- | 780 | UNCH | 2955B | 975A |
| 325 | ---- | ---- | ---- | 3265N | 3190 - | 75 | .780 | ---- | ---- | 333 | UNCH | 3360B | 1195A |
| 330 | ---- | ---- | ---- | 3700N | 3620 - | 80 | .815 | ---- | ---- | 788 | UNCH | 3795B | 1440A |
| 335 | ---- | ---- | ---- | 4145N | 4065 - | 80 | .843 | ---- | ---- | 10 | UNCH | 4230B | 1705A |
| 340 | ---- | ---- | ---- | 4600N | 4515 - | 85 | .867 | ---- | ---- | 150 | UNCH | 4665B | 2000A |
| 360 | ---- | ---- | ---- | 6480N | 6390 - | 90 | .935 | ---- | ---- | 100 | UNCH | 6540B | 3380A |
| 370 | ---- | ---- | ---- | 7445N | 7350 - | 95 | .958 | ---- | ---- | 50 | UNCH | 7515B | 4175A |
| TOTAL | | | | | | | | | 60 | 9178 + | 4 | | |
| JAN19 | | | | | | | | | | | | | |
| 280 | ---- | ---- | ---- | 490N | 425 - | 65 | .233 | ---- | ---- | 50 | UNCH | 480 | 440A |
| 285 | ---- | ---- | ---- | 660N | 595 - | 65 | .295 | ---- | ---- | 22 | UNCH | 605B | 450 |
| 290 | ---- | ---- | ---- | 860N | 795 - | 65 | .359 | ---- | 10 | 25 + | 8 | 805B | 750A |
| 295 | ---- | ---- | ---- | 1090N | 1025 - | 65 | .423 | ---- | 150 | 160 + | 60 | 1035B | 475A |
| 300 | ---- | ---- | ---- | 1360N | 1295 - | 65 | .487 | ---- | ---- | 17 | UNCH | 1295B | 455A |
| 305 | ---- | ---- | ---- | 1660N | 1605 - | 55 | .548 | ---- | ---- | 67 | UNCH | 1590B | 580A |
| 310 | ---- | ---- | ---- | 1990N | 1940 - | 50 | .603 | ---- | ---- | 75 | UNCH | 1915B | 705A |
| 315 | ---- | ---- | ---- | 2345N | 2290 - | 55 | .654 | ---- | ---- | 15 | UNCH | 2230 | 880A |
| 320 | ---- | ---- | ---- | 2725N | 2655 - | 70 | .703 | ---- | ---- | 102 | UNCH | 1930B | 1085A |
| 330 | ---- | ---- | ---- | 3545N | 3440 - | 105 | .788 | ---- | 160 | 55 - | 45 | 2245B | 1585A |
| TOTAL | | | | | | | | | 320 | 588 + | 23 | | |
| MAR19 | | | | | | | | | | | | | |
| 270 | ---- | ---- | ---- | 335N | 320 - | 15 | .157 | ---- | ---- | 2 | UNCH | 325 | 300 |
| 280 | ---- | ---- | ---- | 580N | 550 - | 30 | .240 | ---- | ---- | 1083 | UNCH | 550 | 450 |
| 300 | ---- | ---- | ---- | 1350N | 1295 - | 55 | .448 | ---- | ---- | 1 | UNCH | 1250 | 1250 |
| 305 | ---- | ---- | ---- | 1600N | 1535 - | 65 | .505 | ---- | ---- | 7 | UNCH | ---- | ---- |
| 310 | ---- | ---- | ---- | 1880N | 1810 - | 70 | .561 | ---- | ---- | 676 | UNCH | 1300 | 1300 |
| TOTAL | | | | | | | | | 0 | 1769 | | | |
| MAY19 | | | | | | | | | | | | | |
| 290 | ---- | ---- | ---- | 890N | 845 - | 45 | .314 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 295 | ---- | ---- | ---- | 1095N | 1045 - | 50 | .364 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 300 | ---- | ---- | ---- | 1330N | 1275 - | 55 | .415 | ---- | ---- | 12 | UNCH | 1500 | 1500 |
| 305 | ---- | ---- | ---- | 1595N | 1530 - | 65 | .466 | ---- | ---- | 8 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 32 | | | |
| JUL19 | | | | | | | | | | | | | |
| 295 | ---- | ---- | ---- | 1180N | 1135 - | 45 | .346 | ---- | 100 | 100 | UNCH | ---- | ---- |
| 300 | ---- | ---- | ---- | 1380N | 1330 - | 50 | .389 | ---- | ---- | 1 | UNCH | 1500 | 1500 |
| 330 | ---- | ---- | ---- | 3080N | 2995 - | 85 | .654 | ---- | 75 | 100 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 175 | 201 | | | |

### SOYBEAN CRUSH CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY CRUSH CALL | | | | | | | | | | | |
| AUG18 | SOY CRUSH CALL | | | | | | | | | | |
| 124 | ---- | ---- | ---- | 545N | 544 - | 1 .987 | ---- | ---- | 10 UNCH | 100 | 100 |
| 160 | ---- | ---- | ---- | 245N | 244 - | 1 .714 | ---- | ---- | 15 UNCH | 180 | 170 |
| 170 | ---- | ---- | ---- | 190N | 186 - | 2 .596 | ---- | ---- | 5 UNCH | 120 | 120 |
| TOTAL | | | | | | | | 0 | 30 | | |
| SEP18 | SOY CRUSH CALL | | | | | | | | | | |
| 170 | ---- | ---- | ---- | 164N | 154 - | 10 .541 | ---- | ---- | 10 UNCH | 150 | 150 |
| TOTAL | | | | | | | | 0 | 10 | | |

### SOYBEAN CRUSH PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SOY CRUSH PUT | | | | | | | | | | | |
| AUG18 | SOY CRUSH PUT | | | | | | | | | | |
| 166 | ---- | ---- | ---- | 85N | 83 - | 2 .355 | ---- | ---- | 7 UNCH | 230 | 230 |
| TOTAL | | | | | | | | 0 | 7 | | |

### WHEAT CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEAT CALL | | | | | | | | | | | |
| AUG18 | WHEAT CALL | | | | | | | | | | |
| 385 | ---- | ---- | ---- | 980N | 1034 + | NEW .999 | ---- | 2 | 2 + 2 | 1771B | 987A |
| 410 | ---- | ---- | ---- | 730N | 785 + | 55 .996 | ---- | ---- | 4 UNCH | 1514B | 712A |
| 415 | ---- | ---- | ---- | 681N | 735 + | NEW .993 | ---- | 2 | 2 + 2 | 1542B | 663A |
| 470 | ---- | ---- | ---- | 214N | 250 + | 34 .718 | ---- | ---- | 2 UNCH | 1003B | 201A |
| 475 | ---- | ---- | ---- | 185N | 217 + | 32 .664 | ---- | ---- | 16 UNCH | 956B | 173A |
| 480 | ---- | ---- | ---- | 160N | 190 + | 30 .608 | ---- | 2 | 104 UNCH | 911B | 150 |
| 485 | ---- | ---- | ---- | 136N | 163 + | 25 .553 | ---- | 27 | 435 + 3 | 865B | 127A |
| 490 | ---- | ---- | ---- | 116N | 140 + | 22 .498 | ---- | 75 | 665 + 55 | 822B | 107 |
| 495 | ---- | ---- | ---- | 100N | 120 + | 20 .445 | ---- | 52 | 205 + 34 | 777B | 93A |
| 500 | ---- | ---- | ---- | 84N | 101 + | 15 .393 | ---- | 644 | 3663 + 457 | 735B | 80A |
| 505 | ---- | ---- | ---- | 71N | 85 + | 14 .347 | ---- | 106 | 881 - 34 | 694B | 67A |
| 510 | ---- | ---- | ---- | 60N | 72 + | 12 .302 | ---- | 115 | 1988 - 40 | 654B | 56A |
| 515 | ---- | ---- | ---- | 50N | 61 + | 11 .263 | ---- | 33 | 780 + 21 | 615B | 47A |
| 520 | 50 | #50 | *50 | 50 | 51 + | 7 .227 | ---- | 2268 | 3025 + 1278 | 580B | 41A |
| 525 | ---- | ---- | ---- | 34N | 42 + | 6 .194 | ---- | 219 | 1610 + 118 | 547B | 34A |
| 530 | ---- | ---- | ---- | 30N | 34 + | 4 .165 | ---- | 453 | 1669 + 311 | 513B | 30 |
| 535 | ---- | ---- | ---- | 25N | 27 + | 2 .139 | ---- | 29 | 340 - 12 | 482B | 25A |
| 540 | ---- | ---- | ---- | 22N | 23 + | 1 .118 | ---- | 896 | 1562 - 351 | 451B | 21 |
| 545 | ---- | ---- | ---- | 17N | 20 + | 1 .101 | ---- | 52 | 1064 + 11 | 422B | 17A |
| 550 | ---- | ---- | ---- | 15N | 15 | UNCH .084 | ---- | 41 | 1599 + 32 | 394B | 15A |
| 555 | ---- | ---- | ---- | 13N | 13 | UNCH .071 | ---- | 3 | 826 - 3 | 367B | 13A |
| 560 | ---- | ---- | ---- | 11N | 11 | UNCH .059 | ---- | 249 | 1899 + 112 | 343B | 12A |
| 565 | ---- | ---- | ---- | 10N | 10 | UNCH .052 | ---- | ---- | 210 UNCH | 321B | 11 |
| 570 | ---- | ---- | ---- | 7N | 7 | UNCH .046 | ---- | 7 | 1233 UNCH | 297B | 7A |
| 575 | ---- | ---- | ---- | 6N | 6 | UNCH .039 | ---- | ---- | 888 UNCH | 282B | 7A |
| 580 | ---- | ---- | ---- | 6N | 6 | UNCH .038 | ---- | 4 | 1173 + 2 | 263B | 5 |
| 585 | ---- | ---- | ---- | 5N | 5 | UNCH .032 | ---- | 4 | 181 UNCH | 245B | 5A |
| 590 | ---- | ---- | ---- | 4N | 5 + | 1 .031 | ---- | 84 | 549 UNCH | 227B | 4 |
| 595 | ---- | ---- | ---- | 4N | 4 | UNCH .025 | ---- | 10 | 679 UNCH | 212B | 4 |
| 600 | ---- | ---- | ---- | 4N | 3 - | 1 .019 | ---- | 75 | 2697 - 31 | 196B | 3 |
| 605 | ---- | ---- | ---- | 3N | 3 | UNCH .019 | ---- | ---- | 557 UNCH | 183B | 4 |
| 610 | ---- | ---- | ---- | 3N | 2 - | 1 .013 | ---- | 1 | 1158 UNCH | 167B | 3 |
| 615 | ---- | ---- | ---- | 3N | 2 - | 1 .013 | ---- | ---- | 313 UNCH | 156B | 2 |
| 620 | ---- | ---- | ---- | 2N | 2 | UNCH .012 | ---- | ---- | 562 UNCH | 145B | 4 |
| 625 | ---- | ---- | ---- | 2N | 1 - | 1 .007 | ---- | ---- | 424 UNCH | 134 | 3 |
| 630 | ---- | ---- | ---- | 2N | 1 - | 1 .005 | ---- | 2 | 639 - 2 | 124 | 2 |
| 635 | ---- | ---- | ---- | 2N | 1 - | 1 .004 | ---- | 2 | 148 - 2 | 115B | 2 |
| 640 | ---- | ---- | ---- | 1N | 1 | UNCH .003 | ---- | ---- | 278 UNCH | 105B | 3A |
| 645 | ---- | ---- | ---- | 1N | 1 | UNCH .002 | ---- | ---- | 236 UNCH | 100B | 3 |
| 650 | ---- | ---- | ---- | 1N | 1 | UNCH .002 | ---- | ---- | 438 UNCH | 96 | 3A |
| 655 | ---- | ---- | ---- | 1N | 1 | UNCH .001 | ---- | ---- | 46 UNCH | 84B | 2A |
| 660 | ---- | ---- | ---- | 1N | 1 | UNCH .001 | ---- | ---- | 214 UNCH | 77B | 2A |
| 665 | ---- | ---- | ---- | 1N | 1 | UNCH .001 | ---- | ---- | 128 UNCH | 71B | 2A |
| 670 | ---- | ---- | ---- | 1N | 1 | UNCH .000 | ---- | 8 | 398 - 8 | 66B | 1 |
| 675 | ---- | ---- | ---- | 1N | 1 | UNCH .000 | ---- | ---- | 222 UNCH | 62B | 2A |
| 680 | ---- | ---- | ---- | 1N | 1 | UNCH .000 | ---- | 173 | 349 - 30 | 57 | 1 |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS

57
Side 13

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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 685 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 89 | UNCH | 52 | 2 |
| 690 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | 82 | 1171 | UNCH | 44 | 1 |
| 695 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 115 | UNCH | 20 | 2 |
| 700 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 848 | UNCH | 33B | 1 |
| TOTAL | | | | | | | | | 5720 | 38284 + | 1925 | | |
| SEP18 | | | | | | | | | | | | | |
| 390 | ---- | ---- | ---- | 930N | 985 + | 55 | .987 | ---- | ---- | 1 | UNCH | 1772B | 664A |
| 400 | ---- | ---- | ---- | 831N | 885 + | 54 | .985 | ---- | ---- | 202 | UNCH | 1684B | 583A |
| 420 | ---- | ---- | ---- | 637N | 691 + | 52 | .960 | ---- | ---- | 2 | UNCH | 1493B | 450A |
| 430 | ---- | ---- | ---- | 546N | 596 + | 50 | .932 | ---- | ---- | 2 | UNCH | 1395B | 391A |
| 440 | ---- | ---- | ---- | 461N | 507 + | 46 | .888 | ---- | ---- | 11 | UNCH | 1297B | 341A |
| 450 | ---- | ---- | ---- | 382N | 425 + | 43 | .830 | ---- | ---- | 2280 | UNCH | 1203B | 296A |
| 460 | ---- | ---- | ---- | 313N | 351 + | 36 | .759 | ---- | ---- | 483 | UNCH | 1110B | 260A |
| 470 | ---- | ---- | ---- | 253N | 285 + | 32 | .678 | ---- | ---- | 1280 | UNCH | 1016B | 224A |
| 475 | ---- | ---- | ---- | 226N | 256 + | 30 | .635 | ---- | ---- | 10 | UNCH | 814B | 215A |
| 480 | ---- | ---- | ---- | 203N | 231 + | 26 | .591 | ---- | 3 | 2463 - | 1 | 930B | 193A |
| 485 | ---- | ---- | ---- | 181N | 206 + | 25 | .548 | ---- | 1 | 16 + | 1 | 732B | 172A |
| 490 | ---- | ---- | ---- | 161N | 184 + | 23 | .506 | ---- | 122 | 3143 + | 21 | 844B | 152 |
| 495 | ---- | ---- | ---- | 143N | 164 + | 21 | .466 | ---- | 1 | 367 | UNCH | 653B | 135A |
| 500 | ---- | ---- | ---- | 126N | 146 + | 20 | .428 | ---- | 495 | 4577 + | 435 | 763B | 121A |
| 505 | ---- | ---- | ---- | 112N | 131 + | 17 | .391 | ---- | 147 | 670 + | 147 | 581B | 107A |
| 510 | ---- | ---- | ---- | 100N | 115 + | 15 | .356 | ---- | 151 | 3168 + | 26 | 687B | 95A |
| 515 | ---- | ---- | ---- | 86N | 102 + | 14 | .323 | ---- | 251 | 496 + | 165 | 513B | 84A |
| 520 | ---- | ---- | ---- | 75N | 90 + | 13 | .291 | ---- | 550 | 3393 + | 179 | 620B | 74A |
| 525 | ---- | ---- | ---- | 66N | 80 + | 12 | .264 | ---- | 150 | 758 + | 76 | 454B | 65A |
| 530 | ---- | ---- | ---- | 57N | 70 + | 11 | .237 | ---- | 603 | 5460 - | 29 | 554B | 57 |
| 535 | ---- | ---- | ---- | 52N | 62 + | 10 | .214 | ---- | 100 | 447 + | 90 | 400B | 51A |
| 540 | ---- | ---- | ---- | 45N | 54 + | 7 | .192 | ---- | 1182 | 5605 + | 769 | 495B | 45A |
| 545 | ---- | ---- | ---- | 41N | 50 + | 7 | .175 | ---- | 200 | 385 + | 140 | 352B | 41A |
| 550 | 44 | 44 | *43 | 43 | 43 + | 6 | .156 | ---- | 245 | 6113 - | 147 | 441B | 35A |
| 555 | ---- | ---- | ---- | 32N | 37 + | 5 | .140 | ---- | 60 | 278 - | 8 | 311 | 32A |
| 560 | ---- | ---- | ---- | 26N | 33 + | 5 | .125 | ---- | 199 | 1510 + | 28 | 392 | 27 |
| 565 | ---- | ---- | ---- | 24N | 30 + | 4 | .112 | ---- | ---- | 276 | UNCH | 330B | 25A |
| 570 | ---- | ---- | ---- | 22N | 25 + | 3 | .099 | ---- | 3 | 1316 + | 3 | 347B | 22A |
| 575 | ---- | ---- | ---- | 20N | 23 + | 3 | .090 | ---- | 1 | 324 | UNCH | 291B | 20A |
| 580 | ---- | ---- | ---- | 16N | 21 + | 3 | .081 | ---- | 770 | 3109 - | 44 | 311B | 17 |
| 585 | ---- | ---- | ---- | 15N | 17 + | 2 | .072 | ---- | 1 | 87 + | 1 | 255B | 15A |
| 590 | ---- | ---- | ---- | 13N | 15 + | 2 | .064 | ---- | 21 | 1175 - | 11 | 274B | 14 |
| 595 | ---- | ---- | ---- | 12N | 14 + | 2 | .059 | ---- | ---- | 137 | UNCH | 180B | 13A |
| 600 | ---- | ---- | ---- | 11N | 12 + | 1 | .050 | ---- | 166 | 7136 + | 32 | 242B | 11 |
| 605 | ---- | ---- | ---- | 10N | 11 + | 1 | .045 | ---- | 1 | 109 + | 1 | 155B | 11 |
| 610 | ---- | ---- | ---- | 7N | 10 + | 1 | .040 | ---- | 61 | 2008 - | 53 | 213B | 10 |
| 615 | ---- | ---- | ---- | 7N | 10 + | 1 | .039 | ---- | 13 | 261 | UNCH | 134B | 7A |
| 620 | ---- | ---- | ---- | 6N | 7 + | 1 | .035 | ---- | 7 | 2222 - | 5 | 187B | 7A |
| 625 | ---- | ---- | ---- | 6N | 7 + | 1 | .034 | ---- | 6 | 97 + | 6 | 116B | 6 |
| 630 | ---- | ---- | ---- | 5N | 6 + | 1 | .030 | ---- | 8 | 345 - | 6 | 164B | 6 |
| 635 | ---- | ---- | ---- | 5N | 6 + | 1 | .029 | ---- | ---- | 116 | UNCH | 101B | 5 |
| 640 | ---- | ---- | ---- | 5N | 5 | UNCH | .025 | ---- | ---- | 300 | UNCH | 143B | 5A |
| 645 | ---- | ---- | ---- | 4N | 5 + | 1 | .024 | ---- | 1 | 41 | UNCH | 86B | 4 |
| 650 | ---- | ---- | ---- | 4N | 4 | UNCH | .020 | ---- | 8 | 1162 + | 8 | 126B | 4 |
| 655 | ---- | ---- | ---- | 4N | 4 | UNCH | .019 | ---- | 60 | 190 - | 32 | 74B | 4A |
| 660 | ---- | ---- | ---- | 3N | 4 + | 1 | .019 | ---- | ---- | 512 | UNCH | 113 | 4 |
| 665 | ---- | ---- | ---- | 3N | 3 | UNCH | .015 | ---- | 1 | 56 | UNCH | 87B | 3 |
| 670 | ---- | ---- | ---- | 3N | 3 | UNCH | .015 | ---- | 1 | 124 - | 1 | 100 | 3 |
| 675 | ---- | ---- | ---- | 3N | 3 | UNCH | .014 | ---- | 6 | 157 | UNCH | 55B | 3A |
| 680 | ---- | ---- | ---- | 3N | 3 | UNCH | .014 | ---- | 1 | 593 - | 1 | 84B | 3 |
| 685 | ---- | ---- | ---- | 2N | 2 | UNCH | .010 | ---- | ---- | 163 | UNCH | 47B | 4A |
| 690 | ---- | ---- | ---- | 2N | 2 | UNCH | .010 | ---- | ---- | 1129 | UNCH | 73B | 4A |
| 695 | ---- | ---- | ---- | 2N | 2 | UNCH | .010 | ---- | ---- | 103 | UNCH | 41B | 3 |
| 700 | ---- | ---- | ---- | 2N | 2 | UNCH | .009 | ---- | 24 | 848 + | 22 | 64B | 2 |
| 710 | ---- | ---- | ---- | 2N | 2 | UNCH | .009 | ---- | ---- | 243 | UNCH | 55B | 2 |
| 720 | ---- | ---- | ---- | 2N | 1 - | 1 | .005 | ---- | ---- | 449 | UNCH | 50B | 3 |
| 730 | ---- | ---- | ---- | 1N | 1 | UNCH | .004 | ---- | ---- | 145 | UNCH | 42 | 2 |
| 740 | ---- | ---- | ---- | 1N | 1 | UNCH | .003 | ---- | ---- | 192 | UNCH | 40 | 2A |
| 750 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | ---- | 322 | UNCH | 32B | 2A |
| 760 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 247 | UNCH | 27B | 2A |
| 770 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 104 | UNCH | 24B | 1 |
| 780 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 688 | UNCH | 22B | 1 |
| 790 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 188 | UNCH | 21B | 1 |
| 800 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 582 | UNCH | 17B | 2 |
| 810 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 210 | UNCH | 16B | 2 |
| 820 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 57 | UNCH | 15B | 2A |
| 830 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 31 | UNCH | 13B | 1 |
| 840 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 69 | UNCH | 13B | 2A |
| 850 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 33 | UNCH | 12B | 2A |
| 860 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 256 | UNCH | 11B | 2A |
| 870 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 31 | UNCH | 10B | 2 |
| 880 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 17 | UNCH | 10B | 2A |
| 890 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 115 | UNCH | 7B | 2 |
| 900 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 12 | UNCH | 7B | 3 |
| 910 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 69 | UNCH | 30 | 1A |
| 1000 | ---- | ---- | ---- | 1N | 1 | UNCH | ---- | ---- | ---- | 100 | UNCH | 1 | 1 |
| TOTAL | | | | | | | | | 5620 | 71376 + | 1812 | | |
| OCT18 | | | | | | | | | | | | | |
| 510 | ---- | ---- | ---- | 190N | 200 + | 10 | .479 | ---- | ---- | 32 | UNCH | 220B | 184A |
| 525 | ---- | ---- | ---- | 141N | 147 + | NEW | .383 | ---- | 1 | 1 + | 1 | 197B | 140A |
| 555 | ---- | ---- | ---- | 76N | 82 + | NEW | .236 | ---- | 1 | 1 + | 1 | 115B | 80A |
| 590 | ---- | ---- | ---- | 40N | 41 + | 1 | .128 | ---- | ---- | 64 | UNCH | 47B | 42A |
| 625 | ---- | ---- | ---- | 20N | 22 + | 2 | .072 | ---- | ---- | 32 | UNCH | 23B | 23A |
| 650 | ---- | ---- | ---- | 13N | 14 + | 1 | .049 | ---- | ---- | 5 | UNCH | 14B | 13 |
| TOTAL | | | | | | | | | 2 | 135 + | 2 | | |
| DEC18 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | 1010N | 1041 + | 31 | .971 | ---- | ---- | 1 | UNCH | 1845B | 746A |
| 420 | ---- | ---- | ---- | 823N | 853 + | 30 | .933 | ---- | ---- | 50 | UNCH | 1671B | 595A |
| 430 | ---- | ---- | ---- | 735N | 764 + | 27 | .903 | ---- | ---- | 4 | UNCH | 1573B | 532A |
| 440 | ---- | ---- | ---- | 652N | 680 + | 26 | .867 | ---- | ---- | 1 | UNCH | 1475B | 472A |
| 450 | ---- | ---- | ---- | 575N | 601 + | 24 | .823 | ---- | ---- | 360 | UNCH | 1382B | 417A |
| 460 | ---- | ---- | ---- | 504N | 526 + | 22 | .774 | ---- | ---- | 70 | UNCH | 1287B | 372A |
| 470 | ---- | ---- | ---- | 441N | 461 + | 20 | .720 | ---- | ---- | 113 | UNCH | 1197B | 331A |
| 480 | ---- | ---- | ---- | 383N | 401 + | 16 | .664 | ---- | ---- | 302 | UNCH | 1111B | 293A |
| 490 | ---- | ---- | ---- | 333N | 347 + | 14 | .606 | ---- | 2 | 216 + | 1 | 1025B | 261A |
| 500 | ---- | ---- | ---- | 287N | 301 + | 12 | .549 | ---- | 321 | 2301 + | 1 | 944B | 232A |
| 510 | ---- | ---- | ---- | 247N | 261 + | 12 | .494 | ---- | 320 | 1614 - | 135 | 866B | 206A |
| 520 | ---- | ---- | ---- | 214N | 224 + | 10 | .442 | ---- | 4 | 2102 + | 4 | 795B | 184A |
| 530 | ---- | ---- | ---- | 184N | 194 + | 10 | .395 | ---- | 10 | 897 | UNCH | 726B | 164A |
| 540 | ---- | ---- | ---- | 160N | 167 + | 7 | .351 | ---- | 3 | 3569 + | 3 | 663B | 146A |
| 550 | ---- | ---- | ---- | 137N | 144 + | 5 | .311 | ---- | ---- | 5199 | UNCH | 603B | 132A |
| 560 | ---- | ---- | ---- | 120N | 125 + | 5 | .276 | ---- | ---- | 2245 | UNCH | 547B | 117A |
| 570 | ---- | ---- | ---- | 103N | 107 + | 4 | .244 | ---- | ---- | 1395 | UNCH | 496B | 102A |
| 580 | ---- | ---- | ---- | 90N | 93 + | 3 | .215 | ---- | ---- | 3093 | UNCH | 451 | 90A |
| 590 | ---- | ---- | ---- | 76N | 81 + | 3 | .190 | ---- | 200 | 1082 - | 120 | 414 | 77A |
| 600 | ---- | ---- | ---- | 66N | 71 + | 3 | .168 | ---- | 22 | 4007 - | 2 | 374B | 64 |
| 610 | ---- | ---- | ---- | 57N | 62 + | 3 | .149 | ---- | ---- | 1226 | UNCH | 336B | 60A |
| 620 | ---- | ---- | ---- | 51N | 53 + | 2 | .131 | ---- | 101 | 1947 - | 1 | 303B | 52 |
| 630 | ---- | ---- | ---- | 44N | 46 + | 2 | .116 | ---- | ---- | 1427 | UNCH | 273B | 45A |
| 640 | ---- | ---- | ---- | 40N | 41 + | 1 | .103 | ---- | 2 | 1948 | UNCH | 244B | 40A |
| 650 | ---- | ---- | ---- | 34N | 35 + | 1 | .091 | ---- | 104 | 4580 | UNCH | 223 | 35 |
| 660 | ---- | ---- | ---- | 30N | 32 + | 2 | .082 | ---- | ---- | 633 | UNCH | 200B | 31A |
| 670 | ---- | ---- | ---- | 25N | 27 + | 2 | .073 | ---- | 1 | 1020 - | 1 | 177B | 26A |
| 680 | ---- | ---- | ---- | 23N | 24 + | 1 | .064 | ---- | ---- | 420 | UNCH | 160B | 24A |
| 690 | ---- | ---- | ---- | 21N | 21 | UNCH | .055 | ---- | 1 | 192 + | 1 | 143B | 22 |
| 700 | ---- | ---- | ---- | 17N | 17 | UNCH | .049 | ---- | 3 | 2003 - | 1 | 130B | 17 |
| 710 | ---- | ---- | ---- | 15N | 16 + | 1 | .046 | ---- | ---- | 218 | UNCH | 115B | 16A |
| 720 | ---- | ---- | ---- | 14N | 15 + | 1 | .042 | ---- | 2 | 182 - | 2 | 103B | 15A |
| 730 | ---- | ---- | ---- | 13N | 14 + | 1 | .039 | ---- | ---- | 126 | UNCH | 93B | 14A |
| 740 | ---- | ---- | ---- | 12N | 12 | UNCH | .033 | ---- | ---- | 89 | UNCH | 83B | 13A |
| 750 | ---- | ---- | ---- | 10N | 11 + | 1 | .030 | ---- | ---- | 697 | UNCH | 75 | 10 |
| 760 | ---- | ---- | ---- | 7N | 10 + | 1 | .026 | ---- | ---- | 142 | UNCH | 65B | 11A |
| 770 | ---- | ---- | ---- | 7N | 7 | UNCH | .023 | ---- | ---- | 193 | UNCH | 57B | 10A |
| 780 | ---- | ---- | ---- | 6N | 6 | UNCH | .020 | ---- | ---- | 89 | UNCH | 54 | 7A |
| 790 | ---- | ---- | ---- | 5N | 6 + | 1 | .020 | ---- | ---- | 54 | UNCH | 47B | 7 |
| 800 | ---- | ---- | ---- | 5N | 5 | UNCH | .017 | ---- | 3 | 562 | UNCH | 43B | 6A |
| 810 | ---- | ---- | ---- | 5N | 5 | UNCH | .016 | ---- | ---- | 424 | UNCH | 37B | 6A |
| 820 | ---- | ---- | ---- | 4N | 4 | UNCH | .013 | ---- | ---- | 141 | UNCH | 34B | 6A |
| 830 | ---- | ---- | ---- | 4N | 4 | UNCH | .013 | ---- | ---- | 3 | UNCH | 31B | 6A |
| 840 | ---- | ---- | ---- | 4N | 4 | UNCH | .013 | ---- | ---- | 21 | UNCH | 26B | 5A |
| 850 | ---- | ---- | ---- | 3N | 4 + | 1 | .013 | ---- | ---- | 6 | UNCH | 24B | 5A |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS

57
Side 14

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 860 | ---- | ---- | ---- | 3N | 4 + | 1 | .013 | ---- | ---- | 47 | UNCH | 23 | 5A |
| 870 | ---- | ---- | ---- | 3N | 3 | UNCH | .010 | ---- | ---- | 13 | UNCH | 21B | 4A |
| 900 | ---- | ---- | ---- | 3N | 3 | UNCH | .009 | ---- | ---- | 173 | UNCH | 14B | 2 |
| 1000 | ---- | ---- | ---- | 2N | 2 | UNCH | .006 | ---- | ---- | 333 | UNCH | 5 | 2 |
| TOTAL | | | | | | | | | 1099 | 47530 - | 252 | | |
| MAR19 | | | | | | | | | | | | | |
| 520 | ---- | ---- | ---- | 323N | 327 + | 4 | .528 | ---- | ---- | 30 | UNCH | 872B | 300 |
| 530 | ---- | ---- | ---- | 284N | 290 + | 4 | .482 | ---- | ---- | 181 | UNCH | 801B | 290A |
| 540 | ---- | ---- | ---- | 251N | 254 + | 3 | .438 | ---- | ---- | 17 | UNCH | 734B | 200 |
| 550 | ---- | ---- | ---- | 220N | 223 + | 3 | .397 | ---- | ---- | 79 | UNCH | 673B | 203 |
| 560 | ---- | ---- | ---- | 193N | 195 + | 2 | .358 | ---- | ---- | 3139 | UNCH | 614B | 195 |
| 570 | ---- | ---- | ---- | 170N | 171 + | 1 | .322 | ---- | ---- | 155 | UNCH | 562B | 182A |
| 580 | ---- | ---- | ---- | 147N | 150 + | 1 | .289 | ---- | ---- | 387 | UNCH | 512B | 161A |
| 590 | ---- | ---- | ---- | 130N | 131 + | 1 | .259 | ---- | ---- | 5124 | UNCH | 465B | 147A |
| 600 | ---- | ---- | ---- | 113N | 114 + | 1 | .232 | ---- | ---- | 145 | UNCH | 451B | 126A |
| 610 | ---- | ---- | ---- | 100N | 101 + | 1 | .208 | ---- | ---- | 20 | UNCH | 415B | 116A |
| 620 | ---- | ---- | ---- | 86N | 87 + | 1 | .186 | ---- | ---- | 4036 | UNCH | 390B | 105A |
| 630 | ---- | ---- | ---- | 75N | 76 + | 1 | .166 | ---- | ---- | 13 | UNCH | 351B | 93A |
| 640 | ---- | ---- | ---- | 66N | 67 + | 1 | .149 | ---- | ---- | 19 | UNCH | 322B | 84A |
| 650 | ---- | ---- | ---- | 57N | 61 + | 2 | .134 | ---- | 50 | 1512 | UNCH | 293B | 62 |
| 670 | ---- | ---- | ---- | 45N | 46 + | 1 | .107 | ---- | ---- | 17 | UNCH | 241B | 60A |
| 680 | ---- | ---- | ---- | 41N | 43 + | 2 | .098 | ---- | ---- | 10 | UNCH | 216B | 53A |
| 700 | ---- | ---- | ---- | 33N | 34 + | 1 | .080 | ---- | 1 | 1668 | UNCH | 175B | 34 |
| 710 | ---- | ---- | ---- | 30N | 32 + | 2 | .074 | ---- | ---- | 18 | UNCH | 157B | 44A |
| 720 | ---- | ---- | ---- | 26N | 27 + | 1 | .066 | ---- | ---- | 424 | UNCH | 141B | 40A |
| 740 | ---- | ---- | ---- | 22N | 23 + | 1 | .055 | ---- | ---- | 6 | UNCH | 115B | 34A |
| 750 | ---- | ---- | ---- | 20N | 22 + | 2 | .051 | ---- | 1 | 2 - | 1 | 104B | 20 |
| 760 | ---- | ---- | ---- | 17N | 21 + | 2 | .048 | ---- | ---- | 15 | UNCH | 95B | 24A |
| 770 | ---- | ---- | ---- | 16N | 17 + | 1 | .043 | ---- | ---- | 11 | UNCH | 84B | 26A |
| 780 | ---- | ---- | ---- | 15N | 16 + | 1 | .040 | ---- | ---- | 1 | UNCH | 74B | 21A |
| 790 | ---- | ---- | ---- | 14N | 15 + | 1 | .037 | ---- | ---- | 10 | UNCH | 65B | 20A |
| 800 | ---- | ---- | ---- | 13N | 14 + | 1 | .034 | ---- | ---- | 21 | UNCH | 61B | 16A |
| 810 | ---- | ---- | ---- | 12N | 14 + | 2 | .034 | ---- | ---- | 2 | UNCH | 53B | 15A |
| 830 | ---- | ---- | ---- | 11N | 12 + | 1 | .028 | ---- | ---- | 10 | UNCH | 41B | 13A |
| 840 | ---- | ---- | ---- | 10N | 12 + | 2 | .028 | ---- | ---- | 10 | UNCH | 26 | 12A |
| TOTAL | | | | | | | | | 52 | 17082 - | 1 | | |
| MAY19 | | | | | | | | | | | | | |
| 540 | ---- | ---- | ---- | 341N | 342 + | 1 | .498 | ---- | ---- | 67 | UNCH | ---- | ---- |
| 560 | ---- | ---- | ---- | 272N | 273 + | 1 | .422 | ---- | ---- | 3 | UNCH | 400 | 400 |
| 590 | ---- | ---- | ---- | 192N | 193 + | 1 | .322 | ---- | ---- | 10 | UNCH | 270 | 270 |
| 600 | ---- | ---- | ---- | 171N | 171 | UNCH | .293 | ---- | ---- | 13 | UNCH | 310 | 307A |
| 610 | ---- | ---- | ---- | 152N | 152 | UNCH | .266 | ---- | ---- | 1 | UNCH | ---- | 280A |
| 630 | ---- | ---- | ---- | 120N | 117 - | 1 | .218 | ---- | ---- | 2 | UNCH | 184 | 184 |
| 640 | ---- | ---- | ---- | 106N | 104 - | 2 | .196 | ---- | ---- | 4 | UNCH | 304 | 160 |
| 650 | ---- | ---- | ---- | 94N | 93 - | 1 | .178 | ---- | ---- | 1100 | UNCH | ---- | 192A |
| 820 | ---- | ---- | ---- | 16N | 20 + | 2 | .042 | ---- | ---- | 2 | UNCH | 50 | 40 |
| 870 | ---- | ---- | ---- | 12N | 12 | UNCH | .027 | ---- | ---- | 1 | UNCH | 33 | 33 |
| 900 | ---- | ---- | ---- | 10N | 10 | UNCH | .022 | ---- | 89 | 399 + | 81 | 32 | 10 |
| TOTAL | | | | | | | | | 89 | 1602 + | 81 | | |
| JUL19 | | | | | | | | | | | | | |
| 560 | ---- | ---- | ---- | 326N | 327 + | 1 | .453 | ---- | ---- | 50 | UNCH | 424 | 424 |
| 570 | 294 | #294 | *294 | 294 | 296 + | 1 | .420 | ---- | 1 | 29 + | 1 | 400 | 294 |
| 590 | ---- | ---- | ---- | 242N | 243 + | 1 | .359 | ---- | ---- | 194 | UNCH | ---- | ---- |
| 600 | ---- | ---- | ---- | 217N | 220 + | 1 | .331 | ---- | 1 | 731 | UNCH | 520 | 210 |
| 610 | ---- | ---- | ---- | 196N | 197 + | 1 | .305 | ---- | ---- | 404 | UNCH | ---- | ---- |
| 620 | ---- | ---- | ---- | 177N | 177 | UNCH | .281 | ---- | 1000 | 2029 - | 900 | 350 | 350 |
| 630 | ---- | ---- | ---- | 161N | 161 | UNCH | .258 | ---- | ---- | 4 | UNCH | 184 | 184 |
| 640 | ---- | ---- | ---- | 144N | 145 + | 1 | .237 | ---- | ---- | 318 | UNCH | 320 | 164 |
| 650 | ---- | ---- | ---- | 131N | 131 | UNCH | .217 | ---- | ---- | 88 | UNCH | 356B | 166 |
| 660 | ---- | ---- | ---- | 117N | 117 | UNCH | .199 | ---- | ---- | 2 | UNCH | ---- | ---- |
| 670 | ---- | ---- | ---- | 106N | 106 | UNCH | .183 | ---- | ---- | 6 | UNCH | 254 | 150 |
| 690 | ---- | ---- | ---- | 86N | 87 + | 1 | .155 | ---- | ---- | 2 | UNCH | 200 | 200A |
| 700 | ---- | ---- | ---- | 77N | 80 + | 1 | .142 | ---- | ---- | 36 | UNCH | 200 | 87 |
| 740 | ---- | ---- | ---- | 53N | 55 + | 2 | .103 | ---- | ---- | 15 | UNCH | 80 | 64 |
| TOTAL | | | | | | | | | 1002 | 3908 - | 899 | | |
| SEP19 | | | | | | | | | | | | | |
| 620 | ---- | ---- | ---- | 224N | 212 - | 12 | .312 | ---- | 1000 | 2000 + | 1000 | ---- | ---- |
| 630 | ---- | ---- | ---- | 203N | 191 + | NEW | .287 | ---- | 1000 | 1000 + | 1000 | ---- | ---- |
| TOTAL | | | | | | | | | 2000 | 3000 + | 2000 | | |

### WHEAT WEEKLY CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W WK1 CALL | | | | | | | | | | | | | |
| JUL18 | W WK1 CALL | | | | | | | | | | | | |
| 465 | ---- | ---- | ---- | 205N | 250 + | NEW | .879 | ---- | 5 | 5 + | 5 | 293B | 207A |
| 470 | ---- | ---- | ---- | 170N | 207 + | NEW | .816 | ---- | 4 | 4 + | 4 | 250B | 166A |
| 475 | ---- | ---- | ---- | 137N | 172 + | NEW | .744 | ---- | 2 | 2 + | 2 | 207B | 137A |
| TOTAL | | | | | | | | | 11 | 11 + | 11 | | |
| W WK5 CALL | | | | | | | | | | | | | |
| JUN18 | W WK5 CALL | | | | | | | | | | | | |
| 485 | ---- | ---- | ---- | 64N | 85 + | 21 | .605 | ---- | ---- | 5 | UNCH | 163B | 67 |
| 490 | ---- | ---- | ---- | 45N | 61 + | 14 | .463 | ---- | 1 | 3 + | 1 | 224B | 45A |
| 495 | ---- | ---- | ---- | 31N | 41 + | 10 | .327 | ---- | 1 | 1 | UNCH | 310B | 33A |
| 500 | ---- | ---- | ---- | 21N | 26 + | 5 | .217 | ---- | ---- | 2 | UNCH | 273B | 24A |
| 520 | ---- | ---- | ---- | 3N | 3 | UNCH | .021 | ---- | ---- | 3 | UNCH | 366B | 10A |
| 525 | ---- | ---- | ---- | 2N | 2 | UNCH | .012 | ---- | ---- | 4 | UNCH | 330B | 7A |
| 530 | ---- | ---- | ---- | 2N | 1 - | 1 | .005 | ---- | ---- | 5 | UNCH | 294B | 6A |
| 540 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 1 | UNCH | 233B | 7A |
| 550 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 4 | UNCH | 187B | 6A |
| 560 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 1 | UNCH | 147B | 6A |
| TOTAL | | | | | | | | | 2 | 29 + | 1 | | |

### WHEAT PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEAT PUT | | | | | | | | | | | | | |
| AUG18 | WHEAT PUT | | | | | | | | | | | | |
| 380 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | 10 | 15 | UNCH | 2 | 2 |
| 400 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | ---- | 60 | UNCH | ---- | ---- |
| 405 | ---- | ---- | ---- | 1N | 1 | UNCH | .001 | ---- | 2 | 51 - | 1 | ---- | ---- |
| 410 | ---- | ---- | ---- | 1N | 1 | UNCH | .003 | ---- | ---- | 67 | UNCH | 2B | 2 |
| 415 | ---- | ---- | ---- | 2N | 1 - | 1 | .006 | ---- | ---- | 126 | UNCH | 5B | 3 |
| 420 | ---- | ---- | ---- | 2N | 1 - | 1 | .009 | ---- | 1 | 41 - | 1 | 5 | 2 |
| 425 | ---- | ---- | ---- | 4N | 2 - | 2 | .018 | ---- | ---- | 102 | UNCH | 11B | 2 |
| 430 | ---- | ---- | ---- | 5N | 3 - | 2 | .026 | ---- | ---- | 436 | UNCH | 23B | 2 |
| 435 | ---- | ---- | ---- | 10N | 5 - | 3 | .041 | ---- | 6 | 78 | UNCH | 31B | 2A |
| 440 | ---- | ---- | ---- | 13N | 10 - | 3 | .061 | ---- | 42 | 324 + | 4 | 40B | 2 |
| 445 | ---- | ---- | ---- | 20N | 13 - | 5 | .082 | ---- | 118 | 349 - | 14 | 52B | 3A |
| 450 | ---- | ---- | ---- | 26N | 20 - | 6 | .111 | ---- | 111 | 769 - | 9 | 63B | 3 |
| 455 | ---- | ---- | ---- | 36N | 26 - | 10 | .145 | ---- | 368 | 484 + | 281 | 80B | 3 |
| 460 | ---- | ---- | ---- | 50N | 36 - | 12 | .185 | ---- | 67 | 1313 + | 65 | 96B | 5 |
| 465 | ---- | ---- | ---- | 65N | 50 - | 15 | .231 | ---- | 240 | 821 + | 136 | 115B | 10 |
| 470 | ---- | ---- | ---- | 84N | 64 - | 20 | .281 | ---- | 1215 | 1680 + | 565 | 137B | 12A |
| 475 | ---- | ---- | ---- | 105N | 83 - | 22 | .335 | ---- | 128 | 2888 + | 96 | 161B | 14A |
| 480 | ---- | ---- | ---- | 130N | 104 - | 24 | .391 | ---- | 171 | 1795 + | 101 | 186B | 17 |
| 485 | ---- | ---- | ---- | 156N | 127 - | 27 | .446 | ---- | 33 | 1102 - | 17 | 214B | 24 |
| 490 | ---- | ---- | ---- | 186N | 154 - | 32 | .501 | ---- | 25 | 1129 + | 17 | 243B | 27 |
| 495 | ---- | ---- | ---- | 220N | 184 - | 34 | .554 | ---- | 51 | 408 + | 50 | 265B | 36A |
| 500 | ---- | ---- | ---- | 253N | 215 - | 36 | .606 | ---- | 28 | 3643 | UNCH | 300B | 45 |
| 505 | ---- | ---- | ---- | 291N | 251 - | 40 | .652 | ---- | 2 | 1080 | UNCH | 333B | 56A |
| 510 | ---- | ---- | ---- | 330N | 286 - | 42 | .697 | ---- | ---- | 1411 | UNCH | 367 | 64 |
| 515 | ---- | ---- | ---- | 370N | 325 - | 43 | .736 | ---- | ---- | 912 | UNCH | 410 | 80A |
| 520 | ---- | ---- | ---- | 411N | 365 - | 44 | .772 | ---- | 1 | 2788 | UNCH | 437B | 92 |
| 525 | ---- | ---- | ---- | 454N | 406 - | 46 | .805 | ---- | ---- | 1212 | UNCH | 475B | 106A |
| 530 | ---- | ---- | ---- | 497N | 450 - | 47 | .834 | ---- | ---- | 1429 | UNCH | 520 | 124A |
| 535 | ---- | ---- | ---- | 544N | 493 - | 51 | .860 | ---- | ---- | 246 | UNCH | 562B | 142A |
| 540 | ---- | ---- | ---- | 591N | 536 - | 53 | .881 | ---- | ---- | 514 | UNCH | 606B | 160A |
| 545 | ---- | ---- | ---- | 637N | 583 - | 54 | .898 | ---- | ---- | 173 | UNCH | 654B | 181A |
| 550 | ---- | ---- | ---- | 684N | 630 - | 54 | .915 | ---- | ---- | 782 | UNCH | 702B | 203A |
| 555 | ---- | ---- | ---- | 732N | 676 - | 54 | .928 | ---- | ---- | 50 | UNCH | 750B | 226A |
| 560 | ---- | ---- | ---- | 781N | 725 - | 54 | .940 | ---- | ---- | 40 | UNCH | 796B | 252A |
| 565 | ---- | ---- | ---- | 827N | 773 - | 54 | .947 | ---- | ---- | 113 | UNCH | 845B | 277A |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS

57
Side 15

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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 570 | ---- | ---- | ---- | 876N | 822 | - 54 | .953 | ---- | ---- | 2025 | UNCH | 894B | 306A |
| TOTAL | | | | | | | | | 2619 | 30456 | + 1273 | | |
| SEP18 | | | | | | | | | | | | | |
| 260 | ---- | ---- | ---- | 1N | 1 | UNCH | ---- | ---- | ---- | 50 | UNCH | 1 | 1 |
| 320 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 2 | UNCH | 2 | 2 |
| 330 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 5 | UNCH | ---- | ---- |
| 350 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 85 | UNCH | 10 | 5 |
| 360 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 1302 | UNCH | 13B | 11A |
| 370 | ---- | ---- | ---- | 1N | 1 | UNCH | .002 | ---- | ---- | 90 | UNCH | 21B | 2 |
| 380 | ---- | ---- | ---- | 1N | 1 | UNCH | .004 | ---- | ---- | 72 | UNCH | 32B | 3 |
| 390 | ---- | ---- | ---- | 1N | 2 | + 1 | .012 | ---- | ---- | 175 | UNCH | 47B | 1 |
| 395 | ---- | ---- | ---- | 1N | 2 | + 1 | .013 | ---- | ---- | 3 | UNCH | 3B | 2 |
| 400 | ---- | ---- | ---- | 2N | 2 | UNCH | .014 | ---- | ---- | 1727 | UNCH | 72B | 1 |
| 405 | ---- | ---- | ---- | 3N | 3 | UNCH | .020 | ---- | ---- | 153 | UNCH | 6B | 2 |
| 410 | ---- | ---- | ---- | 4N | 4 | UNCH | .026 | ---- | 1 | 678 | UNCH | 101B | 2A |
| 415 | ---- | ---- | ---- | 6N | 5 | - 1 | .033 | ---- | ---- | 63 | UNCH | 14 | 3 |
| 420 | ---- | ---- | ---- | 10N | 6 | - 2 | .039 | ---- | 77 | 877 | + 66 | 136B | 3A |
| 425 | ---- | ---- | ---- | 13N | 10 | - 3 | .051 | ---- | ---- | 136 | UNCH | 26 | 3 |
| 430 | ---- | ---- | ---- | 17N | 13 | - 4 | .067 | ---- | 25 | 927 | + 25 | 181B | 4 |
| 435 | ---- | ---- | ---- | 23N | 17 | - 4 | .087 | ---- | ---- | 261 | UNCH | 36B | 6A |
| 440 | ---- | ---- | ---- | 32N | 24 | - 6 | .111 | ---- | 110 | 1357 | - 6 | 231B | 7A |
| 445 | ---- | ---- | ---- | 41N | 32 | - 7 | .137 | ---- | 2 | 341 | UNCH | 70 | 11A |
| 450 | ---- | ---- | ---- | 53N | 42 | - 11 | .169 | ---- | 10 | 5255 | + 2 | 285B | 12 |
| 455 | ---- | ---- | ---- | 66N | 53 | - 13 | .203 | ---- | 51 | 262 | + 27 | 96 | 15A |
| 460 | ---- | ---- | ---- | 83N | 66 | - 15 | .240 | ---- | 770 | 4052 | + 543 | 346B | 20 |
| 465 | ---- | ---- | ---- | 102N | 83 | - 17 | .280 | ---- | 101 | 1017 | + 36 | 142 | 23A |
| 470 | ---- | ---- | ---- | 123N | 101 | - 22 | .321 | ---- | 593 | 6925 | + 87 | 413B | 30A |
| 475 | ---- | ---- | ---- | 146N | 122 | - 24 | .364 | ---- | 1158 | 1534 | + 1119 | 171B | 34 |
| 480 | ---- | ---- | ---- | 173N | 145 | - 26 | .408 | ---- | 736 | 6877 | + 585 | 484B | 42A |
| 485 | ---- | ---- | ---- | 201N | 172 | - 27 | .451 | ---- | ---- | 260 | UNCH | 224B | 51A |
| 490 | ---- | ---- | ---- | 231N | 200 | - 31 | .493 | ---- | 37 | 2232 | - 25 | 557B | 56A |
| 495 | ---- | ---- | ---- | 263N | 230 | - 33 | .533 | ---- | ---- | 240 | UNCH | 283B | 71A |
| 500 | ---- | ---- | ---- | 296N | 261 | - 35 | .571 | ---- | 12 | 7611 | + 10 | 632B | 74 |
| 505 | ---- | ---- | ---- | 332N | 294 | - 36 | .608 | ---- | ---- | 373 | UNCH | 347B | 92A |
| 510 | ---- | ---- | ---- | 367N | 330 | - 37 | .643 | ---- | 9 | 3977 | - 9 | 711B | 101A |
| 515 | ---- | ---- | ---- | 405N | 365 | - 40 | .676 | ---- | ---- | 55 | UNCH | 423B | 127A |
| 520 | ---- | ---- | ---- | 444N | 404 | - 40 | .708 | ---- | ---- | 1981 | UNCH | 794B | 130A |
| 525 | ---- | ---- | ---- | 485N | 443 | - 42 | .735 | ---- | ---- | 280 | UNCH | 510 | 153A |
| 530 | ---- | ---- | ---- | 526N | 484 | - 42 | .762 | ---- | 7 | 1657 | + 4 | 880B | 164A |
| 535 | ---- | ---- | ---- | 571N | 525 | - 44 | .785 | ---- | ---- | 149 | UNCH | 587B | 212A |
| 540 | ---- | ---- | ---- | 614N | 567 | - 45 | .807 | ---- | ---- | 3920 | UNCH | 965B | 204A |
| 545 | ---- | ---- | ---- | 660N | 612 | - 46 | .824 | ---- | ---- | 150 | UNCH | 675B | 240A |
| 550 | ---- | ---- | ---- | 704N | 656 | - 46 | .843 | ---- | ---- | 706 | UNCH | 1054B | 250A |
| 555 | ---- | ---- | ---- | 750N | 702 | - 46 | .859 | ---- | ---- | 72 | UNCH | 766B | 290A |
| 560 | ---- | ---- | ---- | 795N | 746 | - 47 | .874 | ---- | 4 | 102 | - 4 | 1144B | 300A |
| 565 | ---- | ---- | ---- | 842N | 793 | - 47 | .887 | ---- | ---- | 20 | UNCH | 860B | 381A |
| 570 | ---- | ---- | ---- | 890N | 840 | - 50 | .900 | ---- | ---- | 105 | UNCH | 1235B | 353A |
| 575 | ---- | ---- | ---- | 936N | 885 | - 51 | .909 | ---- | ---- | 1 | UNCH | 954B | 445A |
| 580 | ---- | ---- | ---- | 985N | 933 | - 52 | .918 | ---- | ---- | 562 | UNCH | 1327B | 415A |
| 590 | ---- | ---- | ---- | 1082N | 1030 | - 52 | .935 | ---- | ---- | 4 | UNCH | 1422B | 481A |
| 595 | ---- | ---- | ---- | 1130N | 1076 | - 52 | .940 | ---- | ---- | 1 | UNCH | 1146B | 546A |
| 600 | ---- | ---- | ---- | 1177N | 1124 | - 53 | .949 | ---- | ---- | 5130 | UNCH | 1515B | 547A |
| 610 | ---- | ---- | ---- | 1275N | 1222 | - 53 | .959 | ---- | ---- | 1572 | UNCH | 1612B | 620A |
| 620 | ---- | ---- | ---- | 1374N | 1321 | - 53 | .964 | ---- | ---- | 1000 | UNCH | 1706B | 693A |
| 750 | ---- | ---- | ---- | 2670N | 2614 | - 54 | .997 | ---- | ---- | 21 | UNCH | 2963B | 1852A |
| 790 | ---- | ---- | ---- | 3070N | 3014 | - 54 | .999 | ---- | ---- | 1 | UNCH | 3334B | 2240A |
| TOTAL | | | | | | | | | 3703 | 66408 | + 2460 | | |
| OCT18 | | | | | | | | | | | | | |
| 430 | ---- | ---- | ---- | 12N | 11 | - 1 | .050 | ---- | ---- | 2 | UNCH | 20 | 16A |
| 460 | ---- | ---- | ---- | 60N | 52 | - 6 | .175 | ---- | ---- | 32 | UNCH | 61B | 50A |
| 480 | ---- | ---- | ---- | 125N | 112 | + NEW | .306 | ---- | 20 | 20 | + 20 | 130B | 103A |
| 490 | ---- | ---- | ---- | 171N | 154 | - 15 | .378 | ---- | ---- | 5 | UNCH | 176B | 140A |
| TOTAL | | | | | | | | | 20 | 59 | + 20 | | |
| DEC18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 26 | UNCH | 2 | 2 |
| 320 | ---- | ---- | ---- | 1N | 1 | UNCH | .000 | ---- | ---- | 88 | UNCH | 1 | 1 |
| 360 | ---- | ---- | ---- | 1N | 1 | UNCH | .003 | ---- | 100 | 199 | + 34 | 6 | 1 |
| 370 | ---- | ---- | ---- | 1N | 1 | UNCH | .005 | ---- | ---- | 46 | UNCH | 13 | 12 |
| 380 | ---- | ---- | ---- | 3N | 2 | - 1 | .010 | ---- | ---- | 1 | UNCH | 25B | 12A |
| 390 | ---- | ---- | ---- | 4N | 4 | UNCH | .019 | ---- | 1 | 78 | UNCH | 37B | 2 |
| 400 | ---- | ---- | ---- | 7N | 6 | - 1 | .028 | ---- | 129 | 330 | + 23 | 56B | 3 |
| 410 | ---- | ---- | ---- | 14N | 12 | - 2 | .044 | ---- | 29 | 324 | + 29 | 74B | 5 |
| 420 | ---- | ---- | ---- | 22N | 20 | - 2 | .066 | ---- | ---- | 376 | UNCH | 106B | 6 |
| 430 | ---- | ---- | ---- | 34N | 31 | - 3 | .096 | ---- | ---- | 386 | UNCH | 142B | 10A |
| 440 | ---- | ---- | ---- | 51N | 45 | - 4 | .132 | ---- | 20 | 1158 | - 10 | 182B | 13 |
| 450 | ---- | ---- | ---- | 73N | 66 | - 5 | .176 | ---- | 3 | 1717 | + 1 | 227B | 20 |
| 460 | ---- | ---- | ---- | 102N | 93 | - 7 | .225 | ---- | ---- | 1017 | UNCH | 281B | 26A |
| 470 | ---- | ---- | ---- | 137N | 125 | - 12 | .279 | ---- | 93 | 1872 | - 22 | 337B | 36 |
| 480 | ---- | ---- | ---- | 180N | 164 | - 14 | .335 | ---- | ---- | 2961 | UNCH | 400B | 51A |
| 490 | ---- | ---- | ---- | 227N | 211 | - 16 | .393 | ---- | 25 | 3536 | + 10 | 465B | 65A |
| 500 | ---- | ---- | ---- | 283N | 263 | - 20 | .450 | ---- | 162 | 6012 | - 97 | 535B | 84A |
| 510 | ---- | ---- | ---- | 343N | 322 | - 21 | .505 | ---- | 2 | 1411 | + 2 | 607B | 106A |
| 520 | ---- | ---- | ---- | 407N | 385 | - 22 | .557 | ---- | ---- | 3918 | UNCH | 683B | 133A |
| 530 | ---- | ---- | ---- | 477N | 455 | - 22 | .604 | ---- | ---- | 4094 | UNCH | 761B | 164A |
| 540 | ---- | ---- | ---- | 552N | 527 | - 23 | .648 | ---- | 3 | 2218 | UNCH | 842B | 200A |
| 550 | ---- | ---- | ---- | 630N | 604 | - 24 | .688 | ---- | ---- | 1188 | UNCH | 925B | 237A |
| 560 | ---- | ---- | ---- | 711N | 684 | - 25 | .723 | ---- | ---- | 1388 | UNCH | 1012B | 283A |
| 570 | ---- | ---- | ---- | 794N | 766 | - 26 | .755 | ---- | ---- | 1686 | UNCH | 1097B | 331A |
| 580 | ---- | ---- | ---- | 880N | 852 | - 26 | .784 | ---- | ---- | 705 | UNCH | 1186B | 383A |
| 590 | ---- | ---- | ---- | 966N | 937 | - 27 | .809 | ---- | ---- | 1 | UNCH | 1276B | 440A |
| 600 | ---- | ---- | ---- | 1055N | 1026 | - 27 | .831 | ---- | 15 | 895 | - 15 | 1367B | 501A |
| 620 | ---- | ---- | ---- | 1240N | 1210 | - 30 | .868 | ---- | ---- | 15 | UNCH | 1553B | 631A |
| 630 | ---- | ---- | ---- | 1332N | 1302 | - 30 | .883 | ---- | ---- | 10 | UNCH | 1646B | 701A |
| 640 | ---- | ---- | ---- | 1426N | 1395 | - 31 | .896 | ---- | ---- | 19 | UNCH | 1742B | 772A |
| 650 | ---- | ---- | ---- | 1522N | 1491 | - 31 | .908 | ---- | ---- | 450 | UNCH | 1836B | 846A |
| 670 | ---- | ---- | ---- | 1713N | 1682 | - 31 | .926 | ---- | ---- | 3 | UNCH | 2030B | 1004A |
| 700 | ---- | ---- | ---- | 2004N | 1973 | - 31 | .950 | ---- | ---- | 400 | UNCH | 2297B | 1252A |
| 750 | ---- | ---- | ---- | 2496N | 2464 | - 32 | .969 | ---- | ---- | 25 | UNCH | 2790B | 1742A |
| TOTAL | | | | | | | | | 582 | 38553 | - 45 | | |
| MAR19 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | 6N | 10 | + 2 | .031 | ---- | ---- | 14 | UNCH | 66 | 3 |
| 410 | ---- | ---- | ---- | 13N | 14 | + 1 | .045 | ---- | ---- | 35 | UNCH | 11 | 11 |
| 430 | ---- | ---- | ---- | 32N | 32 | UNCH | .086 | ---- | ---- | 2 | UNCH | 41B | 10 |
| 440 | ---- | ---- | ---- | 46N | 45 | - 1 | .115 | ---- | ---- | 102 | UNCH | 67 | 20A |
| 450 | ---- | ---- | ---- | 66N | 63 | - 3 | .148 | ---- | ---- | 2 | UNCH | 80B | 21 |
| 480 | ---- | ---- | ---- | 154N | 145 | - 7 | .276 | ---- | ---- | 21 | UNCH | 181B | 55A |
| 490 | ---- | ---- | ---- | 194N | 184 | - 10 | .324 | ---- | ---- | 1552 | UNCH | 225B | 60A |
| 500 | ---- | ---- | ---- | 240N | 230 | - 10 | .374 | ---- | 15 | 3119 | + 15 | 276B | 84 |
| 510 | ---- | ---- | ---- | 291N | 281 | - 10 | .423 | ---- | ---- | 20 | UNCH | 333B | 94A |
| 520 | ---- | ---- | ---- | 345N | 335 | - 10 | .471 | ---- | ---- | 1485 | UNCH | 376B | 117A |
| 530 | ---- | ---- | ---- | 405N | 395 | - 10 | .517 | ---- | ---- | 190 | UNCH | 412B | 143A |
| 540 | ---- | ---- | ---- | 471N | 460 | - 11 | .561 | ---- | ---- | 702 | UNCH | 441B | 175A |
| 550 | ---- | ---- | ---- | 540N | 526 | - 12 | .602 | ---- | ---- | 31 | UNCH | 492B | 212A |
| 560 | ---- | ---- | ---- | 611N | 597 | - 12 | .641 | ---- | ---- | 140 | UNCH | 561B | 250A |
| 570 | ---- | ---- | ---- | 685N | 673 | - 12 | .677 | ---- | ---- | 116 | UNCH | 633B | 295A |
| 580 | ---- | ---- | ---- | 764N | 751 | - 13 | .710 | ---- | ---- | 108 | UNCH | 707B | 342A |
| 590 | ---- | ---- | ---- | 844N | 832 | - 12 | .740 | ---- | ---- | 35 | UNCH | 786B | 394A |
| 620 | ---- | ---- | ---- | 1100N | 1085 | - 13 | .813 | ---- | ---- | 1000 | UNCH | 1033B | 610A |
| TOTAL | | | | | | | | | 15 | 8674 | + 15 | | |
| MAY19 | | | | | | | | | | | | | |
| 450 | ---- | ---- | ---- | 67N | 66 | - 1 | .139 | ---- | ---- | 2 | UNCH | 66 | 21 |
| 460 | ---- | ---- | ---- | 90N | 87 | - 1 | .172 | ---- | ---- | 10 | UNCH | 40 | 36 |
| 500 | ---- | ---- | ---- | 225N | 221 | - 4 | .332 | ---- | ---- | 12 | UNCH | 145B | 210A |
| 520 | ---- | ---- | ---- | 325N | 317 | - 6 | .419 | ---- | ---- | 1 | UNCH | 220B | ---- |
| 530 | ---- | ---- | ---- | 382N | 373 | - 7 | .461 | ---- | ---- | 800 | UNCH | 264B | ---- |
| 540 | ---- | ---- | ---- | 442N | 433 | - 7 | .501 | ---- | ---- | 51 | UNCH | 312B | ---- |
| 550 | ---- | ---- | ---- | 504N | 495 | - 7 | .540 | ---- | ---- | 9 | UNCH | 363B | 324 |
| 560 | ---- | ---- | ---- | 571N | 562 | - 7 | .578 | ---- | ---- | 2 | UNCH | 414B | 254 |
| 590 | ---- | ---- | ---- | 786N | 777 | - 7 | .677 | ---- | ---- | 6 | UNCH | ---- | ---- |
| 600 | ---- | ---- | ---- | 864N | 854 | - 10 | .706 | ---- | ---- | 18 | UNCH | 720 | 440 |
| 620 | ---- | ---- | ---- | 1025N | 1015 | - 10 | .758 | ---- | ---- | 5 | UNCH | 700 | 700 |
| TOTAL | | | | | | | | | 0 | 916 | | | |
| JUL19 | | | | | | | | | | | | | |
| 430 | ---- | ---- | ---- | 44N | 43 | - 1 | .091 | ---- | ---- | 5 | UNCH | 40 | 40 |
| 460 | ---- | ---- | ---- | 101N | 97 | - 2 | .173 | ---- | ---- | 14 | UNCH | 80 | 80 |
| 480 | ---- | ---- | ---- | 157N | 155 | - 2 | .243 | ---- | ---- | 804 | UNCH | ---- | ---- |
| 490 | ---- | ---- | ---- | 194N | 191 | - 3 | .280 | ---- | ---- | 1 | UNCH | ---- | ---- |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | ---- | ---- | ---- | 234N | 231 - | 3 | .319 | ---- | ---- | 10 | UNCH | 110 | 90A |
| 520 | ---- | ---- | ---- | 331N | 325 - | 4 | .398 | ---- | ---- | 32 | UNCH | 230 | 144 |
| 530 | ---- | ---- | ---- | 384N | 380 - | 4 | .437 | ---- | ---- | 815 | UNCH | 230B | 190 |
| 540 | ---- | ---- | ---- | 442N | 436 - | 4 | .475 | ---- | ---- | 41 | UNCH | 434 | 210 |
| 550 | ---- | ---- | ---- | 503N | 496 - | 5 | .511 | ---- | ---- | 145 | UNCH | 270B | 230 |
| 560 | ---- | ---- | ---- | 567N | 562 - | 5 | .546 | ---- | ---- | 58 | UNCH | 560 | 310 |
| 570 | ---- | ---- | ---- | 635N | 630 - | 5 | .579 | ---- | ---- | 29 | UNCH | ---- | ---- |
| 580 | ---- | ---- | ---- | 705N | 700 - | 5 | .610 | ---- | ---- | 1 | UNCH | ---- | ---- |
| 590 | ---- | ---- | ---- | 777N | 772 - | 5 | .640 | ---- | ---- | 1188 | UNCH | 760 | 760 |
| 600 | ---- | ---- | ---- | 854N | 846 - | 6 | .668 | ---- | ---- | 3 | UNCH | 514 | 513A |
| TOTAL | | | | | | | | | | 0 | 3146 | | |

### WHEAT WEEKLY PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| W WK1 PUT | | | | | | | | | | | |
| JUL18 | W WK1 PUT | | | | | | | | | | |
| 460 | ---- | ---- | ---- | 15N | 7 - | 6 .075 | ---- | ---- | 5 UNCH | 26B | 7A |
| 500 | ---- | ---- | ---- | 210N | 166 + | NEW .677 | ---- | 3 | 1 + 1 | 224B | 72A |
| 505 | ---- | ---- | ---- | 251N | 204 + | NEW .740 | ---- | 10 | 10 + 10 | 265B | 52A |
| 510 | ---- | ---- | ---- | 293N | 245 + | NEW .796 | ---- | 13 | 13 + 13 | 295B | 54A |
| TOTAL | | | | | | | | 26 | 29 + 24 | | |
| W WK2 PUT | | | | | | | | | | | |
| JUL18 | W WK2 PUT | | | | | | | | | | |
| 460 | ---- | ---- | ---- | 30N | 17 - | 11 .126 | ---- | ---- | 5 UNCH | 31B | 15A |
| 500 | ---- | ---- | ---- | 227N | 187 - | 40 .638 | ---- | ---- | 1 UNCH | 243B | 117A |
| TOTAL | | | | | | | | 0 | 6 | | |
| W WK5 PUT | | | | | | | | | | | |
| JUN18 | W WK5 PUT | | | | | | | | | | |
| 485 | ---- | ---- | ---- | 84N | 51 - | 33 .394 | ---- | 1 | 5 + 1 | 102B | 5A |
| 490 | ---- | ---- | ---- | 115N | 75 + | NEW .536 | ---- | 2 | 1 + 1 | 130B | 6A |
| TOTAL | | | | | | | | 3 | 6 + 2 | | |

### CONSECUTIVE WHEAT CSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEAT NRBY C | | | | | | | | | | | |
| SEP18 | WHEAT NRBY C | | | | | | | | | | |
| -18 | ---- | ---- | ---- | 33N | 50 + | 15 .625 | ---- | ---- | 450 UNCH | 35B | 26 |
| -10 | ---- | ---- | ---- | 12N | 17 + | 5 .296 | ---- | ---- | 25 UNCH | ---- | ---- |
| 0 | ---- | ---- | ---- | 5N | 4 - | 1 .091 | ---- | ---- | 25 UNCH | 2 | 2 |
| TOTAL | | | | | | | | 0 | 500 | | |

### CONSECUTIVE WHEAT CSO PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEAT NRBY P | | | | | | | | | | | |
| SEP18 | WHEAT NRBY P | | | | | | | | | | |
| -21 | ---- | ---- | ---- | 15N | 11 - | 4 .235 | ---- | ---- | 20 UNCH | 27 | 27 |
| -20 | ---- | ---- | ---- | 20N | 13 - | 5 .275 | ---- | ---- | 65 UNCH | 43 | 37 |
| -19 | ---- | ---- | ---- | 23N | 17 - | 4 .329 | ---- | ---- | 40 UNCH | 52 | 42 |
| -18 | ---- | ---- | ---- | 27N | 22 - | 5 .374 | ---- | 125 | 575 - 125 | 40 | 22 |
| TOTAL | | | | | | | | 125 | 700 - 125 | | |

### CORN-WHEAT ICSO CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WC ICSO CALL | | | | | | | | | | | |
| DEC18 | WC ICSO CALL | | | | | | | | | | |
| 150 | ---- | ---- | ---- | 167N | 181 + | 12 .385 | ---- | ---- | 50 UNCH | ---- | ---- |
| TOTAL | | | | | | | | 0 | 50 | | |

### CORN-WHEAT ICSO PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WC ICSO PUT | | | | | | | | | | | |
| DEC18 | WC ICSO PUT | | | | | | | | | | |
| 90 | ---- | ---- | ---- | 61N | 54 - | 5 .201 | ---- | ---- | 100 UNCH | ---- | ---- |
| 130 | ---- | ---- | ---- | 257N | 242 - | 15 .496 | ---- | ---- | 100 UNCH | ---- | ---- |
| 150 | ---- | ---- | ---- | 394N | 374 - | 20 .614 | ---- | ---- | 50 UNCH | ---- | ---- |
| TOTAL | | | | | | | | 0 | 250 | | |

### ADDITIONAL WHEAT, GRAINS & OIL SEED OPTIONS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| K7C CALL OPT | | | | | | | | | | | |
| SEP18 | K7C CALL OPT | | | | | | | | | | |
| -20 | ---- | ---- | ---- | 13N | 15 + | 2 .329 | ---- | ---- | 100 UNCH | 30B | 30 |
| -15 | ---- | ---- | ---- | 5N | 6 + | 1 .163 | ---- | ---- | 700 UNCH | 44 | 44 |
| TOTAL | | | | | | | | 0 | 800 | | |
| K7C PUT OPT | | | | | | | | | | | |
| SEP18 | K7C PUT OPT | | | | | | | | | | |
| -25 | ---- | ---- | ---- | 22N | 17 - | 3 .395 | ---- | ---- | 3436 UNCH | 70 | 20 |
| TOTAL | | | | | | | | 0 | 3436 | | |
| DEC18 | K7C PUT OPT | | | | | | | | | | |
| -20 | 30 | #30 | *30 | 30 | 30 + | 30 .427 | ---- | 100 | 100 + 100 | 30 | 30 |
| TOTAL | | | | | | | | 100 | 100 + 100 | | |
| KC HRW CALL | | | | | | | | | | | |
| AUG18 | KC HRW CALL | | | | | | | | | | |
| 480 | ---- | ---- | ---- | 126N | 137 + | 11 .495 | ---- | ---- | 12 UNCH | 1004B | 122A |
| 485 | ---- | ---- | ---- | 110N | 117 + | 7 .442 | ---- | 1 | 3 + 1 | 957B | 104A |
| 490 | ---- | ---- | ---- | 93N | 101 + | 6 .392 | ---- | 31 | 32 + 31 | 913B | 90A |
| 500 | ---- | ---- | ---- | 67N | 73 + | 4 .304 | ---- | 1 | 37 - 1 | 914B | 60 |
| 505 | ---- | ---- | ---- | 57N | 62 + | 3 .265 | ---- | 30 | 60 + 10 | 871B | 54A |
| 510 | ---- | ---- | ---- | 50N | 53 + | 3 .232 | ---- | ---- | 24 UNCH | 826B | 45A |
| 515 | ---- | ---- | ---- | 42N | 45 + | 3 .203 | ---- | 12 | 11 + 11 | 785B | 40A |
| 520 | ---- | ---- | ---- | 35N | 37 + | 2 .174 | ---- | 22 | 24 + 19 | 744B | 33A |
| 525 | ---- | ---- | ---- | 30N | 32 + | 2 .149 | ---- | 56 | 205 + 55 | 704B | 27A |
| 530 | ---- | ---- | ---- | 25N | 27 + | 2 .132 | ---- | 11 | 22 + 11 | 665B | 24A |
| 535 | ---- | ---- | ---- | 22N | 23 + | 1 .112 | ---- | ---- | 11 UNCH | 627B | 23A |
| 540 | ---- | ---- | ---- | 17N | 20 + | 1 .096 | ---- | ---- | 23 UNCH | 592B | 21A |
| 545 | ---- | ---- | ---- | 15N | 16 + | 1 .084 | ---- | ---- | 1 UNCH | 556B | 17A |
| 550 | ---- | ---- | ---- | 13N | 14 + | 1 .072 | ---- | 1 | 144 UNCH | 523B | 15A |
| 560 | ---- | ---- | ---- | 10N | 11 + | 1 .055 | ---- | ---- | 280 UNCH | 461B | 13A |
| 565 | ---- | ---- | ---- | 7N | 10 + | 1 .048 | ---- | ---- | 301 UNCH | 433B | 12A |
| 570 | ---- | ---- | ---- | 6N | 7 + | 1 .042 | ---- | ---- | 11 UNCH | 407B | 11A |
| 575 | ---- | ---- | ---- | 5N | 6 + | 1 .037 | ---- | ---- | 99 UNCH | 383B | 10A |
| 580 | ---- | ---- | ---- | 5N | 5 | .031 | ---- | ---- | 138 UNCH | 361B | 10A |
| 585 | ---- | ---- | ---- | 4N | 5 + | 1 .030 | ---- | ---- | 13 UNCH | 337B | 7A |
| 590 | ---- | ---- | ---- | 4N | 4 | .024 | ---- | ---- | 12 UNCH | 325B | 7A |
| 595 | ---- | ---- | ---- | 3N | 3 | .019 | ---- | ---- | 11 UNCH | 307B | 6A |
| 600 | ---- | ---- | ---- | 3N | 3 | .018 | ---- | ---- | 19 UNCH | 297B | 10 |
| 610 | ---- | ---- | ---- | 2N | 2 | .012 | ---- | ---- | 14 UNCH | 261B | 10A |
| 620 | ---- | ---- | ---- | 2N | 2 | .012 | ---- | ---- | 9 UNCH | 227B | 3A |
| 625 | ---- | ---- | ---- | 2N | 2 | .011 | ---- | 10 | 10 UNCH | 213B | 2 |
| 630 | ---- | ---- | ---- | 1N | 2 + | 1 .011 | ---- | ---- | 6 UNCH | 200B | 6A |
| 635 | ---- | ---- | ---- | 1N | 1 | .006 | ---- | ---- | 1 UNCH | 186B | 4A |
| 640 | ---- | ---- | ---- | 1N | 1 | .005 | ---- | ---- | 11 UNCH | 174B | 2A |
| 645 | ---- | ---- | ---- | 1N | 1 | .004 | ---- | ---- | 1 UNCH | 163B | 3A |
| 650 | ---- | ---- | ---- | 1N | 1 | .003 | ---- | ---- | 22 UNCH | 153B | 3A |
| 655 | ---- | ---- | ---- | 1N | 1 | .002 | ---- | ---- | 10 UNCH | 143B | 3A |
| 660 | ---- | ---- | ---- | 1N | 1 | .002 | ---- | ---- | 20 UNCH | 135B | 3A |
| 665 | ---- | ---- | ---- | 1N | 1 | .001 | ---- | ---- | 3 UNCH | 125B | 3A |
| 670 | ---- | ---- | ---- | 1N | 1 | .001 | ---- | ---- | 25 UNCH | 117B | 2A |
| 675 | ---- | ---- | ---- | 1N | 1 | .001 | ---- | ---- | 13 UNCH | 110B | 2A |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS

57
Side 17

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 680 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 1 | UNCH | 102B | 2A |
| 690 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 12 | UNCH | 90B | 2A |
| 695 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 1 | UNCH | 80B | 2A |
| 700 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 24 | UNCH | 73B | 6 |
| 720 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 1 | UNCH | 53B | 3A |
| TOTAL | | | | | | | | | 175 | 1677 + | 137 | | |
| SEP18 | | | | | | | | | | | | | |
| 460 | ---- | ---- | ---- | 265N | 282 + | 15 | .678 | ---- | ---- | 25 | UNCH | 1320B | 270A |
| 470 | ---- | ---- | ---- | 213N | 226 + | 13 | .590 | ---- | ---- | 101 | UNCH | 1225B | 204A |
| 480 | ---- | ---- | ---- | 170N | 182 + | 12 | .505 | ---- | 9 | 166 + | 9 | 1134B | 164A |
| 485 | ---- | ---- | ---- | 152N | 162 + | 10 | .464 | ---- | ---- | 2 | UNCH | 906B | 145A |
| 490 | ---- | ---- | ---- | 134N | 144 + | 10 | .425 | ---- | 17 | 142 + | 16 | 1045B | 131A |
| 495 | ---- | ---- | ---- | 120N | 130 + | 10 | .389 | ---- | ---- | 20 | UNCH | 821B | 116A |
| 500 | ---- | ---- | ---- | 105N | 115 + | 10 | .355 | ---- | 15 | 1498 + | 13 | 960B | 103A |
| 505 | ---- | ---- | ---- | 93N | 102 + | 7 | .322 | ---- | 93 | 199 + | 48 | 737B | 92A |
| 510 | ---- | ---- | ---- | 83N | 91 + | 6 | .293 | ---- | 24 | 449 + | 17 | 876B | 80 |
| 515 | ---- | ---- | ---- | 73N | 81 + | 6 | .265 | ---- | ---- | 13 | UNCH | 661B | 73A |
| 520 | ---- | ---- | ---- | 64N | 72 + | 6 | .240 | ---- | 10 | 283 + | 7 | 797B | 64A |
| 525 | ---- | ---- | ---- | 56N | 63 + | 5 | .216 | ---- | 5 | 17 + | 5 | 590B | 56A |
| 530 | ---- | ---- | ---- | 51N | 55 + | 4 | .194 | ---- | 292 | 444 + | 175 | 723B | 51 |
| 535 | ---- | ---- | ---- | 44N | 50 + | 4 | .175 | ---- | 6 | 7 + | 4 | 523B | 46A |
| 540 | ---- | ---- | ---- | 40N | 44 + | 4 | .159 | ---- | 3 | 239 - | 1 | 654B | 41A |
| 545 | ---- | ---- | ---- | 35N | 40 + | 3 | .143 | ---- | ---- | 4 | UNCH | 462B | 35A |
| 550 | ---- | ---- | ---- | 32N | 34 + | 2 | .127 | ---- | 22 | 530 - | 1 | 590B | 32 |
| 555 | ---- | ---- | ---- | 27N | 31 + | 2 | .115 | ---- | ---- | 184 | UNCH | 406B | 30A |
| 560 | ---- | ---- | ---- | 25N | 26 + | 1 | .102 | ---- | 1 | 517 - | 1 | 530B | 26A |
| 565 | ---- | ---- | ---- | 22N | 24 + | 2 | .093 | ---- | ---- | 6 | UNCH | 357B | 24A |
| 570 | ---- | ---- | ---- | 21N | 22 + | 1 | .084 | ---- | 11 | 336 | UNCH | 474B | 22A |
| 575 | ---- | ---- | ---- | 17N | 20 + | 1 | .076 | ---- | ---- | 140 | UNCH | 322B | 20A |
| 580 | ---- | ---- | ---- | 15N | 16 + | 1 | .067 | ---- | 12 | 398 | UNCH | 424B | 17A |
| 585 | ---- | ---- | ---- | 14N | 15 + | 1 | .062 | ---- | ---- | 21 | UNCH | 284B | 16A |
| 590 | ---- | ---- | ---- | 13N | 13 | | .054 | ---- | 2 | 250 - | 2 | 380B | 14A |
| 600 | ---- | ---- | ---- | 11N | 11 | | .044 | ---- | 200 | 2310 - | 64 | 351B | 12A |
| 610 | ---- | ---- | ---- | 7N | 7 | | .035 | ---- | ---- | 310 | UNCH | 314B | 7 |
| 615 | ---- | ---- | ---- | 6N | 7 + | 1 | .034 | ---- | ---- | 1 | UNCH | 193 | 10A |
| 620 | ---- | ---- | ---- | 6N | 6 | | .030 | ---- | 6 | 207 | UNCH | 281B | 10 |
| 625 | ---- | ---- | ---- | 5N | 5 | | .025 | ---- | ---- | 1 | UNCH | 167B | 7A |
| 630 | ---- | ---- | ---- | 4N | 5 + | 1 | .025 | ---- | ---- | 58 | UNCH | 247B | 7A |
| 640 | ---- | ---- | ---- | 4N | 4 | | .020 | ---- | ---- | 36 | UNCH | 222B | 5 |
| 650 | ---- | ---- | ---- | 3N | 3 | | .015 | ---- | ---- | 698 | UNCH | 194B | 7A |
| 660 | ---- | ---- | ---- | 2N | 2 | | .010 | ---- | ---- | 46 | UNCH | 172B | 6A |
| 665 | ---- | ---- | ---- | 2N | 2 | | .010 | ---- | ---- | 7 | UNCH | 96B | 6A |
| 670 | ---- | ---- | ---- | 2N | 2 | | .010 | ---- | ---- | 74 | UNCH | 153B | 6A |
| 680 | ---- | ---- | ---- | 2N | 2 | | .010 | ---- | ---- | 25 | UNCH | 135B | 5A |
| 690 | ---- | ---- | ---- | 1N | 1 | | .004 | ---- | ---- | 18 | UNCH | 121B | 4A |
| 700 | ---- | ---- | ---- | 1N | 1 | | .003 | ---- | ---- | 101 | UNCH | 107B | 4A |
| 710 | ---- | ---- | ---- | 1N | 1 | | .002 | ---- | ---- | 11 | UNCH | 96B | 2 |
| 720 | ---- | ---- | ---- | 1N | 1 | | .001 | ---- | ---- | 70 | UNCH | 86B | 3A |
| 730 | ---- | ---- | ---- | 1N | 1 | | .001 | ---- | ---- | 61 | UNCH | 76B | 6A |
| 740 | ---- | ---- | ---- | 1N | 1 | | .001 | ---- | ---- | 21 | UNCH | 70B | 6A |
| 750 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 4 | UNCH | 64 | 5A |
| 770 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 11 | UNCH | 50B | 13A |
| 780 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 11 | UNCH | 44B | 13A |
| 790 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 17 | UNCH | 35 | 5 |
| 800 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 26 | UNCH | 23B | 11 |
| 810 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 11 | UNCH | 36 | 11A |
| 870 | ---- | ---- | ---- | 1N | 1 | | .000 | ---- | ---- | 3 | UNCH | 43 | 3A |
| TOTAL | | | | | | | | | 728 | 10129 + | 225 | | |
| DEC18 | | | | | | | | | | | | | |
| 490 | ---- | ---- | ---- | 334N | 341 + | 5 | .592 | ---- | ---- | 5 | UNCH | 1270B | 311A |
| 500 | ---- | ---- | ---- | 292N | 296 + | 4 | .537 | ---- | 7 | 195 - | 5 | 1183B | 277A |
| 510 | ---- | ---- | ---- | 254N | 257 + | 3 | .484 | ---- | 20 | 106 + | 15 | 1100B | 250A |
| 520 | ---- | ---- | ---- | 221N | 223 + | 2 | .434 | ---- | 2 | 124 + | 2 | 1020B | 220A |
| 530 | ---- | ---- | ---- | 191N | 193 + | 2 | .388 | ---- | 20 | 2303 + | 9 | 942B | 194A |
| 540 | ---- | ---- | ---- | 165N | 166 + | 1 | .345 | ---- | ---- | 26 | UNCH | 870B | 166A |
| 550 | ---- | ---- | ---- | 143N | 144 + | 1 | .307 | ---- | 44 | 1150 | UNCH | 801B | 140 |
| 560 | ---- | ---- | ---- | 123N | 124 + | 1 | .272 | ---- | ---- | 1124 | UNCH | 735B | 126A |
| 570 | ---- | ---- | ---- | 106N | 107 + | 1 | .241 | ---- | ---- | 120 | UNCH | 675B | 110A |
| 580 | ---- | ---- | ---- | 92N | 93 + | 1 | .212 | ---- | ---- | 391 | UNCH | 617B | 96A |
| 590 | ---- | ---- | ---- | 81N | 81 | | .188 | ---- | ---- | 222 | UNCH | 565B | 85A |
| 600 | ---- | ---- | ---- | 70N | 71 + | 1 | .167 | ---- | 2 | 1436 + | 2 | 516B | 67 |
| 610 | ---- | ---- | ---- | 61N | 61 | | .146 | ---- | ---- | 155 | UNCH | 472B | 63A |
| 620 | ---- | ---- | ---- | 52N | 53 + | 1 | .130 | ---- | 7 | 51 + | 3 | 431B | 52 |
| 630 | ---- | ---- | ---- | 45N | 45 | | .114 | ---- | ---- | 309 | UNCH | 392B | 51A |
| 640 | ---- | ---- | ---- | 40N | 37 - | 1 | .098 | ---- | ---- | 113 | UNCH | 355B | 40 |
| 650 | ---- | ---- | ---- | 34N | 33 - | 1 | .086 | ---- | 5 | 585 - | 5 | 323B | 36 |
| 660 | 34 | #34 | *34 | 34 | 27 - | 1 | .075 | ---- | 19 | 50 + | 28 | 294B | 34 |
| 670 | ---- | ---- | ---- | 25N | 23 - | 2 | .063 | ---- | 2 | 79 - | 2 | 266B | 30 |
| 680 | ---- | ---- | ---- | 22N | 21 - | 1 | .057 | ---- | ---- | 414 | UNCH | 246B | 42A |
| 690 | ---- | ---- | ---- | 20N | 16 - | 2 | .048 | ---- | ---- | 20 | UNCH | 224B | 30 |
| 700 | ---- | ---- | ---- | 15N | 14 - | 1 | .042 | ---- | ---- | 1323 | UNCH | 206B | 20 |
| 710 | ---- | ---- | ---- | 13N | 13 | | .038 | ---- | ---- | 2 | UNCH | 185B | 20 |
| 720 | ---- | ---- | ---- | 12N | 11 - | 1 | .032 | ---- | ---- | 71 | UNCH | 160 | 30 |
| 730 | ---- | ---- | ---- | 10N | 10 | | .028 | ---- | ---- | 4 | UNCH | 152B | 34A |
| 750 | ---- | ---- | ---- | 6N | 6 | | .021 | ---- | ---- | 4 | UNCH | 123B | 30A |
| 760 | ---- | ---- | ---- | 5N | 5 | | .018 | ---- | ---- | 1 | UNCH | 111B | 27A |
| 770 | ---- | ---- | ---- | 4N | 5 + | 1 | .018 | ---- | ---- | 30 | UNCH | 100B | 26A |
| 800 | ---- | ---- | ---- | 3N | 3 | | .011 | ---- | ---- | 10 | UNCH | 72 | 16 |
| 820 | ---- | ---- | ---- | 2N | 3 + | 1 | .011 | ---- | ---- | 30 | UNCH | 62 | 11 |
| TOTAL | | | | | | | | | 128 | 10453 + | 47 | | |
| MAR19 | | | | | | | | | | | | | |
| 520 | ---- | ---- | ---- | 326N | 332 + | 4 | .530 | ---- | 3 | 3 + | 3 | 1127B | 360 |
| 540 | ---- | ---- | ---- | 254N | 257 + | 3 | .441 | ---- | ---- | 6 | UNCH | 974B | 270 |
| 550 | ---- | ---- | ---- | 223N | 226 + | 3 | .400 | ---- | ---- | 53 | UNCH | 903B | 252A |
| 560 | ---- | ---- | ---- | 195N | 197 + | 2 | .361 | ---- | ---- | 18 | UNCH | 835B | 225A |
| 570 | ---- | ---- | ---- | 172N | 174 + | 2 | .326 | ---- | 1 | 8 + | 1 | 772B | 190A |
| 580 | ---- | ---- | ---- | 151N | 152 + | 1 | .292 | ---- | ---- | 13 | UNCH | 712B | 181A |
| 590 | ---- | ---- | ---- | 132N | 133 + | 1 | .262 | ---- | ---- | 12 | UNCH | 655B | 161A |
| 600 | ---- | ---- | ---- | 115N | 116 + | 1 | .235 | ---- | 8 | 31 + | 8 | 603B | 144A |
| 620 | ---- | ---- | ---- | 91N | 91 | | .189 | ---- | ---- | 9 | UNCH | 510B | 142A |
| 630 | ---- | ---- | ---- | 81N | 80 - | 1 | .169 | ---- | ---- | 8 | UNCH | 467B | 127A |
| 640 | ---- | ---- | ---- | 72N | 71 - | 1 | .152 | ---- | ---- | 10 | UNCH | 430B | 104 |
| 650 | ---- | ---- | ---- | 64N | 63 - | 1 | .137 | ---- | 30 | 73 - | 8 | 393B | 70 |
| 660 | ---- | ---- | ---- | 57N | 55 - | 2 | .123 | ---- | ---- | 144 | UNCH | 361B | 60 |
| 670 | ---- | ---- | ---- | 52N | 50 - | 2 | .110 | ---- | 18 | 33 + | 18 | 330B | 52 |
| 680 | ---- | ---- | ---- | 46N | 44 - | 2 | .100 | ---- | ---- | 14 | UNCH | 302B | 92A |
| 690 | ---- | ---- | ---- | 42N | 41 - | 1 | .092 | ---- | ---- | 17 | UNCH | 275B | 72A |
| 700 | ---- | ---- | ---- | 37N | 35 - | 2 | .082 | ---- | ---- | 10 | UNCH | 252B | 70 |
| 720 | ---- | ---- | ---- | 32N | 30 - | 2 | .068 | ---- | ---- | 12 | UNCH | 210B | 63A |
| 750 | ---- | ---- | ---- | 24N | 22 - | 2 | .051 | ---- | ---- | 3 | UNCH | 156B | 41A |
| TOTAL | | | | | | | | | 60 | 477 + | 22 | | |
| MAY19 | | | | | | | | | | | | | |
| 560 | ---- | ---- | ---- | 276N | 277 + | 1 | .428 | ---- | ---- | 4 | UNCH | | |
| 570 | ---- | ---- | ---- | 246N | 247 + | 1 | .392 | ---- | ---- | 27 | UNCH | 420 | 420 |
| 600 | ---- | ---- | ---- | 175N | 175 | | .299 | ---- | 8 | 13 + | 8 | 490 | 185 |
| 630 | ---- | ---- | ---- | 125N | 125 | | .226 | ---- | ---- | 26 | UNCH | | |
| 640 | ---- | ---- | ---- | 112N | 112 | | .205 | ---- | ---- | 3 | UNCH | | |
| 650 | ---- | ---- | ---- | 101N | 101 | | .187 | ---- | ---- | 7 | UNCH | | |
| 660 | ---- | ---- | ---- | 91N | 91 | | .170 | ---- | ---- | 17 | UNCH | | 93A |
| 670 | ---- | ---- | ---- | 81N | 82 + | 1 | .156 | ---- | ---- | 51 | UNCH | 290 | 144 |
| 680 | ---- | ---- | ---- | 73N | 73 | | .141 | ---- | ---- | 20 | UNCH | | |
| 690 | ---- | ---- | ---- | 65N | 66 + | 1 | .130 | ---- | ---- | 6 | UNCH | 120 | 120 |
| 700 | ---- | ---- | ---- | 57N | 60 + | 1 | .117 | ---- | ---- | 12 | UNCH | | 151A |
| TOTAL | | | | | | | | | 8 | 186 + | 8 | | |
| JUL19 | | | | | | | | | | | | | |
| 550 | ---- | ---- | ---- | 390N | 392 + | 2 | .512 | ---- | 1 | 1 + | 1 | | |
| 570 | ---- | ---- | ---- | 321N | 322 + | 1 | .443 | ---- | ---- | 18 | UNCH | 460 | 460 |
| 600 | ---- | ---- | ---- | 236N | 236 | | .351 | ---- | ---- | 88 | UNCH | 302 | 300 |
| 610 | ---- | ---- | ---- | 214N | 214 | | .324 | ---- | ---- | 2 | UNCH | | |
| 620 | ---- | ---- | ---- | 193N | 193 | | .298 | ---- | ---- | 25 | UNCH | 482B | 270 |
| 630 | ---- | ---- | ---- | 175N | 174 - | 1 | .274 | ---- | ---- | 40 | UNCH | 462B | |
| 640 | ---- | ---- | ---- | 160N | 157 - | 1 | .253 | ---- | 1 | 7 + | 1 | | |
| 650 | ---- | ---- | ---- | 144N | 143 - | 1 | .232 | ---- | 1 | 95 + | 1 | 450 | 190 |
| 660 | ---- | ---- | ---- | 131N | 131 | | .215 | ---- | ---- | 32 | UNCH | 353B | 330 |
| 670 | ---- | ---- | ---- | 120N | 117 - | 1 | .197 | ---- | ---- | 47 | UNCH | 330 | 125A |
| 680 | ---- | ---- | ---- | 110N | 107 - | 1 | .182 | ---- | ---- | 36 | UNCH | | |

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57
Side 18

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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 690 | ---- | ---- | ---- | 100N | 97 | - | 1 | .168 | ---- | ---- | 26 | | UNCH | | |
| 700 | ---- | ---- | ---- | 92N | 91 | - | 1 | .156 | ---- | ---- | 113 | | UNCH | 262B | 100 |
| 710 | 94 | #94 | *94 | 94 | 83 | - | 1 | .144 | ---- | 2 | 37 | - | 2 | 232 | 94 |
| 720 | ---- | ---- | ---- | 76N | 75 | - | 1 | .132 | ---- | ---- | 11 | | UNCH | 110 | 110 |
| 770 | ---- | ---- | ---- | 52N | 51 | - | 1 | .091 | ---- | ---- | 2 | | UNCH | | |
| 800 | ---- | ---- | ---- | 42N | 40 | - | 2 | .073 | ---- | ---- | 4 | | UNCH | | |
| TOTAL | | | | | | | | | | 5 | 584 | + | 1 | | |
| KC HRW PUT | | | | | | | | | | | | | | | |
| AUG18 | KC HRW PUT | | | | | | | | | | | | | | |
| 445 | ---- | ---- | ---- | 32N | 25 | - | 5 | .142 | ---- | ---- | 1 | | UNCH | 34 | 3A |
| 450 | ---- | ---- | ---- | 43N | 35 | - | 6 | .183 | ---- | 3 | 5 | + | 3 | 44B | 4A |
| 460 | ---- | ---- | ---- | 73N | 64 | + | 7 | .282 | ---- | 1 | 1 | + | 1 | 75B | 31A |
| 465 | ---- | ---- | ---- | 93N | 82 | - | 11 | .336 | ---- | ---- | 2 | | UNCH | 100B | 31A |
| 470 | ---- | ---- | ---- | 116N | 103 | - | 13 | .392 | ---- | 8 | 12 | + | 7 | 124B | 25A |
| 475 | ---- | ---- | ---- | 143N | 127 | - | 14 | .448 | ---- | ---- | 18 | | UNCH | 152B | 12 |
| 480 | ---- | ---- | ---- | 172N | 155 | - | 15 | .504 | ---- | 14 | 335 | | UNCH | 182B | 32A |
| 485 | ---- | ---- | ---- | 203N | 185 | - | 16 | .557 | ---- | ---- | 5 | | UNCH | 184B | 34A |
| 490 | ---- | ---- | ---- | 237N | 217 | - | 20 | .607 | ---- | ---- | 117 | | UNCH | 201B | 35A |
| 500 | ---- | ---- | ---- | 312N | 291 | - | 21 | .695 | ---- | 6 | 18 | - | 5 | 282B | 34 |
| 505 | ---- | ---- | ---- | 352N | 330 | - | 22 | .734 | ---- | ---- | 50 | | UNCH | 250B | 41A |
| 510 | ---- | ---- | ---- | 393N | 371 | - | 22 | .767 | ---- | ---- | 38 | | UNCH | 285B | 42A |
| 520 | ---- | ---- | ---- | 480N | 455 | - | 23 | .825 | ---- | ---- | 57 | | UNCH | 362B | 54 |
| 525 | ---- | ---- | ---- | 524N | 500 | - | 24 | .850 | ---- | ---- | 11 | | UNCH | 403B | 73A |
| 530 | ---- | ---- | ---- | 570N | 544 | - | 24 | .867 | ---- | ---- | 27 | | UNCH | 445B | 82A |
| 535 | ---- | ---- | ---- | 615N | 591 | - | 24 | .887 | ---- | ---- | 50 | | UNCH | 487B | 96A |
| 540 | ---- | ---- | ---- | 663N | 636 | - | 25 | .903 | ---- | 2 | 42 | - | 2 | 607B | 111 |
| 545 | ---- | ---- | ---- | 710N | 683 | - | 25 | .915 | ---- | 2 | 13 | | UNCH | 655B | 125A |
| 550 | ---- | ---- | ---- | 756N | 731 | - | 25 | .927 | ---- | 1 | 26 | | UNCH | 720 | 142A |
| 555 | ---- | ---- | ---- | 805N | 780 | - | 25 | .938 | ---- | ---- | 234 | | UNCH | 667B | 160A |
| 560 | ---- | ---- | ---- | 854N | 826 | - | 26 | .944 | ---- | ---- | 8 | | UNCH | 715B | 180A |
| 565 | ---- | ---- | ---- | 902N | 875 | - | 25 | .951 | ---- | ---- | 12 | | UNCH | 763B | 201A |
| 570 | ---- | ---- | ---- | 951N | 924 | - | 25 | .957 | ---- | ---- | 36 | | UNCH | 816B | 223A |
| 580 | ---- | ---- | ---- | 1050N | 1022 | - | 26 | .968 | ---- | ---- | 102 | | UNCH | 806 | 270A |
| TOTAL | | | | | | | | | | 37 | 1220 | + | 4 | | |
| SEP18 | KC HRW PUT | | | | | | | | | | | | | | |
| 380 | ---- | ---- | ---- | 1N | 1 | | | .002 | ---- | ---- | 3 | | UNCH | 30 | 12A |
| 390 | ---- | ---- | ---- | 1N | 1 | | | .005 | ---- | ---- | 12 | | UNCH | 33 | 16A |
| 400 | ---- | ---- | ---- | 3N | 2 | - | 1 | .015 | ---- | ---- | 31 | | UNCH | 54B | 4 |
| 410 | ---- | ---- | ---- | 7N | 5 | - | 2 | .035 | ---- | ---- | 33 | | UNCH | 80B | 12A |
| 420 | ---- | ---- | ---- | 15N | 12 | - | 3 | .063 | ---- | ---- | 22 | | UNCH | 110B | 5A |
| 430 | ---- | ---- | ---- | 26N | 22 | - | 4 | .104 | ---- | ---- | 202 | | UNCH | 146B | 17 |
| 440 | ---- | ---- | ---- | 45N | 40 | - | 5 | .164 | ---- | 1 | 366 | | UNCH | 194B | 10 |
| 445 | ---- | ---- | ---- | 57N | 51 | - | 6 | .199 | ---- | 6 | 8 | + | 6 | 63B | 30A |
| 450 | ---- | ---- | ---- | 73N | 64 | - | 7 | .237 | ---- | 33 | 888 | + | 3 | 244B | 10 |
| 455 | ---- | ---- | ---- | 91N | 81 | - | 10 | .278 | ---- | ---- | 12 | | UNCH | 96B | 13A |
| 460 | ---- | ---- | ---- | 111N | 100 | - | 11 | .321 | ---- | 20 | 1041 | | UNCH | 302B | 14 |
| 465 | ---- | ---- | ---- | 133N | 121 | - | 12 | .365 | ---- | ---- | 44 | | UNCH | 142B | 17A |
| 470 | 140 | #140 | *140 | 140 | 144 | - | 13 | .409 | ---- | 212 | 578 | + | 186 | 363B | 21 |
| 475 | ---- | ---- | ---- | 185N | 171 | - | 14 | .452 | ---- | ---- | 27 | | UNCH | 204 | 25A |
| 480 | 196 | 196 | 196 | 196 | 200 | - | 14 | .494 | ---- | 13 | 1357 | - | 1 | 431B | 27 |
| 485 | ---- | ---- | ---- | 245N | 230 | - | 15 | .535 | ---- | 5 | 113 | | UNCH | 245B | 34 |
| 490 | ---- | ---- | ---- | 280N | 262 | - | 16 | .574 | ---- | 2 | 393 | | UNCH | 502B | 41A |
| 495 | ---- | ---- | ---- | 314N | 296 | - | 16 | .610 | ---- | ---- | 32 | | UNCH | 262B | 47A |
| 500 | ---- | ---- | ---- | 351N | 332 | - | 17 | .644 | ---- | 29 | 1280 | - | 25 | 573B | 46A |
| 505 | ---- | ---- | ---- | 387N | 370 | - | 17 | .677 | ---- | ---- | 59 | | UNCH | 355B | 62 |
| 510 | ---- | ---- | ---- | 426N | 407 | - | 17 | .706 | ---- | 4 | 111 | - | 2 | 617B | 73A |
| 515 | ---- | ---- | ---- | 466N | 446 | - | 20 | .734 | ---- | ---- | 4 | | UNCH | 402B | 86A |
| 520 | ---- | ---- | ---- | 507N | 487 | - | 20 | .759 | ---- | 32 | 830 | - | 27 | 610B | 93A |
| 530 | ---- | ---- | ---- | 593N | 572 | - | 21 | .805 | ---- | 43 | 668 | - | 4 | 652B | 115A |
| 535 | ---- | ---- | ---- | 637N | 615 | - | 22 | .824 | ---- | ---- | 11 | | UNCH | 646B | 135A |
| 540 | ---- | ---- | ---- | 683N | 660 | - | 23 | .840 | ---- | 4 | 622 | - | 4 | 700 | 150 |
| 545 | ---- | ---- | ---- | 727N | 704 | - | 23 | .856 | ---- | ---- | 10 | | UNCH | 737B | 186A |
| 550 | ---- | ---- | ---- | 774N | 751 | - | 23 | .872 | ---- | 1 | 226 | - | 1 | 784B | 180 |
| 555 | ---- | ---- | ---- | 821N | 796 | - | 23 | .884 | ---- | ---- | 180 | | UNCH | 831B | 231A |
| 560 | ---- | ---- | ---- | 867N | 843 | - | 24 | .897 | ---- | 1 | 282 | | UNCH | 877B | 227A |
| 570 | ---- | ---- | ---- | 963N | 936 | - | 25 | .915 | ---- | 12 | 424 | - | 2 | 973B | 272A |
| 580 | ---- | ---- | ---- | 1060N | 1033 | - | 25 | .932 | ---- | ---- | 9 | | UNCH | 1070B | 322A |
| 600 | ---- | ---- | ---- | 1253N | 1225 | - | 26 | .955 | ---- | 1 | 56 | | UNCH | 1264B | 436A |
| 610 | ---- | ---- | ---- | 1351N | 1323 | - | 26 | .964 | ---- | ---- | 10 | | UNCH | 1362B | 502A |
| TOTAL | | | | | | | | | | 419 | 9944 | + | 129 | | |
| DEC18 | KC HRW PUT | | | | | | | | | | | | | | |
| 370 | ---- | ---- | ---- | 2N | 1 | - | 1 | .005 | ---- | ---- | 3 | | UNCH | 3 | 2A |
| 400 | ---- | ---- | ---- | 10N | 7 | - | 1 | .032 | ---- | ---- | 75 | | UNCH | 40 | 4 |
| 420 | ---- | ---- | ---- | 25N | 21 | - | 4 | .071 | ---- | ---- | 44 | | UNCH | 75B | 6A |
| 430 | ---- | ---- | ---- | 37N | 33 | - | 4 | .103 | ---- | ---- | 54 | | UNCH | 104B | 21A |
| 440 | ---- | ---- | ---- | 55N | 50 | - | 5 | .141 | ---- | 4 | 12 | | UNCH | 136B | 27A |
| 450 | ---- | ---- | ---- | 77N | 71 | - | 6 | .185 | ---- | 50 | 214 | + | 48 | 177B | 16 |
| 460 | ---- | ---- | ---- | 107N | 100 | - | 7 | .237 | ---- | ---- | 23 | | UNCH | 223B | 30 |
| 470 | ---- | ---- | ---- | 145N | 135 | - | 10 | .293 | ---- | ---- | 52 | | UNCH | 274B | 46 |
| 480 | ---- | ---- | ---- | 190N | 177 | - | 11 | .350 | ---- | ---- | 29 | | UNCH | 332B | 35A |
| 490 | 220 | #220 | *220 | 220 | 226 | - | 13 | .407 | ---- | 50 | 88 | - | 43 | 393B | 45A |
| 500 | ---- | ---- | ---- | 296N | 282 | - | 14 | .462 | ---- | 30 | 958 | - | 10 | 457B | 61 |
| 510 | ---- | ---- | ---- | 357N | 342 | - | 15 | .515 | ---- | ---- | 86 | | UNCH | 526B | 87A |
| 520 | 370 | #370 | 370 | 370 | 406 | - | 16 | .565 | ---- | 51 | 756 | - | 19 | 600B | 100 |
| 530 | ---- | ---- | ---- | 494N | 476 | - | 16 | .611 | ---- | ---- | 367 | | UNCH | 675B | 120 |
| 540 | ---- | ---- | ---- | 567N | 550 | - | 17 | .654 | ---- | ---- | 245 | | UNCH | 723B | 142 |
| 550 | ---- | ---- | ---- | 644N | 625 | - | 17 | .692 | ---- | ---- | 352 | | UNCH | 726B | 174 |
| 560 | ---- | ---- | ---- | 724N | 705 | - | 17 | .727 | ---- | ---- | 10 | | UNCH | 766B | 214A |
| 570 | ---- | ---- | ---- | 807N | 787 | - | 20 | .758 | ---- | ---- | 597 | | UNCH | 805B | 254A |
| 580 | ---- | ---- | ---- | 893N | 873 | - | 20 | .787 | ---- | ---- | 277 | | UNCH | 892B | 301A |
| 590 | ---- | ---- | ---- | 980N | 961 | - | 17 | .811 | ---- | ---- | 96 | | UNCH | 981B | 347A |
| 600 | ---- | ---- | ---- | 1067N | 1050 | - | 17 | .832 | ---- | ---- | 667 | | UNCH | 1070B | 403A |
| TOTAL | | | | | | | | | | 185 | 5005 | - | 24 | | |
| MAR19 | KC HRW PUT | | | | | | | | | | | | | | |
| 460 | ---- | ---- | ---- | 90N | 82 | - | 6 | .183 | ---- | ---- | 40 | | UNCH | 102 | 40A |
| 470 | ---- | ---- | ---- | 117N | 110 | - | 7 | .226 | ---- | ---- | 30 | | UNCH | 122 | 43A |
| 480 | ---- | ---- | ---- | 152N | 143 | - | 7 | .273 | ---- | ---- | 55 | | UNCH | 130 | 42 |
| 490 | ---- | ---- | ---- | 192N | 182 | - | 10 | .322 | ---- | ---- | 35 | | UNCH | 167B | 47A |
| 500 | ---- | ---- | ---- | 237N | 227 | - | 10 | .372 | ---- | ---- | 126 | | UNCH | 216B | 62A |
| 520 | ---- | ---- | ---- | 346N | 334 | - | 12 | .469 | ---- | 8 | 138 | + | 8 | 325B | 97A |
| 530 | ---- | ---- | ---- | 406N | 394 | - | 12 | .515 | ---- | ---- | 3 | | UNCH | 360B | 122A |
| 540 | ---- | ---- | ---- | 472N | 457 | - | 13 | .558 | ---- | ---- | 46 | | UNCH | 410B | 137A |
| 550 | ---- | ---- | ---- | 540N | 525 | - | 13 | .599 | ---- | 6 | 30 | - | 1 | 474B | 165A |
| 560 | ---- | ---- | ---- | 612N | 596 | - | 14 | .638 | ---- | ---- | 76 | | UNCH | 542B | 197A |
| 570 | ---- | ---- | ---- | 685N | 671 | - | 14 | .673 | ---- | ---- | 4 | | UNCH | 613B | 233A |
| 580 | ---- | ---- | ---- | 764N | 747 | - | 15 | .707 | ---- | ---- | 6 | | UNCH | 732B | 273A |
| 590 | ---- | ---- | ---- | 844N | 830 | - | 14 | .737 | ---- | ---- | 59 | | UNCH | 764B | 316A |
| 600 | ---- | ---- | ---- | 927N | 912 | - | 15 | .764 | ---- | 6 | 18 | | UNCH | 844B | 362 |
| 610 | ---- | ---- | ---- | 1013N | 996 | - | 15 | .788 | ---- | ---- | 10 | | UNCH | 925B | 416A |
| 620 | ---- | ---- | ---- | 1101N | 1083 | - | 16 | .810 | ---- | ---- | 7 | | UNCH | 1010B | 465A |
| TOTAL | | | | | | | | | | 20 | 683 | + | 7 | | |
| MAY19 | KC HRW PUT | | | | | | | | | | | | | | |
| 480 | ---- | ---- | ---- | 141N | 132 | - | 7 | .237 | ---- | ---- | 6 | | UNCH | 133B | 30 |
| 500 | ---- | ---- | ---- | 220N | 210 | - | 10 | .323 | ---- | ---- | 2 | | UNCH | 106B | 80 |
| 510 | ---- | ---- | ---- | 266N | 255 | - | 11 | .368 | ---- | ---- | 30 | | UNCH | 164 | 82 |
| 540 | ---- | ---- | ---- | 435N | 421 | - | 14 | .495 | ---- | ---- | 27 | | UNCH | | 270A |
| 550 | ---- | ---- | ---- | 497N | 483 | - | 14 | .534 | ---- | ---- | 111 | | UNCH | 356 | 180 |
| 560 | ---- | ---- | ---- | 564N | 550 | - | 14 | .571 | ---- | ---- | 7 | | UNCH | 550B | 366A |
| 570 | ---- | ---- | ---- | 634N | 617 | - | 15 | .607 | ---- | ---- | 21 | | UNCH | | 421A |
| 580 | ---- | ---- | ---- | 706N | 691 | - | 15 | .640 | ---- | ---- | 30 | | UNCH | 450 | 450 |
| 590 | ---- | ---- | ---- | 782N | 765 | - | 15 | .672 | ---- | ---- | 16 | | UNCH | 500 | 500 |
| 600 | ---- | ---- | ---- | 860N | 842 | - | 16 | .700 | ---- | ---- | 8 | | UNCH | | |
| TOTAL | | | | | | | | | | 0 | 258 | | | | |
| JUL19 | KC HRW PUT | | | | | | | | | | | | | | |
| 450 | ---- | ---- | ---- | 63N | 60 | - | 3 | .120 | ---- | ---- | 59 | | UNCH | 34 | 24 |
| 460 | ---- | ---- | ---- | 83N | 77 | - | 4 | .148 | ---- | ---- | 4 | | UNCH | 40 | 30 |
| 480 | ---- | ---- | ---- | 134N | 127 | - | 5 | .215 | ---- | ---- | 3 | | UNCH | 130 | 130 |
| 490 | ---- | ---- | ---- | 170N | 162 | - | 6 | .253 | ---- | ---- | 7 | | UNCH | 54 | 54 |
| 500 | 134 | #134 | *134 | 134 | 200 | - | 7 | .292 | ---- | ---- | 11 | | UNCH | 210 | 90 |
| 520 | ---- | ---- | ---- | 302N | 292 | - | 10 | .372 | ---- | ---- | 4 | | UNCH | 217 | 217 |
| 530 | ---- | ---- | ---- | 355N | 344 | - | 11 | .411 | ---- | ---- | 4 | | UNCH | 290 | 150 |
| 540 | ---- | ---- | ---- | 413N | 401 | - | 12 | .450 | ---- | 1 | 7 | + | 1 | | |
| 550 | ---- | ---- | ---- | 473N | 461 | - | 12 | .487 | ---- | ---- | 62 | | UNCH | 236 | 196 |
| 560 | ---- | ---- | ---- | 535N | 523 | - | 12 | .522 | ---- | ---- | 17 | | UNCH | 490 | 210A |
| 570 | ---- | ---- | ---- | 602N | 587 | - | 13 | .556 | ---- | ---- | 40 | | UNCH | 264 | 240 |
| 580 | ---- | ---- | ---- | 670N | 655 | - | 13 | .589 | ---- | ---- | 26 | | UNCH | 390B | 284 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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## FINAL



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 590 | ---- | ---- | ---- | 741N | 725 - | 14 | .619 | ---- | ---- | 27 | UNCH | 470 | 460 |
| 600 | ---- | ---- | ---- | 813N | 797 - | 14 | .648 | ---- | ---- | 134 | UNCH | 480 | 360 |
| 610 | ---- | ---- | ---- | 890N | 874 - | 14 | .675 | ---- | ---- | 56 | UNCH | 510 | 480 |
| 620 | ---- | ---- | ---- | 966N | 952 - | 14 | .701 | ---- | ---- | 14 | UNCH | 880 | 480 |
| TOTAL | | | | | | | | | 1 | 475 + | 1 | | |
| NEW CRP WHEAT C | | | | | | | | | | | | | |
| DEC18 | NEW CRP WHEAT C | | | | | | | | | | | | |
| 600 | ---- | ---- | ---- | 130N | 132 + | 2 | .269 | ---- | ---- | 5 | UNCH | 210 | 210 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| MAR19 | NEW CRP WHEAT C | | | | | | | | | | | | |
| 600 | ---- | ---- | ---- | 160N | 161 + | 1 | .293 | ---- | ---- | 5 | UNCH | 240 | 240 |
| TOTAL | | | | | | | | | 0 | 5 | | | |
| MAY19 | NEW CRP WHEAT C | | | | | | | | | | | | |
| 580 | ---- | ---- | ---- | 246N | 250 + | 2 | .380 | ---- | ---- | 2 | UNCH | 250 | 250 |
| 600 | ---- | ---- | ---- | 200N | 202 + | 2 | .321 | ---- | ---- | 2 | UNCH | 274 | 274A |
| TOTAL | | | | | | | | | 0 | 4 | | | |
| SC3 OOC | | | | | | | | | | | | | |
| NOV18 | SC3 OOC | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | 145N | 152 + | 5 | .846 | ---- | ---- | 70 | UNCH | 130 | 30 |
| TOTAL | | | | | | | | | 0 | 70 | | | |
| NEW CRP SOYBN C | | | | | | | | | | | | | |
| AUG18 | NEW CRP SOYBN C | | | | | | | | | | | | |
| 850 | ---- | ---- | ---- | 476N | 490 + | 12 | .749 | ---- | ---- | 1 | UNCH | 724B | 525A |
| 860 | ---- | ---- | ---- | 407N | 421 + | 12 | .693 | ---- | ---- | 1 | UNCH | 645B | 454A |
| 870 | ---- | ---- | ---- | 345N | 357 + | 12 | .633 | ---- | ---- | 1 | UNCH | 572B | 330A |
| 880 | ---- | ---- | ---- | 291N | 303 + | 12 | .570 | ---- | ---- | 10 | UNCH | 1092B | 276A |
| 890 | ---- | ---- | ---- | 242N | 254 + | 12 | .508 | ---- | 22 | 69 + | 22 | 1207B | 231A |
| 900 | ---- | ---- | ---- | 200N | 212 + | 12 | .447 | ---- | 52 | 94 + | 23 | 1145B | 190A |
| 910 | ---- | ---- | ---- | 163N | 175 + | 12 | .389 | ---- | ---- | 13 | UNCH | 1436B | 155A |
| 920 | ---- | ---- | ---- | 133N | 144 + | 11 | .335 | ---- | 3 | 83 | UNCH | 1380B | 126A |
| 930 | ---- | ---- | ---- | 107N | 120 + | 11 | .287 | ---- | 9 | 54 - | 3 | 1285B | 104A |
| 940 | ---- | ---- | ---- | 87N | 97 + | 10 | .244 | ---- | 33 | 137 + | 29 | 1240B | 85A |
| 950 | ---- | ---- | ---- | 72N | 82 + | 10 | .209 | ---- | 2 | 217 | UNCH | 1155B | 71A |
| 960 | ---- | ---- | ---- | 57N | 66 + | 7 | .176 | ---- | 1 | 438 | UNCH | 1073B | 57A |
| 970 | ---- | ---- | ---- | 46N | 55 + | 7 | .149 | ---- | ---- | 149 | UNCH | 995B | 47A |
| 980 | ---- | ---- | ---- | 37N | 45 + | 6 | .125 | ---- | 44 | 472 - | 1 | 921B | 40A |
| 990 | ---- | ---- | ---- | 32N | 37 + | 5 | .106 | ---- | ---- | 61 | UNCH | 850B | 33A |
| 1000 | ---- | ---- | ---- | 25N | 32 + | 5 | .089 | ---- | 2 | 341 + | 1 | 782B | 26A |
| 1010 | ---- | ---- | ---- | 22N | 26 + | 4 | .076 | ---- | ---- | 12 | UNCH | 720B | 23A |
| 1020 | ---- | ---- | ---- | 17N | 23 + | 4 | .066 | ---- | 1 | 274 - | 1 | 661B | 20A |
| 1030 | ---- | ---- | ---- | 14N | 20 + | 4 | .056 | ---- | ---- | 118 | UNCH | 605B | 16A |
| 1040 | ---- | ---- | ---- | 12N | 16 + | 4 | .048 | ---- | 8 | 191 | UNCH | 554B | 14A |
| 1050 | ---- | ---- | ---- | 11N | 14 + | 3 | .041 | ---- | ---- | 1339 | UNCH | 507B | 12 |
| 1060 | ---- | ---- | ---- | 10N | 13 + | 3 | .037 | ---- | 2 | 255 | UNCH | 470 | 12 |
| 1070 | ---- | ---- | ---- | 7N | 12 + | 3 | .033 | ---- | 4 | 173 | UNCH | 425B | 10 |
| 1080 | ---- | ---- | ---- | 7N | 10 + | 1 | .027 | ---- | ---- | 66 | UNCH | 392B | 7 |
| 1090 | ---- | ---- | ---- | 6N | 7 + | 1 | .024 | ---- | ---- | 76 | UNCH | 357B | 6 |
| 1100 | ---- | ---- | ---- | 6N | 6 | | .020 | ---- | ---- | 1361 | UNCH | 326B | 7A |
| 1110 | ---- | ---- | ---- | 6N | 6 | | .020 | ---- | ---- | 169 | UNCH | 297B | 6A |
| 1120 | ---- | ---- | ---- | 5N | 5 | | .016 | ---- | ---- | 55 | UNCH | 272B | 6 |
| 1130 | ---- | ---- | ---- | 5N | 5 | | .016 | ---- | 52 | 69 + | 45 | 246B | 4 |
| 1140 | ---- | ---- | ---- | 5N | 4 - | 1 | .013 | ---- | ---- | 151 | UNCH | 224B | 5A |
| 1150 | ---- | ---- | ---- | 4N | 4 | | .013 | ---- | ---- | 47 | UNCH | 205B | 5A |
| 1160 | ---- | ---- | ---- | 4N | 4 | | .012 | ---- | ---- | 42 | UNCH | 190B | 4A |
| 1170 | ---- | ---- | ---- | 4N | 3 - | 1 | .009 | ---- | ---- | 42 | UNCH | 173B | 4A |
| 1180 | ---- | ---- | ---- | 3N | 3 | | .009 | ---- | ---- | 47 | UNCH | 160B | 3 |
| 1190 | ---- | ---- | ---- | 3N | 3 | | .009 | ---- | ---- | 29 | UNCH | 145B | 5A |
| 1200 | ---- | ---- | ---- | 3N | 3 | | .009 | ---- | ---- | 2007 | UNCH | 133B | 3 |
| 1210 | ---- | ---- | ---- | 3N | 3 | | .009 | ---- | ---- | 171 | UNCH | 122B | 3A |
| 1220 | ---- | ---- | ---- | 2N | 3 + | 1 | .008 | ---- | ---- | 40 | UNCH | 112B | 4A |
| 1230 | ---- | ---- | ---- | 2N | 3 + | 1 | .008 | ---- | ---- | 3 | UNCH | 103B | 4A |
| 1240 | ---- | ---- | ---- | 2N | 2 | | .006 | ---- | ---- | 17 | UNCH | 94B | 4 |
| 1250 | ---- | ---- | ---- | 2N | 2 | | .005 | ---- | ---- | 5 | UNCH | 85B | 5 |
| 1260 | ---- | ---- | ---- | 2N | 2 | | .005 | ---- | ---- | 43 | UNCH | 80B | 2A |
| 1270 | ---- | ---- | ---- | 2N | 2 | | .005 | ---- | ---- | 165 | UNCH | 72B | 2A |
| 1280 | ---- | ---- | ---- | 1N | 2 + | 1 | .005 | ---- | ---- | 6 | UNCH | 65B | 2A |
| 1300 | ---- | ---- | ---- | 1N | 2 + | 1 | .005 | ---- | ---- | 3 | UNCH | 55B | 2A |
| TOTAL | | | | | | | | | 235 | 9117 + | 115 | | |
| SEP18 | NEW CRP SOYBN C | | | | | | | | | | | | |
| 850 | ---- | ---- | ---- | 537N | 550 + | 11 | .704 | ---- | ---- | 1 | UNCH | 760B | 586A |
| 860 | ---- | ---- | ---- | 477N | 487 + | 10 | .657 | ---- | 6 | 6 + | 6 | 686B | 464A |
| 870 | ---- | ---- | ---- | 423N | 433 + | 10 | .609 | ---- | ---- | 2 | UNCH | 1194B | 410A |
| 890 | ---- | ---- | ---- | 330N | 340 + | 10 | .514 | ---- | ---- | 32 | UNCH | 1247B | 320A |
| 900 | ---- | ---- | ---- | 291N | 300 + | 7 | .469 | ---- | 3 | 202 + | 3 | 1582B | 281A |
| 910 | ---- | ---- | ---- | 255N | 264 + | 7 | .426 | ---- | 1 | 122 + | 1 | 1491B | 246A |
| 920 | ---- | ---- | ---- | 224N | 233 + | 7 | .386 | ---- | 235 | 297 + | 229 | 1441B | 216A |
| 930 | ---- | ---- | ---- | 196N | 205 + | 7 | .349 | ---- | 1 | 176 + | 1 | 1355B | 191A |
| 940 | ---- | ---- | ---- | 173N | 182 + | 7 | .315 | ---- | 4 | 104 + | 4 | 1273B | 166A |
| 950 | ---- | ---- | ---- | 152N | 161 + | 7 | .284 | ---- | 1 | 69 + | 1 | 1193B | 146A |
| 960 | ---- | ---- | ---- | 133N | 142 + | 7 | .255 | ---- | 77 | 200 + | 77 | 1116B | 130 |
| 970 | ---- | ---- | ---- | 116N | 125 + | 7 | .229 | ---- | 7 | 238 + | 5 | 1043B | 115A |
| 980 | ---- | ---- | ---- | 103N | 111 + | 6 | .205 | ---- | 61 | 626 + | 57 | 974B | 102A |
| 990 | ---- | ---- | ---- | 92N | 97 + | 5 | .185 | ---- | ---- | 80 | UNCH | 907B | 91A |
| 1000 | ---- | ---- | ---- | 81N | 87 + | 6 | .167 | ---- | 237 | 1111 + | 26 | 845B | 81A |
| 1010 | ---- | ---- | ---- | 72N | 77 + | 5 | .150 | ---- | ---- | 97 | UNCH | 786B | 72A |
| 1020 | ---- | ---- | ---- | 63N | 70 + | 5 | .134 | ---- | 235 | 913 - | 1 | 732B | 64A |
| 1030 | ---- | ---- | ---- | 55N | 62 + | 5 | .121 | ---- | ---- | 167 | UNCH | 680B | 56A |
| 1040 | ---- | ---- | ---- | 50N | 55 + | 5 | .109 | ---- | 5 | 487 + | 2 | 632B | 51A |
| 1050 | ---- | ---- | ---- | 43N | 50 + | 5 | .098 | ---- | 2 | 672 + | 1 | 586B | 45A |
| 1060 | ---- | ---- | ---- | 37N | 44 + | 5 | .088 | ---- | 6 | 454 - | 5 | 544B | 41A |
| 1070 | ---- | ---- | ---- | 34N | 40 + | 4 | .079 | ---- | 2 | 170 | UNCH | 505B | 35 |
| 1080 | ---- | ---- | ---- | 31N | 35 + | 4 | .072 | ---- | ---- | 333 | UNCH | 467B | 33A |
| 1090 | ---- | ---- | ---- | 26N | 32 + | 4 | .065 | ---- | ---- | 113 | UNCH | 434B | 30A |
| 1100 | ---- | ---- | ---- | 24N | 27 + | 3 | .058 | ---- | 232 | 1680 + | 225 | 404 | 26 |
| 1110 | ---- | ---- | ---- | 22N | 25 + | 3 | .053 | ---- | 1 | 81 | UNCH | 373B | 24A |
| 1120 | ---- | ---- | ---- | 20N | 23 + | 3 | .048 | ---- | ---- | 113 | UNCH | 345B | 22A |
| 1130 | ---- | ---- | ---- | 17N | 21 + | 2 | .043 | ---- | ---- | 91 | UNCH | 321B | 20 |
| 1140 | ---- | ---- | ---- | 15N | 17 + | 2 | .038 | ---- | 4 | 85 - | 4 | 295B | 17A |
| 1150 | ---- | ---- | ---- | 14N | 16 + | 2 | .035 | ---- | 73 | 54 - | 50 | 274B | 16A |
| 1160 | ---- | ---- | ---- | 13N | 15 + | 2 | .033 | ---- | 2 | 57 - | 2 | 253B | 14A |
| 1170 | ---- | ---- | ---- | 12N | 13 + | 1 | .028 | ---- | ---- | 26 | UNCH | 233B | 13A |
| 1180 | ---- | ---- | ---- | 12N | 12 | | .026 | ---- | ---- | 58 | UNCH | 216B | 13A |
| 1190 | ---- | ---- | ---- | 11N | 12 + | 1 | .025 | ---- | ---- | 60 | UNCH | 202B | 12A |
| 1200 | ---- | ---- | ---- | 10N | 11 + | 1 | .023 | ---- | 1 | 228 | UNCH | 187B | 7 |
| 1210 | ---- | ---- | ---- | 10N | 10 | | .020 | ---- | ---- | 26 | UNCH | 174B | 10A |
| 1220 | ---- | ---- | ---- | 7N | 10 + | 1 | .020 | ---- | ---- | 90 | UNCH | 163B | 10A |
| 1230 | ---- | ---- | ---- | 6N | 7 + | 1 | .017 | ---- | ---- | 6 | UNCH | 152B | 7A |
| 1240 | ---- | ---- | ---- | 6N | 6 | | .015 | ---- | ---- | 11 | UNCH | 141B | 7A |
| 1250 | ---- | ---- | ---- | 5N | 6 + | 1 | .015 | ---- | ---- | 75 | UNCH | 131B | 7 |
| 1260 | ---- | ---- | ---- | 5N | 5 | | .013 | ---- | ---- | 14 | UNCH | 122B | 6A |
| 1270 | ---- | ---- | ---- | 4N | 5 + | 1 | .012 | ---- | ---- | 125 | UNCH | 113B | 6A |
| 1280 | ---- | ---- | ---- | 4N | 4 | | .010 | ---- | ---- | 71 | UNCH | 105B | 5 |
| 1290 | ---- | ---- | ---- | 3N | 4 + | 1 | .010 | ---- | ---- | 38 | UNCH | 97B | 5A |
| 1300 | ---- | ---- | ---- | 3N | 4 + | 1 | .010 | ---- | ---- | 115 | UNCH | 91B | 4 |
| 1310 | ---- | ---- | ---- | 3N | 3 | | .007 | ---- | ---- | 120 | UNCH | 84 | 4 |
| TOTAL | | | | | | | | | 1196 | 9896 + | 576 | | |
| JAN19 | NEW CRP SOYBN C | | | | | | | | | | | | |
| 990 | ---- | ---- | ---- | 50N | 52 + | 2 | .145 | ---- | ---- | 3 | UNCH | | |
| 1000 | ---- | ---- | ---- | 41N | 43 + | 2 | .123 | ---- | ---- | 22 | UNCH | | |
| 1030 | ---- | ---- | ---- | 23N | 23 | | .071 | ---- | ---- | 1 | UNCH | | |
| 1080 | ---- | ---- | ---- | 7N | 10 + | 1 | .031 | ---- | ---- | 44 | UNCH | 40 | 40 |
| 1150 | ---- | ---- | ---- | 2N | 3 + | 1 | .011 | ---- | ---- | 15 | UNCH | 124 | 104 |
| 1200 | ---- | ---- | ---- | 1N | 2 + | 1 | .007 | ---- | ---- | 10 | UNCH | 70 | 60 |
| TOTAL | | | | | | | | | 0 | 95 | | | |
| MAR19 | NEW CRP SOYBN C | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | 117N | 121 + | 2 | .214 | ---- | ---- | 29 | UNCH | 122B | |
| 1060 | ---- | ---- | ---- | 44N | 52 + | 6 | .105 | ---- | ---- | 1 | UNCH | | |
| TOTAL | | | | | | | | | 0 | 30 | | | |
| NEW CRP SOYBN P | | | | | | | | | | | | | |
| AUG18 | NEW CRP SOYBN P | | | | | | | | | | | | |
| 760 | ---- | ---- | ---- | 11N | 7 - | 2 | .027 | ---- | ---- | 318 | UNCH | 12B | 5A |
| 790 | ---- | ---- | ---- | 21N | 16 - | 3 | .055 | ---- | ---- | 5 | UNCH | 75 | 10A |
| 800 | ---- | ---- | ---- | 26N | 23 - | 3 | .073 | ---- | 8 | 326 + | 8 | 85 | 2 |
| 810 | ---- | ---- | ---- | 34N | 31 - | 3 | .094 | ---- | ---- | 6 | UNCH | 77 | 13A |
| 820 | ---- | ---- | ---- | 45N | 42 - | 3 | .123 | ---- | ---- | 84 | UNCH | 116 | 3 |
| 830 | ---- | ---- | ---- | 60N | 55 - | 3 | .157 | ---- | ---- | 82 | UNCH | 147 | 5A |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 840 | ---- | ---- | ---- | 77N | 75 - | 2 | .201 | ---- | 21 | 148 + | 21 | 166 | 4A |
| 850 | ---- | ---- | ---- | 103N | 100 - | 3 | .250 | ---- | 54 | 276 + | 54 | 140B | 3 |
| 860 | ---- | ---- | ---- | 133N | 131 - | 2 | .306 | ---- | 53 | 350 + | 52 | 174B | 5A |
| 870 | ---- | ---- | ---- | 171N | 167 - | 2 | .366 | ---- | 1 | 136 | UNCH | 320 | 6A |
| 880 | ---- | ---- | ---- | 215N | 213 - | 2 | .429 | ---- | 2 | 123 + | 1 | 341 | 6A |
| 890 | ---- | ---- | ---- | 266N | 264 - | 2 | .491 | ---- | 35 | 151 + | 33 | 396 | 7A |
| 900 | ---- | ---- | ---- | 324N | 322 - | 2 | .552 | ---- | 15 | 666 - | 2 | 454 | 5 |
| 910 | ---- | ---- | ---- | 387N | 384 - | 3 | .610 | ---- | 2 | 230 - | 1 | 504 | 6A |
| 920 | ---- | ---- | ---- | 457N | 454 - | 3 | .664 | ---- | 7 | 476 - | 5 | 552 | 7 |
| 930 | ---- | ---- | ---- | 533N | 527 - | 4 | .712 | ---- | 6 | 218 - | 1 | 563B | 7 |
| 940 | ---- | ---- | ---- | 612N | 607 - | 3 | .755 | ---- | 49 | 190 + | 44 | 742 | 14A |
| 950 | ---- | ---- | ---- | 695N | 691 - | 4 | .790 | ---- | ---- | 356 | UNCH | 726B | 17 |
| 960 | ---- | ---- | ---- | 782N | 775 - | 5 | .823 | ---- | ---- | 149 | UNCH | 814B | 24A |
| 970 | ---- | ---- | ---- | 872N | 864 - | 6 | .850 | ---- | ---- | 110 | UNCH | 855B | 33A |
| 980 | ---- | ---- | ---- | 963N | 954 - | 7 | .874 | ---- | ---- | 153 | UNCH | 990B | 43 |
| 990 | ---- | ---- | ---- | 1055N | 1046 - | 7 | .893 | ---- | ---- | 86 | UNCH | 1100 | 63A |
| 1000 | ---- | ---- | ---- | 1150N | 1141 - | 7 | .910 | ---- | 1 | 435 | UNCH | 1134B | 84A |
| 1010 | ---- | ---- | ---- | 1244N | 1235 - | 7 | .923 | ---- | 50 | 99 + | 23 | 1211B | 113A |
| 1020 | ---- | ---- | ---- | 1341N | 1332 - | 7 | .933 | ---- | ---- | 186 | UNCH | 1305B | 146A |
| 1030 | ---- | ---- | ---- | 1437N | 1427 - | 10 | .943 | ---- | ---- | 83 | UNCH | 1390B | 186 |
| 1040 | ---- | ---- | ---- | 1535N | 1525 - | 10 | .951 | ---- | ---- | 92 | UNCH | 1520 | 233A |
| 1050 | ---- | ---- | ---- | 1634N | 1623 - | 11 | .958 | ---- | ---- | 36 | UNCH | 1617 | 292A |
| 1060 | ---- | ---- | ---- | 1732N | 1721 - | 11 | .962 | ---- | ---- | 3 | UNCH | 1292B | 346A |
| TOTAL | | | | | | | | | 304 | 5573 + | 227 | | |
| SEP18 | | | | | | | | | | | | | |
| 740 | ---- | ---- | ---- | 12N | 11 - | 1 | .029 | ---- | ---- | 3 | UNCH | 24 | 10A |
| 750 | ---- | ---- | ---- | 14N | 13 - | 1 | .036 | ---- | ---- | 76 | UNCH | 37 | 4 |
| 760 | ---- | ---- | ---- | 17N | 16 - | 1 | .046 | ---- | ---- | 85 | UNCH | 21B | 13A |
| 770 | ---- | ---- | ---- | 22N | 21 - | 1 | .055 | ---- | ---- | 60 | UNCH | 26B | 15A |
| 780 | ---- | ---- | ---- | 27N | 26 - | 1 | .070 | ---- | ---- | 180 | UNCH | 72 | 20 |
| 790 | ---- | ---- | ---- | 36N | 34 - | 2 | .088 | ---- | ---- | 1 | UNCH | 44B | 23A |
| 800 | ---- | ---- | ---- | 46N | 44 - | 2 | .109 | ---- | 24 | 131 + | 24 | 115 | 12A |
| 810 | ---- | ---- | ---- | 62N | 57 - | 3 | .137 | ---- | 1 | 125 + | 1 | 133 | 4A |
| 820 | ---- | ---- | ---- | 81N | 75 - | 4 | .169 | ---- | 2 | 34 + | 2 | 94B | 6A |
| 830 | ---- | ---- | ---- | 103N | 97 - | 4 | .207 | ---- | ---- | 131 | UNCH | 184 | 5A |
| 840 | ---- | ---- | ---- | 131N | 126 - | 3 | .250 | ---- | 1 | 48 | UNCH | 166 | 6A |
| 850 | ---- | ---- | ---- | 164N | 161 - | 3 | .295 | ---- | 2 | 348 + | 2 | 270 | 7A |
| 860 | ---- | ---- | ---- | 203N | 200 - | 3 | .342 | ---- | ---- | 45 | UNCH | 290 | 7A |
| 870 | ---- | ---- | ---- | 247N | 244 - | 3 | .390 | ---- | 7 | 72 + | 7 | 331 | 10A |
| 880 | ---- | ---- | ---- | 297N | 294 - | 3 | .438 | ---- | 9 | 193 + | 8 | 364 | 11A |
| 890 | ---- | ---- | ---- | 354N | 350 - | 4 | .485 | ---- | 10 | 104 + | 1 | 383B | 11A |
| 900 | ---- | ---- | ---- | 414N | 410 - | 4 | .530 | ---- | 39 | 267 + | 32 | 544 | 13 |
| 910 | ---- | ---- | ---- | 480N | 473 - | 5 | .573 | ---- | 1 | 225 | UNCH | 511B | 16A |
| 920 | ---- | ---- | ---- | 550N | 542 - | 6 | .613 | ---- | 14 | 242 - | 14 | 576B | 21 |
| 930 | ---- | ---- | ---- | 621N | 614 - | 5 | .650 | ---- | ---- | 339 | UNCH | 651B | 25 |
| 940 | ---- | ---- | ---- | 696N | 691 - | 5 | .684 | ---- | 1 | 523 - | 1 | 750 | 33A |
| 950 | ---- | ---- | ---- | 775N | 770 - | 5 | .715 | ---- | 1 | 169 | UNCH | 930 | 42A |
| 960 | ---- | ---- | ---- | 856N | 851 - | 5 | .744 | ---- | 2 | 208 - | 1 | 896 | 54A |
| 970 | ---- | ---- | ---- | 941N | 933 - | 6 | .770 | ---- | ---- | 298 | UNCH | 973B | 67 |
| 980 | ---- | ---- | ---- | 1025N | 1020 - | 5 | .794 | ---- | ---- | 242 | UNCH | 1060B | 92A |
| 990 | ---- | ---- | ---- | 1114N | 1105 - | 7 | .814 | ---- | ---- | 121 | UNCH | 1147B | 116A |
| 1000 | ---- | ---- | ---- | 1203N | 1194 - | 7 | .832 | ---- | 4 | 110 | UNCH | 1236B | 147A |
| 1010 | ---- | ---- | ---- | 1293N | 1284 - | 7 | .849 | ---- | ---- | 100 | UNCH | 1261B | 184A |
| 1020 | ---- | ---- | ---- | 1384N | 1376 - | 6 | .865 | ---- | 23 | 284 - | 10 | 1371B | 225A |
| 1030 | ---- | ---- | ---- | 1476N | 1467 - | 7 | .878 | ---- | 2 | 173 - | 2 | 1443B | 272A |
| 1040 | ---- | ---- | ---- | 1571N | 1562 - | 7 | .890 | ---- | ---- | 93 | UNCH | 1532B | 322A |
| 1050 | ---- | ---- | ---- | 1664N | 1655 - | 7 | .901 | ---- | ---- | 102 | UNCH | 1627B | 376A |
| 1060 | ---- | ---- | ---- | 1760N | 1751 - | 7 | .911 | ---- | ---- | 10 | UNCH | 1720B | 435A |
| 1100 | ---- | ---- | ---- | 2144N | 2134 - | 10 | .941 | ---- | ---- | 1 | UNCH | 1965B | 702A |
| TOTAL | | | | | | | | | 143 | 5143 + | 49 | | |
| JAN19 | | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | 23N | 23 | | .066 | ---- | ---- | 3 | UNCH | 14 | 14 |
| 950 | ---- | ---- | ---- | 561N | 546 - | 13 | .710 | ---- | ---- | 1 | UNCH | | |
| 960 | ---- | ---- | ---- | 636N | 623 - | 13 | .753 | ---- | ---- | 3 | UNCH | 250 | 224 |
| 980 | ---- | ---- | ---- | 801N | 786 - | 13 | .826 | ---- | ---- | 91 | UNCH | 334 | 274A |
| TOTAL | | | | | | | | | 0 | 98 | | | |
| FEB19 | | | | | | | | | | | | | |
| 880 | ---- | ---- | ---- | 204N | 197 - | 5 | .348 | ---- | ---- | 110 | UNCH | 160 | 120A |
| TOTAL | | | | | | | | | 0 | 110 | | | |
| MAR19 | | | | | | | | | | | | | |
| 870 | ---- | ---- | ---- | 170N | 164 - | 4 | .303 | ---- | ---- | 2 | UNCH | 90B | 70 |
| 960 | ---- | ---- | ---- | 730N | 714 - | 14 | .680 | ---- | 2 | 1 - | 2 | 200 | 190 |
| 1000 | ---- | ---- | ---- | 1054N | 1040 - | 14 | .785 | ---- | ---- | 30 | UNCH | | |
| TOTAL | | | | | | | | | 2 | 33 - | 2 | | |

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ODF OPT | | | | | | | | | | | |
| SEP18 | ODF OPT | | | | | | | | | | |
| 340 | ---- | ---- | ---- | 1.755N | 1.845 + .90 | .578 | ---- | ---- | 25 UNCH | .900 | .900 |
| 345 | ---- | ---- | ---- | .870N | .855 - .15 | .371 | ---- | ---- | 300 UNCH | ---- | ---- |
| 360 | ---- | ---- | ---- | .540N | .540 UNCH | .250 | ---- | ---- | 200 UNCH | ---- | ---- |
| 385 | ---- | ---- | ---- | .265N | .270 + .5 | .131 | ---- | ---- | 150 UNCH | ---- | ---- |
| 390 | ---- | ---- | ---- | .235N | .235 UNCH | .115 | ---- | ---- | 1260 UNCH | ---- | ---- |
| 420 | ---- | ---- | ---- | .150N | .125 - .25 | .060 | ---- | ---- | 2150 UNCH | ---- | ---- |
| TOTAL | | | | | | | | 0 | 4085 | | |
| SM5 OOC | | | | | | | | | | | |
| SEP18 | SM5 OOC | | | | | | | | | | |
| 100 | .100 | #.100 | *.100 | .100 | .320 + .25 | .476 | ---- | 50 | ---- UNCH | .100 | .100 |
| 500 | ---- | ---- | ---- | .600N | .700 + .100 | .660 | ---- | ---- | 200 UNCH | ---- | ---- |
| 1000 | ---- | ---- | ---- | .25N | .100 + .75 | .176 | ---- | ---- | 200 UNCH | ---- | ---- |
| TOTAL | | | | | | | | 50 | 400 | | |

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# SOYBEAN, CSO SOYBEAN, SOYMEAL, CSO SOYMEAL, SOYBEAN OIL, CSO SOYBEAN OIL, SOYBEAN CRUSH, WHEAT AND CSO WHEAT OPTIONS



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**FINAL**



OPTIONS EOO'S, BLOCKS and EXERCISES

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME | M-T-D BLOCK VOLUME | OPTION EXERCISES | M-T-D OPTION EXERCISES | Transfer VOLUME |
|---|---|---|---|---|---|---|---|
| WHEAT CALL | WHEAT OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| WZ | 510 | ---- | ---- | 365 | ---- | ---- | 0.00 |
| WZ | 555 | ---- | ---- | 500 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 865 | 0 | 0 | 0 |
| WHEAT PUT | WHEAT OPTIONS | | | | | | |
| AUG18 PUT | | | | | | | |
| WZ | 475 | ---- | ---- | 500 | ---- | ---- | 0.00 |
| WZ | 485 | ---- | ---- | 365 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 865 | 0 | 0 | 0 |
| SOYBEAN CALL | SOYBEAN OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| CZO | 900 | ---- | ---- | 646 | ---- | ---- | 0.00 |
| CZO | 920 | ---- | ---- | 646 | ---- | ---- | 0.00 |
| CZO | 940 | ---- | ---- | 450 | ---- | ---- | 0.00 |
| CZO | 950 | ---- | ---- | 646 | ---- | ---- | 0.00 |
| CZO | 980 | ---- | ---- | 319 | ---- | ---- | 0.00 |
| CZO | 990 | ---- | ---- | 327 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 3034 | 0 | 0 | 0 |
| NOV18 CALL | | | | | | | |
| CZO | 1040 | ---- | ---- | 2125 | ---- | ---- | 0.00 |
| CZO | 1100 | ---- | ---- | 2125 | ---- | ---- | 70.00 |
| CZO | 1200 | ---- | ---- | 2000 | ---- | ---- | 184.00 |
| TOTALS | | 254 | 0 | 6250 | 0 | 0 | 254 |
| SOYBEAN PUT | SOYBEAN OPTIONS | | | | | | |
| AUG18 PUT | | | | | | | |
| CZO | 830 | ---- | ---- | 646 | ---- | ---- | 0.00 |
| CZO | 840 | ---- | ---- | 450 | ---- | ---- | 0.00 |
| CZO | 850 | ---- | ---- | 646 | ---- | ---- | 0.00 |
| CZO | 870 | ---- | ---- | 646 | ---- | ---- | 0.00 |
| CZO | 880 | ---- | ---- | 319 | ---- | ---- | 0.00 |
| CZO | 890 | ---- | ---- | 327 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 3034 | 0 | 0 | 0 |
| NOV18 PUT | | | | | | | |
| CZO | 840 | ---- | ---- | 2125 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 2125 | 0 | 0 | 0 |
| SOY BEAN OIL C | SOYBEAN OIL OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| OYC | 295 | ---- | ---- | 250 | ---- | ---- | 0.00 |
| OYC | 300 | ---- | ---- | 250 | ---- | ---- | 0.00 |
| OYC | 310 | ---- | ---- | 200 | ---- | ---- | 0.00 |
| OYC | 315 | ---- | ---- | 300 | ---- | ---- | 0.00 |
| OYC | 330 | ---- | ---- | 500 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 1500 | 0 | 0 | 0 |
| OCT18 CALL | | | | | | | |
| OYC | 340 | ---- | ---- | 100 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 100 | 0 | 0 | 0 |
| DEC18 CALL | | | | | | | |
| OYC | 340 | ---- | ---- | 300 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 300 | 0 | 0 | 0 |
| SOY BEAN OIL P | SOYBEAN OIL OPTIONS | | | | | | |
| AUG18 PUT | | | | | | | |
| OYC | 295 | ---- | ---- | 250 | ---- | ---- | 0.00 |
| OYC | 300 | ---- | ---- | 200 | ---- | ---- | 0.00 |
| OYC | 305 | ---- | ---- | 300 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 750 | 0 | 0 | 0 |
| OCT18 PUT | | | | | | | |
| OYC | 290 | ---- | ---- | 100 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 100 | 0 | 0 | 0 |
| DEC18 PUT | | | | | | | |
| OYC | 290 | ---- | ---- | 300 | ---- | ---- | 0.00 |
| TOTALS | | 0 | 0 | 300 | 0 | 0 | 0 |
| SOY MEAL CALL | SOYBEAN MEAL OPTIONS | | | | | | |
| AUG18 CALL | | | | | | | |
| MY | 310 | ---- | ---- | ---- | ---- | 10 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 10 | 0 |
| NEW CRP SOYBN P | SHORT DATED SOYBEAN OPTIONS | | | | | | |
| AUG18 PUT | | | | | | | |
| SDF | 1010 | ---- | ---- | ---- | ---- | 11 | 0.00 |
| SDF | 1020 | ---- | ---- | ---- | ---- | 2 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 13 | 0 |
| KC HRW PUT | KC WHEAT OPTIONS | | | | | | |
| SEP18 PUT | | | | | | | |
| OKE | 570 | ---- | ---- | ---- | ---- | 10 | 0.00 |
| TOTALS | | 0 | 0 | 0 | 0 | 10 | 0 |

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## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $4.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### 30 DAY FED FUNDS, 10YR SWAP AND 5YR SWAP CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30D FED FUND FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 |
| 30D FED FUND OPT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 |

| EXPIRATION: | JUN18 | SEP18 |
|---|---|---|
| TN FUT | 06/20 | 09/19 |

### 30 DAY FED FUNDS, 10YR, 5YR, 7YR AND 30YR SWAP OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FFC | 968.7-1,007 | 968.7-1,006 | 968.7-1,005 | 967.5-1,005 | 966.2-1,003 | 966.2-998.7 | 965.0-998.7 | 965.0-998.7 | 965.0-998.7 | 963.7-998.7 | 963.7-998.7 | 962.5-998.7 |

### 30 DAY FEDERAL FUND FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE | IMM INDEX DISCOUNT % PT.CHGE.## | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| 30D FED FD FUT | | | | | | | | | | |
| JUN18 | 98.1800 | 98.1800 | 98.1775 | 98.1775 ( 1.82) | UNCH | ---- | 1389 | 142842 - 447 | 99.5550B | 97.9150A |
| JUL18 | 98.0750 | 98.0800 | 98.0700 | 98.0750 ( 1.92) | UNCH | ---- | 17519 | 243717 - 4136 | 99.5350B | 98.0250A |
| AUG18 | 98.0750 | 98.0750 | 98.0700 | 98.0700 ( 1.93) - | 0.0050 | ---- | 15372 | 281297 + 1923 | 99.5150B | 98.0300 |
| SEP18 | 98.0450 | 98.0500 | 98.0450 | 98.0450 ( 1.95) | UNCH | ---- | 8662 | 117445 - 267 | 99.5050B | 98.0050 |
| OCT18 | 97.8900 | 97.9000 | 97.8900 | 97.8950 ( 2.10) + | 0.0050 | ---- | 27046 | 262639 + 7616 | 99.4850B | 97.8400 |
| NOV18 | 97.8800 | 97.8950 | 97.8800 | 97.8900 ( 2.11) + | 0.0100 | ---- | 20087 | 229618 - 166 | 99.4800B | 97.8200 |
| DEC18 | 97.8250 | 97.8400 | 97.8250 | 97.8350 ( 2.16) + | 0.0100 | ---- | 9449 | 72768 + 1364 | 99.4650B | 97.7700 |
| JAN19 | 97.7400 | 97.7600 | 97.7400 | 97.7500 ( 2.25) + | 0.0150 | ---- | 35871 | 212203 + 11599 | 99.4450B | 97.6900 |
| FEB19 | 97.7150 | 97.7350 | 97.7150 | 97.7300 ( 2.27) + | 0.0200 | ---- | 14811 | 144421 + 5703 | 99.4350B | 97.6600 |
| MAR19 | 97.6700 | 97.6950B | 97.6700 | 97.6900 ( 2.31) + | 0.0200 | ---- | 2562 | 26985 + 343 | 99.4200B | 97.6150 |
| APR19 | 97.5950 | 97.6250 | 97.5950 | 97.6200 ( 2.38) + | 0.0250 | ---- | 6648 | 86475 + 748 | 99.4100B | 97.5350 |
| MAY19 | 97.5600 | 97.5900 | 97.5600 | 97.5850 ( 2.41) + | 0.0250 | ---- | 3386 | 48995 + 17 | 99.4000B | 97.5000 |
| JUN19 | 97.5300 | 97.5650 | 97.5300 | 97.5550 ( 2.44) + | 0.0250 | ---- | 1691 | 14773 - 451 | 99.3600B | 97.4600 |
| JUL19 | 97.4800 | 97.5200 | 97.4800 | 97.5100 ( 2.49) + | 0.0300 | ---- | 3674 | 49606 + 828 | 99.1900B | 97.4000 |
| AUG19 | 97.4550 | 97.4950 | 97.4500 | 97.4900 ( 2.51) + | 0.0350 | ---- | 2788 | 16979 - 1395 | 99.1900B | 97.3800 |
| SEP19 | 97.4350 | 97.4800 | 97.4350 | 97.4750 ( 2.52) + | 0.0350 | ---- | 1339 | 9793 + 331 | 99.0500B | 97.3600 |
| OCT19 | 97.4100 | 97.4500 | 97.4050 | 97.4450 ( 2.55) + | 0.0350 | ---- | 2849 | 24631 + 482 | 99.0100B | 97.3100 |
| NOV19 | 97.4200 | 97.4400 | 97.4000A | 97.4350 ( 2.56) + | 0.0400 | ---- | 266 | 10580 + 51 | 98.5800B | 97.3000 |
| DEC19 | 97.3850 | 97.4200 | 97.3800A | 97.4150 ( 2.58) + | 0.0400 | ---- | 200 | 7052 + 44 | 98.5600B | 97.2650A |
| JAN20 | 97.3600 | 97.4100 | 97.3600 | 97.4050 ( 2.59) + | 0.0400 | ---- | 1921 | 46085 + 526 | 98.5450B | 97.2150A |
| FEB20 | 97.3700 | 97.4050B | 97.3600A | 97.4050 ( 2.59) + | 0.0400 | ---- | 101 | 6205 + 83 | 98.5300B | 97.2300A |
| MAR20 | ---- | ---- | ---- | 97.4000 ( 2.60) + | 0.0400 | ---- | ---- | 233 UNCH | 98.5250B | 97.2300A |
| APR20 | ---- | ---- | ---- | 97.3950 ( 2.60) + | 0.0400 | ---- | 17 | 1247 + 8 | 98.5150B | 97.1900A |
| MAY20 | ---- | ---- | ---- | 97.4000 ( 2.60) + | 0.0400 | ---- | 11 | 369 UNCH | 98.5150B | 97.2100A |
| JUN20 | ---- | ---- | ---- | 97.3950 ( 2.60) + | 0.0400 | ---- | 11 | 40 + 11 | 98.5050B | 97.2050A |
| JUL20 | ---- | ---- | ---- | 97.3950 ( 2.60) + | 0.0400 | ---- | ---- | 174 UNCH | 98.4900B | 97.1850A |
| AUG20 | ---- | ---- | ---- | 97.4000 ( 2.60) + | 0.0400 | ---- | 13 | 245 - 2 | 98.4900B | 97.2000A |
| SEP20 | ---- | ---- | ---- | 97.3950 ( 2.60) + | 0.0400 | ---- | 13 | 25 - 10 | 98.1800B | 97.1900A |
| OCT20 | ---- | ---- | ---- | 97.3950 ( 2.60) + | 0.0400 | ---- | ---- | 75 UNCH | 98.0700B | 97.1800A |
| NOV20 | ---- | ---- | ---- | 97.3950 ( 2.60) + | 0.0400 | ---- | ---- | 109 UNCH | 97.9900 | 97.1800A |
| DEC20 | ---- | ---- | ---- | 97.3800 ( 2.62) + | 0.0400 | ---- | ---- | 467 UNCH | 97.8750B | 97.1650A |
| JAN21 | ---- | ---- | ---- | 97.3750 ( 2.62) + | 0.0400 | ---- | ---- | 51 UNCH | 97.6500B | 97.1250 |
| FEB21 | ---- | ---- | ---- | 97.3800 ( 2.62) + | 0.0400 | ---- | ---- | 8 UNCH | 97.5900B | 97.1600A |
| MAR21 | ---- | ---- | ---- | 97.3700 ( 2.63) + | 0.0450 | ---- | ---- | 23 UNCH | 97.5750B | 97.1450A |
| APR21 | ---- | ---- | ---- | 97.3650 ( 2.63) + | 0.0450 | ---- | ---- | 24 UNCH | 97.5650B | 97.1350A |
| MAY21 | ---- | ---- | ---- | 97.3650 ( 2.63) + | 0.0450 | ---- | ---- | 1 UNCH | 97.2500 | 97.2500 |
| TOTAL 30D FED FD FUT | | | | | | 0 | 177696 | 2058200 + 4803 | | |

### ADDITIONAL CBOT INTEREST RATE FUTURES

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE | PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TN FUT | | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | ---- | 128'075 | UNCH | ---- | ---- | 2 UNCH | 133'140B | 125'240 |
| SEP18 | 127'280 | 128'150 | 27'260 | ---- | 128'145 | + 0'185 | 28556 | 168582 | 545025 + 1564 | 129'045 | 124'305A |
| | | | | | | | 28556 | 168582 | 545027 + 1564 | | |

### 30 DAY FEDERAL FUNDS CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30D FED FD CALL | | | | | | | | | | | | | |
| JUN18 30D FED FD CALL | | | | | | | | | | | | | |
| 9818 | ---- | ---- | ---- | CAB | CAB | ---- | .058 | ---- | ---- | 1450 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1450 | | | |

### 30 DAY FEDERAL FUNDS PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | | CONTRACT HIGH | CONTRACT LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30D FED FD PUT | | | | | | | | | | | | | |
| JUN18 30D FED FD PUT | | | | | | | | | | | | | |
| 9818 | ---- | ---- | ---- | 100N | 100 | UNCH | .941 | ---- | ---- | 1450 | UNCH | 275B | ---- |
| TOTAL | | | | | | | | | 0 | 1450 | | | |
| JUL18 30D FED FD PUT | | | | | | | | | | | | | |
| 9806 | ---- | ---- | ---- | 100N | 100 | UNCH | .371 | ---- | ---- | 876 | UNCH | 175 | 25A |
| TOTAL | | | | | | | | | 0 | 876 | | | |
| OCT18 30D FED FD PUT | | | | | | | | | | | | | |
| 9768 | ---- | ---- | ---- | CAB | CAB | ---- | .008 | ---- | ---- | 250 | UNCH | ---- | ---- |
| 9775 | ---- | ---- | ---- | 50N | 50 | UNCH | .094 | ---- | ---- | 500 | UNCH | ---- | ---- |
| 9781 | ---- | ---- | ---- | 175N | 150 - | 25 | .229 | ---- | ---- | 250 | UNCH | ---- | ---- |
| TOTAL | | | | | | | | | 0 | 1000 | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# DJIA AND MINI DOW OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $4.00 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

### DJIA & MINI DOW CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|
| | 06/15 | 09/21 | 12/21 | 03/15 | 06/21 |
| MINI DOW FUT | 06/15 | 09/21 | 12/21 | 03/15 | 06/21 |

| EXPIRATION: | JUN18 | JUL18 | AUG18 |
|---|---|---|---|
| EYM OPT | 06/29 | 07/31 | 08/17 |

### DJIA & MINI DOW OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: WED, JUN 27

| | JUN18 | SEP18 | DEC18 | MAR19 | JUN19 |
|---|---|---|---|---|---|
| OYM | 105.0-375.0 | 115.0-375.0 | 115.0-375.0 | 115.0-375.0 | 120.0-375.0 |

| | JUN18 | JUL18 | AUG18 |
|---|---|---|---|
| EYM | 115.0-375.0 | 115.0-375.0 | |
| YM1 | | 115.0-375.0 | |
| YM3 | | 115.0-375.0 | 115.0-375.0 |

### MINI DOW FUTURES

| | GLOBEX OPEN | GLOBEX HIGH | GLOBEX LOW | SETT. PRICE & PT. CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|
| MINI $5 DOW FUT | | | | | | | | | |
| SEP18 | 24279.00 | 24564.00 | 24079.00 | 24135.00 - 168.00 | ---- | 311825 | 88372 + 2129 | 26731.00B | 22190.00A |
| DEC18 | 24303.00 | 24564.00B | 24099.00A | 24144.00 - 169.00 | ---- | 498 | 519 - 11 | 26607.00B | 23369.00A |
| MAR19 | ---- | 24556.00B | 24143.00A | 24175.00 - 170.00 | ---- | ---- | 22 UNCH | 25275.00 | 23664.00A |
| TOTAL MINI $5 DOW FUT | | | | | 0 | 312323 | 88913 + 2118 | | |

### MINI DOW CALLS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MINI $5 DOW C | | | | | | | | | | | |
| SEP18 | MINI $5 DOW C | | | | | | | | | | |
| 2190 | ---- | 2786.00B | 2435.00A | ---- | 2442.00 - 137.00 | .842 | ---- | ---- | 5 UNCH | 4954.00B | 1315.00 |
| 2200 | ---- | 2695.00B | 2348.00A | ---- | 2354.00 - 135.00 | .834 | ---- | ---- | 1 UNCH | 4863.00B | 1252.00 |
| 2250 | ---- | 2243.00B | 1919.00A | ---- | 1925.00 - 125.00 | .785 | ---- | ---- | 1 UNCH | 4410.00B | 961.00A |
| 2255 | 1991.00 | 2201.00B | 1878.00A | ---- | 1884.00 + NEW | .779 | ---- | 1 | 1 + 1 | 2975.00B | 1603.00 |
| 2300 | ---- | 1812.00B | 1515.00A | ---- | 1520.00 - 113.00 | .721 | ---- | ---- | 2 UNCH | 3965.00B | 1099.00 |
| 2310 | ---- | 1728.00B | 1438.00A | ---- | 1442.00 - 110.00 | .707 | ---- | ---- | 23 UNCH | 3876.00B | 1040.00 |
| 2320 | ---- | 1646.00B | 1361.00A | ---- | 1365.00 - 108.00 | .692 | ---- | ---- | 22 UNCH | 3790.00B | 982.00A |
| 2340 | ---- | 1483.00B | 1212.00A | ---- | 1216.00 - 101.00 | .659 | ---- | ---- | 1 UNCH | 3609.00B | 871.00A |
| 2345 | ---- | 1442.00B | 1176.00A | ---- | 1180.00 - 99.00 | .651 | ---- | ---- | 7 UNCH | 2174.00B | 1014.00 |
| 2355 | ---- | 1364.00B | 1106.00A | ---- | 1108.00 - 96.00 | .633 | ---- | ---- | 1 UNCH | 2098.00B | 956.00A |
| 2365 | ---- | 1286.00B | 1036.00A | ---- | 1038.00 - 93.00 | .614 | ---- | ---- | 1 UNCH | 2023.00B | 898.00A |
| 2400 | ---- | 1026.00B | 806.00A | ---- | 806.00 - 81.00 | .544 | ---- | ---- | 180 UNCH | 3097.00B | 580.00A |
| 2405 | ---- | 991.00B | 774.00A | ---- | 775.00 - 79.00 | .533 | ---- | ---- | 11 UNCH | 1731.00B | 690.00A |
| 2410 | ---- | 955.00B | 744.00A | ---- | 745.00 - 76.00 | .522 | ---- | ---- | 2 UNCH | 3015.00B | 539.00A |
| 2415 | ---- | 921.00B | 692.00A | ---- | 715.00 - 74.00 | .511 | ---- | ---- | 1 UNCH | 1660.00B | 642.00A |
| 2420 | ---- | 886.00B | 663.00A | ---- | 685.00 - 73.00 | .500 | ---- | ---- | 2 UNCH | 2935.00B | 499.00A |
| 2425 | ---- | 852.00B | 635.00A | ---- | 656.00 - 70.00 | .488 | ---- | ---- | 3 UNCH | 1591.00B | 596.00A |
| 2435 | ---- | 787.00B | 579.00A | ---- | 600.00 - 66.00 | .465 | ---- | ---- | 9 UNCH | 1522.00B | 553.00A |
| 2440 | 666.00 | 755.00B | 553.00A | ---- | 573.00 - 63.00 | .453 | ---- | 7 | 22 + 6 | 2769.00B | 532.00A |
| 2445 | ---- | 722.00B | 526.00A | ---- | 546.00 - 61.00 | .441 | ---- | ---- | 2 UNCH | 1455.00B | 511.00A |
| 2450 | 564.00 | 693.00B | 501.00A | ---- | 521.00 - 58.00 | .429 | ---- | 1 | 80 + 1 | 2687.00B | 217.00A |
| 2455 | 652.00 | 661.00B | 476.00A | ---- | 495.00 + NEW | .417 | ---- | 15 | 2 + 2 | 1389.00B | 471.00A |
| 2460 | 604.00 | 632.00B | 452.00A | ---- | 471.00 - 54.00 | .405 | ---- | 2 | 2 - 1 | 2607.00B | 197.00A |
| 2465 | ---- | 603.00B | *429.00A | ---- | 447.00 - 52.00 | .392 | ---- | ---- | 26 UNCH | 1324.00B | 429.00A |
| 2470 | ---- | 574.00B | 406.00A | ---- | 424.00 - 49.00 | .380 | ---- | ---- | 9 UNCH | 2529.00B | 178.00A |
| 2480 | 362.00 | 518.00B | 356.00A | ---- | 379.00 - 46.00 | .355 | ---- | 2 | 31 - 1 | 2449.00B | 161.00A |
| 2485 | ---- | 493.00B | *343.00A | ---- | 357.00 - 45.00 | .342 | ---- | ---- | 7 UNCH | 1199.00B | 343.00A |
| 2490 | ---- | 467.00B | 323.00A | ---- | 337.00 - 43.00 | .330 | ---- | ---- | 40 UNCH | 2369.00B | 146.00A |
| 2495 | ---- | 441.00B | *304.00A | ---- | 317.00 - 41.00 | .317 | ---- | ---- | 3 UNCH | 1138.00B | 304.00A |
| 2500 | 395.00 | 417.00B | 288.00A | ---- | 298.00 - 40.00 | .304 | ---- | 22 | 52 + 4 | 2293.00B | 133.00A |
| 2505 | ---- | 393.00B | *268.00A | ---- | 280.00 - 37.00 | .292 | ---- | ---- | 4 UNCH | 1079.00B | 268.00A |
| 2510 | ---- | 370.00B | 252.00A | ---- | 262.00 - 36.00 | .280 | ---- | ---- | 41 UNCH | 2212.00B | 122.00A |
| 2520 | ---- | 326.00B | 221.00A | ---- | 230.00 - 32.00 | .256 | ---- | ---- | 24 UNCH | 2135.00B | 111.00A |
| 2525 | ---- | 307.00B | *206.00A | ---- | 215.00 - 30.00 | .244 | ---- | ---- | 2 UNCH | 973.00B | 206.00A |
| 2530 | ---- | 287.00B | 193.00A | ---- | 201.00 - 27.00 | .233 | ---- | ---- | 6 UNCH | 2061.00B | 102.00A |
| 2540 | ---- | 250.00B | 167.00A | ---- | 174.00 - 24.00 | .210 | ---- | ---- | 38 UNCH | 1986.00B | 94.00A |
| 2545 | ---- | 233.00B | *155.00A | ---- | 162.00 - 22.00 | .200 | ---- | ---- | 1 UNCH | 863.00B | 155.00A |
| 2550 | 190.00 | 217.00B | 144.00A | ---- | 150.00 - 21.00 | .189 | ---- | 1 | 137 - 1 | 1915.00B | 87.00A |
| 2555 | 138.00 | 201.00B | *138.00 | ---- | 139.00 - 19.00 | .179 | ---- | 3 | 18 - 3 | 810.00B | 138.00 |
| 2560 | ---- | 186.00B | 131.00A | ---- | 129.00 - 18.00 | .169 | ---- | ---- | 14 UNCH | 1840.00B | 80.00A |
| 2565 | ---- | 173.00B | *124.00A | ---- | 119.00 - 17.00 | .159 | ---- | ---- | 14 UNCH | 759.00B | 124.00A |
| 2570 | ---- | 159.00B | *115.00A | ---- | 110.00 - 16.00 | .150 | ---- | ---- | 15 UNCH | 1769.00B | 115.00A |
| 2575 | ---- | 147.00B | *107.00A | ---- | 102.00 - 14.00 | .141 | ---- | ---- | 14 UNCH | 710.00B | 107.00A |
| 2580 | ---- | 136.00B | *99.00A | ---- | 94.00 - 13.00 | .133 | ---- | ---- | 1 UNCH | 1699.00B | 99.00A |
| 2590 | ---- | 115.00B | *85.00A | ---- | 80.00 - 12.00 | .117 | ---- | ---- | 1 UNCH | 1630.00B | 85.00A |
| 2600 | ---- | 97.00B | *71.00A | ---- | 68.00 - 10.00 | .103 | ---- | ---- | 41 UNCH | 1561.00B | 71.00A |
| 2605 | ---- | 89.00B | *68.00A | ---- | 63.00 - 9.00 | .096 | ---- | ---- | 14 UNCH | 575.00B | 68.00A |
| 2610 | ---- | 82.00B | *63.00A | ---- | 58.00 - 9.00 | .090 | ---- | ---- | 24 UNCH | 1497.00B | 63.00A |
| 2615 | ---- | 75.00B | *59.00A | ---- | 53.00 - 8.00 | .084 | ---- | ---- | 14 UNCH | 535.00B | 59.00A |
| 2620 | ---- | 69.00B | *50.00A | ---- | 49.00 - 8.00 | .078 | ---- | ---- | 176 UNCH | 1432.00B | 50.00A |
| 2625 | ---- | 63.00B | *51.00A | ---- | 45.00 - 8.00 | .073 | ---- | ---- | 9 UNCH | 496.00B | 51.00A |
| 2645 | ---- | 45.00B | *38.00A | ---- | 33.00 - 6.00 | .056 | ---- | ---- | 2 UNCH | 424.00B | 38.00A |
| 2650 | ---- | 41.00B | ---- | ---- | 31.00 - 5.00 | .053 | ---- | ---- | 3 UNCH | 1265.00B | 38.00A |
| 2660 | ---- | 35.00B | ---- | ---- | 27.00 - 4.00 | .046 | ---- | ---- | 71 UNCH | 1204.00B | 33.00A |
| 2700 | ---- | ---- | ---- | ---- | 15.00 - 3.00 | .027 | ---- | ---- | 13 UNCH | 956.00B | 21.00A |
| 2750 | ---- | ---- | ---- | ---- | 8.00 - 2.00 | .015 | ---- | ---- | 3 UNCH | 726.00 | 10.00 |
| 2800 | ---- | ---- | ---- | ---- | 4.00 - 2.00 | .007 | ---- | ---- | 48 UNCH | 518.00B | 9.00A |
| 2880 | ---- | ---- | ---- | ---- | 2.00 - 1.00 | .003 | ---- | ---- | 10 UNCH | 289.00B | 5.00A |
| 2900 | ---- | ---- | ---- | ---- | 2.00 UNCH | .003 | ---- | ---- | 15 UNCH | 248.00B | 5.00A |
| 2920 | ---- | ---- | ---- | ---- | 1.00 - 1.00 | .001 | ---- | ---- | 1 UNCH | 212.00B | 17.00A |
| 2950 | ---- | ---- | ---- | ---- | 1.00 UNCH | .001 | ---- | ---- | 48 UNCH | 169.00B | 13.00 |
| 3000 | ---- | ---- | ---- | ---- | 1.00 UNCH | .000 | ---- | ---- | 1 UNCH | 113.00B | 12.00A |
| 3100 | ---- | ---- | ---- | ---- | 1.00 UNCH | .000 | ---- | ---- | 11 UNCH | 25.00 | 9.00A |
| 3200 | ---- | ---- | ---- | ---- | 1.00 UNCH | .000 | ---- | ---- | 1 UNCH | 6.00 | 6.00 |
| 3750 | ---- | ---- | ---- | ---- | 1.00 UNCH | ---- | ---- | ---- | 3 UNCH | 9.00 | 9.00 |
| TOTAL | | | | | | | | 54 | 1387 + 8 | | |
| DEC18 | MINI $5 DOW C | | | | | | | | | | |
| 1980 | ---- | 4872.00B | 4505.00A | ---- | 4512.00 - 143.00 | .902 | ---- | ---- | 5 UNCH | 6979.00B | 4050.00 |
| 2000 | ---- | 4687.00B | 4324.00A | ---- | 4329.00 - 142.00 | .894 | ---- | ---- | 2 UNCH | 6792.00B | 3877.00 |
| 2280 | ---- | 2247.00B | 1975.00A | ---- | 1979.00 - 98.00 | .695 | ---- | ---- | 1 UNCH | 4293.00B | 1725.00 |
| 2290 | ---- | 2168.00B | 1899.00A | ---- | 1905.00 - 96.00 | .684 | ---- | ---- | 1 UNCH | 4208.00B | 1660.00 |
| 2410 | ---- | 1299.00B | 1098.00A | ---- | 1097.00 - 69.00 | .528 | ---- | ---- | 3 UNCH | 3223.00B | 968.00A |

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# DJIA AND MINI DOW OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2415 | ---- | 1266.00B | *1067.00A | ---- | 1068.00 - | 67.00 | .521 | ---- | ---- | 1 | UNCH | 1424.00B | 1067.00 |
| 2420 | ---- | 1233.00B | 1039.00A | ---- | 1038.00 - | 66.00 | .513 | ---- | ---- | 3 | UNCH | 3145.00B | 919.00A |
| 2425 | ---- | 1202.00B | *1009.00A | ---- | 1009.00 - | 65.00 | .505 | ---- | ---- | 10 | UNCH | 1357.00B | 1009.00 |
| 2430 | ---- | 1170.00B | 964.00A | ---- | 980.00 - | 64.00 | .498 | ---- | ---- | 7 | UNCH | 3066.00B | 870.00A |
| 2435 | ---- | 1138.00B | *954.00A | ---- | 952.00 - | 63.00 | .490 | ---- | ---- | 2 | UNCH | 1291.00B | 954.00A |
| 2440 | ---- | 1108.00B | 908.00A | ---- | 924.00 - | 61.00 | .482 | ---- | ---- | 2 | UNCH | 2977.00B | 824.00A |
| 2445 | ---- | 1076.00B | *899.00A | ---- | 897.00 - | 60.00 | .474 | ---- | ---- | 2 | UNCH | 1226.00B | 899.00A |
| 2480 | ---- | 872.00B | 702.00A | ---- | 715.00 - | 52.00 | .417 | ---- | ---- | 5 | UNCH | 2683.00B | 653.00A |
| 2490 | ---- | 818.00B | 655.00A | ---- | 667.00 - | 50.00 | .400 | ---- | ---- | 4 | UNCH | 2609.00B | 612.00A |
| 2500 | ---- | 765.00B | 609.00A | ---- | 621.00 - | 47.00 | .383 | ---- | ---- | 76 | UNCH | 2535.00B | 574.00A |
| 2510 | ---- | 713.00B | 567.00A | ---- | 577.00 - | 45.00 | .367 | ---- | ---- | 28 | UNCH | 2462.00B | 541.00A |
| 2520 | ---- | 665.00B | 526.00A | ---- | 535.00 - | 42.00 | .350 | ---- | ---- | 30 | UNCH | 2380.00B | 506.00A |
| 2530 | ---- | 617.00B | 486.00A | ---- | 494.00 - | 40.00 | .333 | ---- | ---- | 13 | UNCH | 2317.00B | 473.00A |
| 2540 | ---- | 572.00B | 449.00A | ---- | 456.00 - | 37.00 | .316 | ---- | ---- | 11 | UNCH | 2237.00B | 442.00A |
| 2550 | ---- | 528.00B | 414.00A | ---- | 419.00 - | 35.00 | .299 | ---- | ---- | 17 | UNCH | 2167.00B | 412.00A |
| 2560 | ---- | 487.00B | *381.00A | ---- | 385.00 - | 32.00 | .283 | ---- | ---- | 3 | UNCH | 2107.00B | 381.00A |
| 2565 | ---- | 467.00B | *374.00A | ---- | 368.00 - | 31.00 | .274 | ---- | ---- | 4 | UNCH | 563.00B | 374.00A |
| 2570 | ---- | 448.00B | *349.00A | ---- | 352.00 - | 30.00 | .266 | ---- | ---- | 8 | UNCH | 2039.00B | 349.00A |
| 2575 | ---- | 429.00B | *343.00A | ---- | 337.00 - | 28.00 | .259 | ---- | ---- | 4 | UNCH | 521.00B | 343.00A |
| 2580 | ---- | 410.00B | *320.00A | ---- | 322.00 - | 27.00 | .251 | ---- | ---- | 3 | UNCH | 1963.00B | 320.00A |
| 2585 | ---- | 393.00B | *313.00A | ---- | 307.00 - | 26.00 | .243 | ---- | ---- | 5 | UNCH | 481.00B | 313.00A |
| 2590 | ---- | 375.00B | *292.00A | ---- | 293.00 - | 25.00 | .235 | ---- | ---- | 4 | UNCH | 1896.00B | 292.00A |
| 2595 | ---- | 359.00B | *286.00A | ---- | 280.00 - | 24.00 | .227 | ---- | ---- | 3 | UNCH | 442.00B | 286.00A |
| 2600 | ---- | 342.00B | *266.00A | ---- | 267.00 - | 22.00 | .220 | ---- | ---- | 168 | UNCH | 1831.00B | 266.00A |
| 2605 | ---- | 326.00B | *260.00A | ---- | 255.00 - | 21.00 | .213 | ---- | ---- | 2 | UNCH | 407.00B | 260.00A |
| 2610 | ---- | 312.00B | *242.00A | ---- | 243.00 - | 20.00 | .205 | ---- | ---- | 1 | UNCH | 1766.00B | 242.00A |
| 2650 | ---- | 209.00B | *168.00A | ---- | 163.00 - | 12.00 | .153 | ---- | ---- | 14 | UNCH | 1578.00B | 168.00A |
| 2670 | ---- | 170.00B | 138.00A | ---- | 133.00 - | 10.00 | .130 | ---- | ---- | 2 | UNCH | 1490.00 | 135.00 |
| 2700 | ---- | 123.00B | *103.00A | ---- | 98.00 - | 6.00 | .102 | ---- | ---- | 69 | UNCH | 1244.00B | 103.00A |
| 2750 | ---- | 71.00B | ---- | ---- | 59.00 - | 4.00 | .067 | ---- | ---- | 20 | UNCH | 990.00B | 67.00A |
| 2760 | ---- | 64.00B | ---- | ---- | 54.00 - | 4.00 | .062 | ---- | ---- | 4 | UNCH | 945.00B | 62.00A |
| 2800 | ---- | 43.00B | ---- | ---- | 38.00 - | 2.00 | .045 | ---- | ---- | 51 | UNCH | 773.00B | 45.00A |
| 2810 | ---- | 39.00B | ---- | ---- | 35.00 - | 2.00 | .042 | ---- | ---- | 64 | UNCH | 733.00B | 42.00A |
| 2820 | ---- | 36.00B | ---- | ---- | 32.00 - | 3.00 | .038 | ---- | ---- | 1 | UNCH | 695.00B | 40.00A |
| 2830 | ---- | ---- | ---- | ---- | 30.00 - | 2.00 | .036 | ---- | ---- | 30 | UNCH | 658.00B | 37.00A |
| 2850 | ---- | ---- | ---- | ---- | 26.00 - | 2.00 | .031 | ---- | ---- | 30 | UNCH | 589.00B | 33.00A |
| 2870 | ---- | ---- | ---- | ---- | 23.00 - | 2.00 | .028 | ---- | ---- | 21 | UNCH | 524.00B | 30.00A |
| 2880 | ---- | ---- | ---- | ---- | 22.00 - | 1.00 | .027 | ---- | ---- | 21 | UNCH | 494.00B | 28.00A |
| 2900 | ---- | ---- | ---- | ---- | 19.00 - | 2.00 | .023 | ---- | ---- | 20 | UNCH | 440.00B | 26.00A |
| 2990 | ---- | ---- | ---- | ---- | 13.00 - | 2.00 | .015 | ---- | ---- | 2 | UNCH | 246.00B | 32.00A |
| 3000 | ---- | ---- | ---- | ---- | 12.00 - | 2.00 | .014 | ---- | ---- | 20 | UNCH | 230.00B | 18.00A |
| 3200 | ---- | ---- | ---- | ---- | 6.00 - | 1.00 | .006 | ---- | ---- | 2 | UNCH | 65.00 | 11.00A |
| TOTAL | | | | | | | | | 0 | 799 | | | |
| MAR19 | | | | | | | | | | | | | |
| 2300 | ---- | 2310.00B | 2076.00A | ---- | 2088.00 - | 88.00 | .656 | ---- | ---- | 1 | UNCH | 2985.00B | 1849.00 |
| 2350 | ---- | 1952.00B | 1737.00A | ---- | 1750.00 - | 78.00 | .605 | ---- | ---- | 1 | UNCH | 2596.00B | 1550.00 |
| 2420 | ---- | 1489.00B | 1306.00A | ---- | 1305.00 - | 68.00 | .524 | ---- | ---- | 4 | UNCH | 2079.00B | 1168.00 |
| 2430 | ---- | 1428.00B | 1249.00A | ---- | 1246.00 - | 66.00 | .511 | ---- | ---- | 10 | UNCH | 2007.00B | 1118.00 |
| 2440 | ---- | 1366.00B | 1172.00A | ---- | 1189.00 - | 64.00 | .499 | ---- | ---- | 1 | UNCH | 1939.00B | 1069.00 |
| 2450 | ---- | 1306.00B | 1117.00A | ---- | 1133.00 - | 62.00 | .486 | ---- | ---- | 1 | UNCH | 1869.00B | 1020.00 |
| 2460 | ---- | 1248.00B | 1063.00A | ---- | 1080.00 - | 60.00 | .473 | ---- | ---- | 4 | UNCH | 1802.00B | 980.00A |
| 2470 | ---- | 1192.00B | 1010.00A | ---- | 1028.00 - | 58.00 | .460 | ---- | ---- | 5 | UNCH | 1733.00B | 929.00A |
| 2480 | ---- | 1137.00B | 959.00A | ---- | 978.00 - | 55.00 | .447 | ---- | ---- | 14 | UNCH | 1673.00B | 891.00A |
| 2490 | ---- | 1082.00B | 909.00A | ---- | 929.00 - | 53.00 | .434 | ---- | ---- | 5 | UNCH | 1611.00B | 842.00A |
| 2500 | ---- | 1029.00B | 860.00A | ---- | 880.00 - | 51.00 | .420 | ---- | ---- | 5 | UNCH | 1542.00B | 803.00A |
| 2510 | ---- | 975.00B | 813.00A | ---- | 833.00 - | 48.00 | .407 | ---- | ---- | 17 | UNCH | 1490.00 | 762.00A |
| 2520 | ---- | 923.00B | 769.00A | ---- | 786.00 - | 45.00 | .393 | ---- | ---- | 11 | UNCH | 1422.00B | 723.00A |
| 2530 | ---- | 873.00B | 724.00A | ---- | 741.00 - | 42.00 | .379 | ---- | ---- | 33 | UNCH | 1424.00B | 690.00A |
| 2540 | ---- | 821.00B | 682.00A | ---- | 697.00 - | 40.00 | .366 | ---- | ---- | 20 | UNCH | 1415.00B | 655.00A |
| 2550 | ---- | 773.00B | 641.00A | ---- | 655.00 - | 37.00 | .352 | ---- | ---- | 30 | UNCH | 1369.00B | 620.00A |
| 2560 | ---- | 728.00B | 602.00A | ---- | 614.00 - | 36.00 | .338 | ---- | ---- | 19 | UNCH | 1316.00B | 587.00A |
| 2570 | ---- | 685.00B | 564.00A | ---- | 576.00 - | 33.00 | .324 | ---- | ---- | 8 | UNCH | 1262.00B | 552.00A |
| 2580 | ---- | 643.00B | 528.00A | ---- | 539.00 - | 31.00 | .311 | ---- | ---- | 1 | UNCH | 1210.00B | 521.00A |
| 2590 | ---- | 602.00B | 494.00A | ---- | 503.00 - | 30.00 | .297 | ---- | ---- | 1 | UNCH | 1165.00B | 491.00A |
| 2650 | ---- | 392.00B | *322.00A | ---- | 325.00 - | 18.00 | .220 | ---- | ---- | 5 | UNCH | 878.00B | 322.00A |
| 2890 | ---- | 53.00B | ---- | ---- | 51.00 - | 1.00 | .049 | ---- | ---- | 14 | UNCH | 184.00B | 60.00A |
| 2900 | ---- | ---- | ---- | ---- | 48.00 - | 1.00 | .046 | ---- | ---- | 17 | UNCH | 173.00B | 57.00A |
| 2910 | ---- | ---- | ---- | ---- | 45.00 - | 1.00 | .044 | ---- | ---- | 7 | UNCH | 161.00B | 54.00A |
| TOTAL | | | | | | | | | 0 | 234 | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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## FINAL



### MINI DOW PUTS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MINI $5 DOW P | | | | | | | | | | | |
| SEP18 | MINI $5 DOW P | | | | | | | | | | |
| 1150 | ---- | ---- | ---- | ---- | 2.00 UNCH | .001 | ---- | ---- | 1 UNCH | 15.00B | 10.00 |
| 1300 | ---- | ---- | ---- | ---- | 4.00 UNCH | .002 | ---- | ---- | 50 UNCH | 33.00B | 15.00 |
| 1350 | ---- | ---- | ---- | ---- | 5.00 UNCH | .002 | ---- | ---- | 25 UNCH | 45.00B | 12.00 |
| 1400 | ---- | ---- | ---- | ---- | 7.00 UNCH | .003 | ---- | ---- | 110 UNCH | 61.00B | 5.00A |
| 1600 | ---- | ---- | ---- | ---- | 15.00 + 2.00 | .009 | ---- | ---- | 199 UNCH | 160.00 | 5.00 |
| 1650 | ---- | ---- | ---- | ---- | 18.00 + 2.00 | .011 | ---- | ---- | 5 UNCH | 190.00B | 22.00A |
| 1700 | ---- | ---- | ---- | ---- | 22.00 + 3.00 | .014 | ---- | ---- | 40 UNCH | 226.00B | 25.00A |
| 1790 | ---- | 29.00B | ---- | ---- | 32.00 + 4.00 | .021 | ---- | ---- | 2 UNCH | 301.00B | 31.00A |
| 1800 | ---- | 30.00B | ---- | ---- | 33.00 + 4.00 | .022 | ---- | ---- | 1 UNCH | 311.00B | 32.00A |
| 1840 | ---- | 37.00B | *34.00A | ---- | 39.00 + 4.00 | .026 | ---- | ---- | 1 UNCH | 351.00B | 34.00A |
| 1900 | ---- | 49.00B | 42.00A | ---- | 51.00 + 6.00 | .035 | ---- | ---- | 1 UNCH | 428.00B | 39.00A |
| 1940 | ---- | 59.00B | 49.00A | ---- | 62.00 + 8.00 | .043 | ---- | ---- | 1 UNCH | 479.00B | 45.00A |
| 1980 | ---- | 72.00B | 57.00A | ---- | 75.00 + 10.00 | .053 | ---- | ---- | 1 UNCH | 593.00B | 46.00A |
| 2000 | ---- | 77.00B | 60.00A | ---- | 82.00 + 11.00 | .058 | ---- | ---- | 1 UNCH | 627.00B | 47.00A |
| 2020 | ---- | 88.00B | 68.00A | ---- | 91.00 + 13.00 | .065 | ---- | ---- | 1 UNCH | 662.00B | 53.00A |
| 2030 | ---- | 93.00B | 71.00A | ---- | 95.00 + 13.00 | .068 | ---- | ---- | 1 UNCH | 681.00B | 54.00A |
| 2040 | ---- | 98.00B | 74.00A | ---- | 100.00 + 14.00 | .072 | ---- | ---- | 1 UNCH | 700.00B | 56.00A |
| 2080 | ---- | 120.00B | 89.00A | ---- | 122.00 + 17.00 | .088 | ---- | ---- | 1 UNCH | 780.00B | 65.00A |
| 2100 | ---- | 133.00B | 98.00A | ---- | 135.00 + 19.00 | .098 | ---- | ---- | 15 UNCH | 823.00B | 71.00A |
| 2110 | ---- | 140.00B | 103.00A | ---- | 142.00 + 20.00 | .103 | ---- | ---- | 1 UNCH | 845.00B | 73.00A |
| 2130 | ---- | 156.00B | 113.00A | ---- | 157.00 + 22.00 | .114 | ---- | ---- | 1 UNCH | 892.00B | 79.00A |
| 2140 | ---- | 164.00B | 119.00A | ---- | 165.00 + 23.00 | .120 | ---- | ---- | 1 UNCH | 916.00B | 83.00A |
| 2150 | ---- | 173.00B | 125.00A | ---- | 174.00 + 24.00 | .127 | ---- | ---- | 10 UNCH | 940.00B | 86.00A |
| 2170 | ---- | 193.00B | 138.00A | ---- | 193.00 + 27.00 | .141 | ---- | ---- | 5 UNCH | 997.00B | 94.00A |
| 2180 | ---- | 203.00B | 145.00A | ---- | 204.00 + 29.00 | .149 | ---- | ---- | 1 UNCH | 1031.00B | 98.00A |
| 2200 | ---- | 227.00B | 161.00A | ---- | 227.00 + 33.00 | .165 | ---- | ---- | 107 UNCH | 1102.00B | 107.00A |
| 2210 | ---- | 239.00B | 169.00A | ---- | 239.00 + 34.00 | .174 | ---- | ---- | 5 UNCH | 1140.00B | 112.00A |
| 2220 | ---- | 253.00B | 178.00A | ---- | 252.00 + 36.00 | .183 | ---- | ---- | 4 UNCH | 1178.00B | 117.00A |
| 2230 | ---- | 267.00B | 187.00A | ---- | 266.00 + 38.00 | .193 | ---- | ---- | 2 UNCH | 1218.00B | 122.00A |
| 2240 | ---- | 282.00B | 198.00A | ---- | 281.00 + 40.00 | .204 | ---- | ---- | 3 UNCH | 1260.00B | 128.00A |
| 2245 | ---- | 289.00B | 203.00A | ---- | 288.00 + 41.00 | .209 | ---- | ---- | 5 UNCH | 965.00B | 131.00A |
| 2250 | ---- | 298.00B | 209.00A | ---- | 296.00 + 42.00 | .214 | ---- | ---- | 47 UNCH | 1303.00B | 135.00A |
| 2255 | ---- | 306.00B | 214.00A | ---- | 304.00 + 43.00 | .220 | ---- | ---- | 4 UNCH | 998.00B | 138.00A |
| 2265 | ---- | 322.00B | 226.00A | ---- | 321.00 + 45.00 | .232 | ---- | ---- | 1 UNCH | 1031.00B | 145.00A |
| 2270 | ---- | 332.00B | 233.00A | ---- | 330.00 + 46.00 | .238 | ---- | ---- | 5 UNCH | 1393.00B | 148.00A |
| 2275 | ---- | 341.00B | 239.00A | ---- | 339.00 + 47.00 | .244 | ---- | ---- | 1 UNCH | 1065.00B | 152.00A |
| 2280 | 265.00 | 351.00B | 246.00A | ---- | 349.00 + 49.00 | .251 | ---- | 15 | 15 + 15 | 1336.00B | 156.00A |
| 2285 | ---- | 360.00B | 253.00A | ---- | 358.00 + 50.00 | .257 | ---- | ---- | 1 UNCH | 1099.00B | 160.00A |
| 2290 | ---- | 370.00B | 260.00A | ---- | 368.00 + 51.00 | .264 | ---- | ---- | 1 UNCH | 1366.00B | 164.00A |
| 2295 | ---- | 380.00B | 267.00A | ---- | 378.00 + 52.00 | .271 | ---- | ---- | 2 UNCH | 1135.00B | 168.00A |
| 2300 | 270.00 | 392.00B | 270.00 | ---- | 389.00 + 54.00 | .278 | ---- | 5 | 86 + 5 | 1404.00B | 172.00A |
| 2305 | ---- | 402.00B | 282.00A | ---- | 400.00 + 56.00 | .285 | ---- | ---- | 1 UNCH | 1172.00B | 177.00A |
| 2315 | ---- | 424.00B | 298.00A | ---- | 422.00 + 58.00 | .300 | ---- | ---- | 15 UNCH | 1209.00B | 186.00A |
| 2320 | ---- | 437.00B | 306.00A | ---- | 434.00 + 60.00 | .307 | ---- | ---- | 8 UNCH | 1481.00B | 191.00A |
| 2325 | ---- | 448.00B | 315.00A | ---- | 446.00 + 62.00 | .315 | ---- | ---- | 1 UNCH | 1245.00B | 196.00A |
| 2330 | ---- | 462.00B | 324.00A | ---- | 458.00 + 63.00 | .323 | ---- | ---- | 2 UNCH | 1518.00B | 201.00A |
| 2335 | ---- | 473.00B | 333.00A | ---- | 471.00 + 65.00 | .332 | ---- | ---- | 1 UNCH | 1287.00B | 206.00A |
| 2340 | ---- | 488.00B | 342.00A | ---- | 484.00 + 66.00 | .340 | ---- | ---- | 10 UNCH | 1556.00B | 212.00A |
| 2345 | ---- | 501.00B | 352.00A | ---- | 497.00 + 68.00 | .348 | ---- | ---- | 2 UNCH | 1328.00B | 217.00A |
| 2350 | 363.00 | 515.00B | 362.00A | ---- | 511.00 + 69.00 | .357 | ---- | 1 | 48 UNCH | 1595.00B | 223.00A |
| 2355 | ---- | 529.00B | 372.00A | ---- | 525.00 + 71.00 | .366 | ---- | ---- | 5 UNCH | 1369.00B | 229.00A |
| 2360 | ---- | 543.00B | 384.00A | ---- | 540.00 + 73.00 | .375 | ---- | ---- | 13 UNCH | 1634.00B | 235.00A |
| 2365 | ---- | 559.00B | 395.00A | ---- | 555.00 + 75.00 | .385 | ---- | ---- | 2 UNCH | 1413.00B | 242.00A |
| 2370 | ---- | 575.00B | 406.00A | ---- | 570.00 + 76.00 | .394 | ---- | ---- | 15 UNCH | 1675.00B | 248.00A |
| 2375 | ---- | 591.00B | 418.00A | ---- | 586.00 + 78.00 | .404 | ---- | ---- | 2 UNCH | 1457.00B | 255.00A |
| 2380 | ---- | 607.00B | 430.00A | ---- | 602.00 + 79.00 | .414 | ---- | ---- | 35 UNCH | 1716.00B | 262.00A |
| 2385 | ---- | 624.00B | 442.00A | ---- | 619.00 + 81.00 | .424 | ---- | ---- | 1 UNCH | 1503.00B | 270.00A |
| 2390 | ---- | 642.00B | 455.00A | ---- | 636.00 + 83.00 | .434 | ---- | ---- | 2 UNCH | 1758.00B | 277.00A |
| 2395 | ---- | 660.00B | 469.00A | ---- | 654.00 + 85.00 | .444 | ---- | ---- | 1 UNCH | 1549.00B | 286.00A |
| 2400 | ---- | 678.00B | 483.00A | ---- | 672.00 + 87.00 | .455 | ---- | ---- | 96 UNCH | 1802.00B | 294.00A |
| 2405 | ---- | 697.00B | 496.00A | ---- | 691.00 + 89.00 | .466 | ---- | ---- | 1 UNCH | 1598.00B | 302.00A |
| 2410 | ---- | 716.00B | 512.00A | ---- | 710.00 + 91.00 | .477 | ---- | ---- | 21 UNCH | 1846.00B | 311.00A |
| 2415 | ---- | 736.00B | 526.00A | ---- | 729.00 + 92.00 | .488 | ---- | ---- | 2 UNCH | 1647.00B | 320.00A |
| 2420 | 712.00 | 756.00B | 542.00A | ---- | 750.00 + 95.00 | .499 | ---- | 3 | 6 + 3 | 1892.00B | 328.00A |
| 2425 | ---- | 777.00B | 559.00A | ---- | 771.00 + 97.00 | .511 | ---- | ---- | 7 UNCH | 1698.00B | 338.00A |
| 2430 | ---- | 799.00B | 574.00A | ---- | 792.00 + 99.00 | .522 | ---- | ---- | 5 UNCH | 1939.00B | 348.00A |
| 2435 | ---- | 821.00B | 592.00A | ---- | 814.00 + 102.00 | .534 | ---- | ---- | 2 UNCH | 1750.00B | 358.00A |
| 2440 | ---- | 843.00B | 609.00A | ---- | 837.00 + 104.00 | .546 | ---- | ---- | 6 UNCH | 1987.00B | 363.00 |
| 2445 | ---- | 867.00B | 628.00A | ---- | 860.00 + 106.00 | .558 | ---- | ---- | 1 UNCH | 1804.00B | 380.00A |
| 2450 | 780.00 | 891.00B | 646.00A | ---- | 884.00 + 109.00 | .570 | ---- | 2 | 154 + 1 | 1998.00B | 391.00A |
| 2455 | ---- | 916.00B | 666.00A | ---- | 909.00 + 111.00 | .582 | ---- | ---- | 17 UNCH | 1860.00B | 402.00A |
| 2460 | ---- | 941.00B | 686.00A | ---- | 934.00 + 113.00 | .594 | ---- | ---- | 5 UNCH | 1963.00B | 414.00A |
| 2465 | ---- | 967.00B | 706.00A | ---- | 960.00 + 116.00 | .607 | ---- | ---- | 21 UNCH | 1917.00B | 427.00A |
| 2470 | ---- | 994.00B | 728.00A | ---- | 986.00 + 117.00 | .619 | ---- | ---- | 4 UNCH | 2013.00B | 439.00A |
| 2475 | ---- | 1019.00B | 751.00A | ---- | 1013.00 + 119.00 | .632 | ---- | ---- | 1 UNCH | 1975.00B | 453.00A |
| 2480 | ---- | 1049.00B | 773.00A | ---- | 1041.00 + 121.00 | .644 | ---- | ---- | 11 UNCH | 2065.00B | 467.00A |
| 2485 | ---- | 1077.00B | 797.00A | ---- | 1070.00 + 123.00 | .657 | ---- | ---- | 1 UNCH | 2034.00B | 481.00A |
| 2490 | ---- | 1107.00B | 820.00A | ---- | 1099.00 + 124.00 | .669 | ---- | ---- | 5 UNCH | 2118.00B | 496.00A |
| 2495 | ---- | 1136.00B | 845.00A | ---- | 1129.00 + 126.00 | .682 | ---- | ---- | 5 UNCH | 2096.00B | 511.00A |
| 2500 | ---- | 1168.00B | 871.00A | ---- | 1160.00 + 128.00 | .695 | ---- | ---- | 116 UNCH | 2172.00B | 528.00A |
| 2505 | ---- | 1199.00B | 897.00A | ---- | 1191.00 + 129.00 | .707 | ---- | ---- | 4 UNCH | 2159.00B | 545.00A |
| 2510 | ---- | 1232.00B | 924.00A | ---- | 1224.00 + 132.00 | .719 | ---- | ---- | 1 UNCH | 2227.00B | 561.00A |
| 2515 | ---- | 1264.00B | 952.00A | ---- | 1257.00 + 134.00 | .731 | ---- | ---- | 1 UNCH | 2224.00B | 577.00A |
| 2520 | ---- | 1298.00B | 981.00A | ---- | 1291.00 + 136.00 | .743 | ---- | ---- | 2 UNCH | 2283.00B | 595.00A |
| 2525 | ---- | 1333.00B | 1010.00A | ---- | 1326.00 + 138.00 | .755 | ---- | ---- | 2 UNCH | 2290.00B | 610.00A |
| 2530 | ---- | 1368.00B | 1041.00A | ---- | 1361.00 + 139.00 | .766 | ---- | ---- | 13 UNCH | 2341.00B | 631.00A |
| 2540 | ---- | 1442.00B | 1103.00A | ---- | 1434.00 + 143.00 | .789 | ---- | ---- | 2 UNCH | 2400.00B | 670.00A |
| 2550 | ---- | 1516.00B | 1171.00A | ---- | 1510.00 + 146.00 | .810 | ---- | ---- | 3 UNCH | 2463.00B | 712.00A |
| 2560 | ---- | 1596.00B | 1239.00A | ---- | 1589.00 + 150.00 | .830 | ---- | ---- | 1 UNCH | 2535.00B | 758.00A |
| 2570 | ---- | 1677.00B | 1313.00A | ---- | 1670.00 + 152.00 | .849 | ---- | ---- | 1 UNCH | 2610.00B | 804.00A |
| 2590 | ---- | 1844.00B | 1468.00A | ---- | 1839.00 + 156.00 | .882 | ---- | ---- | 1 UNCH | 2762.00B | 907.00A |
| 2600 | ---- | 1934.00B | 1552.00A | ---- | 1927.00 + 158.00 | .896 | ---- | ---- | 9 UNCH | 2843.00B | 935.00A |
| 2620 | ---- | 2113.00B | 1724.00A | ---- | 2108.00 + 160.00 | .921 | ---- | ---- | 3 UNCH | 3019.00B | 1001.00 |
| 2635 | ---- | 2252.00B | 1856.00A | ---- | 2247.00 + 161.00 | .935 | ---- | ---- | 5 UNCH | 3128.00B | 1193.00 |
| 2640 | ---- | 2300.00B | 1902.00A | ---- | 2294.00 + 162.00 | .939 | ---- | ---- | 5 UNCH | 3171.00B | 1071.00 |
| 2660 | ---- | 2488.00B | 2090.00A | ---- | 2485.00 + 164.00 | .953 | ---- | ---- | 7 UNCH | 3344.00B | 1118.00 |
| 2670 | ---- | 2585.00B | 2182.00A | ---- | 2581.00 + 164.00 | .959 | ---- | ---- | 8 UNCH | 3431.00B | 1155.00 |
| 2680 | ---- | 2682.00B | 2280.00A | ---- | 2678.00 + 164.00 | .964 | ---- | ---- | 17 UNCH | 3521.00B | 1196.00 |
| 2690 | ---- | 2780.00B | 2375.00A | ---- | 2775.00 + 164.00 | .968 | ---- | ---- | 2 UNCH | 3611.00B | 1240.00 |
| TOTAL | | | | | | | | 26 | 1503 + 24 | | |
| DEC18 | MINI $5 DOW P | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | ---- | 7.00 + 2.00 | .003 | ---- | ---- | 1 UNCH | 33.00B | 30.00 |
| 1500 | ---- | ---- | ---- | ---- | 26.00 + 3.00 | .012 | ---- | ---- | 1 UNCH | 128.00B | 33.00A |
| 1600 | ---- | 37.00B | ---- | ---- | 40.00 + 5.00 | .019 | ---- | ---- | 50 UNCH | 188.00B | 25.00 |
| 1800 | ---- | 90.00B | 75.00A | ---- | 94.00 + 13.00 | .046 | ---- | ---- | 54 UNCH | 358.00B | 62.00A |
| 1900 | ---- | 138.00B | 112.00A | ---- | 142.00 + 19.00 | .070 | ---- | ---- | 150 UNCH | 471.00B | 89.00A |
| 1910 | ---- | 144.00B | 116.00A | ---- | 148.00 + 20.00 | .073 | ---- | ---- | 1 UNCH | 458.00B | 92.00A |
| 1950 | ---- | 170.00B | 136.00A | ---- | 174.00 + 23.00 | .086 | ---- | ---- | 20 UNCH | 729.00B | 107.00A |
| 2000 | ---- | 210.00B | 167.00A | ---- | 213.00 + 27.00 | .105 | ---- | ---- | 20 UNCH | 823.00B | 128.00A |
| 2070 | ---- | 280.00B | 220.00A | ---- | 282.00 + 34.00 | .139 | ---- | ---- | 1 UNCH | 972.00B | 166.00A |
| 2100 | ---- | 316.00B | 249.00A | ---- | 318.00 + 38.00 | .156 | ---- | ---- | 4 UNCH | 1042.00B | 186.00A |
| 2140 | ---- | 371.00B | 292.00A | ---- | 373.00 + 44.00 | .182 | ---- | ---- | 7 UNCH | 1143.00B | 216.00A |
| 2170 | ---- | 418.00B | 329.00A | ---- | 420.00 + 48.00 | .203 | ---- | ---- | 7 UNCH | 1224.00B | 242.00A |
| 2190 | ---- | 452.00B | 356.00A | ---- | 455.00 + 52.00 | .219 | ---- | ---- | 1 UNCH | 1281.00B | 262.00A |
| 2200 | ---- | 469.00B | 371.00A | ---- | 473.00 + 54.00 | .228 | ---- | ---- | 12 UNCH | 1310.00B | 272.00A |
| 2300 | ---- | 695.00B | 551.00A | ---- | 696.00 + 74.00 | .326 | ---- | ---- | 160 UNCH | 1636.00B | 400.00A |
| 2320 | ---- | 751.00B | 596.00A | ---- | 751.00 + 78.00 | .349 | ---- | ---- | 1 UNCH | 1709.00B | 432.00A |
| 2350 | ---- | 842.00B | 671.00A | ---- | 842.00 + 86.00 | .387 | ---- | ---- | 5 UNCH | 1823.00B | 484.00A |
| 2360 | ---- | 875.00B | 698.00A | ---- | 874.00 + 88.00 | .400 | ---- | ---- | 5 UNCH | 1863.00B | 504.00A |
| 2370 | ---- | 908.00B | 726.00A | ---- | 907.00 + 90.00 | .413 | ---- | ---- | 5 UNCH | 1903.00B | 523.00A |
| 2380 | 817.00 | 943.00B | 755.00A | ---- | 942.00 + 92.00 | .427 | ---- | 1 | 1 UNCH | 1944.00B | 544.00A |
| 2400 | 1000.00 | 1017.00B | 816.00A | ---- | 1015.00 + 97.00 | .456 | ---- | 34 | 154 + 34 | 2028.00B | 588.00A |
| 2410 | ---- | 1056.00B | 850.00A | ---- | 1054.00 + 100.00 | .471 | ---- | ---- | 2 UNCH | 2072.00B | 611.00A |
| 2420 | ---- | 1096.00B | 884.00A | ---- | 1094.00 + 102.00 | .486 | ---- | ---- | 1 UNCH | 2116.00B | 636.00A |
| 2430 | ---- | 1137.00B | 920.00A | ---- | 1135.00 + 104.00 | .501 | ---- | ---- | 1 UNCH | 2162.00B | 661.00A |
| 2450 | ---- | 1226.00B | 995.00A | ---- | 1223.00 + 109.00 | .533 | ---- | ---- | 1 UNCH | 2256.00B | 714.00A |
| 2460 | ---- | 1273.00B | 1033.00A | ---- | 1269.00 + 111.00 | .549 | ---- | ---- | 2 UNCH | 2305.00B | 743.00A |
| 2470 | ---- | 1318.00B | 1075.00A | ---- | 1317.00 + 114.00 | .565 | ---- | ---- | 3 UNCH | 2355.00B | 772.00A |
| 2500 | ---- | 1474.00B | 1209.00A | ---- | 1471.00 + 121.00 | .616 | ---- | ---- | 102 UNCH | 2333.00B | 868.00A |
| 2510 | ---- | 1529.00B | 1257.00A | ---- | 1526.00 + 123.00 | .632 | ---- | ---- | 12 UNCH | 2386.00B | 904.00A |
| 2520 | ---- | 1585.00B | 1307.00A | ---- | 1583.00 + 126.00 | .649 | ---- | ---- | 5 UNCH | 2451.00B | 941.00A |
| 2530 | ---- | 1644.00B | 1358.00A | ---- | 1642.00 + 129.00 | .666 | ---- | ---- | 13 UNCH | 2512.00B | 978.00A |
| 2540 | ---- | 1706.00B | 1414.00A | ---- | 1702.00 + 130.00 | .683 | ---- | ---- | 2 UNCH | 2574.00B | 1018.00 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# DJIA AND MINI DOW OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2560 | ---- | 1832.00B | 1526.00A | ---- | 1830.00 | + | 136.00 | .716 | ---- | ---- | 5 | UNCH | 2702.00B | 1102.00 |
| 2570 | ---- | 1899.00B | 1588.00A | ---- | 1897.00 | + | 138.00 | .733 | ---- | ---- | 11 | UNCH | 2768.00B | 1145.00 |
| 2580 | ---- | 1967.00B | 1649.00A | ---- | 1966.00 | + | 141.00 | .748 | ---- | ---- | 2 | UNCH | 2836.00B | 1176.00 |
| 2590 | ---- | 2039.00B | 1714.00A | ---- | 2037.00 | + | 143.00 | .764 | ---- | ---- | 3 | UNCH | 2905.00B | 1209.00 |
| 2600 | ---- | 2111.00B | 1781.00A | ---- | 2110.00 | + | 146.00 | .779 | ---- | ---- | 119 | UNCH | 2975.00B | 1240.00 |
| 2620 | ---- | 2264.00B | 1921.00A | ---- | 2262.00 | + | 151.00 | .808 | ---- | ---- | 3 | UNCH | 3119.00B | 1301.00 |
| 2630 | ---- | 2343.00B | 1994.00A | ---- | 2340.00 | + | 152.00 | .821 | ---- | ---- | 6 | UNCH | 3193.00B | 1336.00 |
| 2640 | ---- | 2423.00B | 2070.00A | ---- | 2421.00 | + | 154.00 | .834 | ---- | ---- | 4 | UNCH | 3269.00B | 1372.00 |
| 2650 | ---- | 2504.00B | 2145.00A | ---- | 2503.00 | + | 156.00 | .846 | ---- | ---- | 4 | UNCH | 3346.00B | 1409.00 |
| 2660 | ---- | 2587.00B | 2223.00A | ---- | 2587.00 | + | 158.00 | .858 | ---- | ---- | 7 | UNCH | 3424.00B | 1447.00 |
| 2670 | ---- | 2673.00B | 2304.00A | ---- | 2672.00 | + | 159.00 | .869 | ---- | ---- | 31 | UNCH | 3503.00B | 1486.00 |
| 2760 | ---- | 3493.00B | 3098.00A | ---- | 3491.00 | + | 165.00 | .937 | ---- | ---- | 12 | UNCH | 4268.00B | 1861.00 |
| 2840 | ---- | 4267.00B | 3865.00A | ---- | 4266.00 | + | 167.00 | .965 | ---- | ---- | 5 | UNCH | 5006.00B | 2404.00 |
| 2850 | ---- | 4366.00B | 3964.00A | ---- | 4364.00 | + | 167.00 | .968 | ---- | ---- | 5 | UNCH | 5101.00B | 2470.00 |
| 2890 | ---- | 4761.00B | 4357.00A | ---- | 4760.00 | + | 168.00 | .974 | ---- | ---- | 5 | UNCH | 5485.00B | 2735.00 |
| 2900 | ---- | 4860.00B | 4456.00A | ---- | 4859.00 | + | 168.00 | .976 | ---- | ---- | 5 | UNCH | 5582.00B | 2806.00 |
| 2930 | ---- | 5158.00B | 4752.00A | ---- | 5157.00 | + | 168.00 | .979 | ---- | ---- | 5 | UNCH | 5875.00B | 3041.00 |
| 2950 | ---- | 5357.00B | 4951.00A | ---- | 5357.00 | + | 169.00 | .981 | ---- | ---- | 5 | UNCH | 6071.00B | 3184.00 |
| 2960 | ---- | 5457.00B | 5052.00A | ---- | 5456.00 | + | 168.00 | .981 | ---- | ---- | 10 | UNCH | 6170.00B | 3264.00 |
| 3030 | ---- | 6158.00B | 5748.00A | ---- | 6156.00 | + | 169.00 | .986 | ---- | ---- | 10 | UNCH | 6867.00B | 3848.00 |
| 3040 | ---- | 6258.00B | 5848.00A | ---- | 6256.00 | + | 169.00 | .986 | ---- | ---- | 5 | UNCH | 6960.00B | 3936.00 |
| TOTAL | | | | | | | | | | 35 | 1066 | + 34 | | |
| MAR19 | | | | | | | | | | | | | | |
| 2400 | ---- | 1255.00B | 1068.00A | ---- | 1254.00 | + | 97.00 | .451 | ---- | ---- | 1 | UNCH | 2025.00B | 826.00A |
| 2500 | ---- | 1699.00B | 1462.00A | ---- | 1696.00 | + | 118.00 | .579 | ---- | ---- | 2 | UNCH | 2508.00B | 1127.00 |
| 2520 | ---- | 1803.00B | 1556.00A | ---- | 1800.00 | + | 123.00 | .606 | ---- | ---- | 25 | UNCH | 2619.00B | 1200.00 |
| 2580 | ---- | 2150.00B | 1873.00A | ---- | 2146.00 | + | 137.00 | .688 | ---- | ---- | 1 | UNCH | 2978.00B | 1447.00 |
| 2600 | ---- | 2278.00B | 1990.00A | ---- | 2275.00 | + | 141.00 | .715 | ---- | ---- | 1 | UNCH | 3107.00B | 1541.00 |
| 2700 | ---- | 3016.00B | 2683.00A | ---- | 3015.00 | + | 158.00 | .835 | ---- | ---- | 1 | UNCH | 3819.00B | 2104.00 |
| 2710 | ---- | 3097.00B | 2762.00A | ---- | 3097.00 | + | 159.00 | .845 | ---- | ---- | 7 | UNCH | 3897.00B | 2173.00 |
| 2720 | ---- | 3181.00B | 2841.00A | ---- | 3180.00 | + | 160.00 | .854 | ---- | ---- | 4 | UNCH | 3975.00B | 2236.00 |
| 2740 | ---- | 3351.00B | 3006.00A | ---- | 3351.00 | + | 162.00 | .872 | ---- | ---- | 9 | UNCH | 4136.00B | 2376.00 |
| 2750 | ---- | 3439.00B | 3090.00A | ---- | 3438.00 | + | 163.00 | .880 | ---- | ---- | 2 | UNCH | 4218.00B | 2446.00 |
| 2760 | ---- | 3527.00B | 3174.00A | ---- | 3526.00 | + | 163.00 | .888 | ---- | ---- | 1 | UNCH | 4301.00B | 2497.00 |
| 2770 | ---- | 3616.00B | 3260.00A | ---- | 3615.00 | + | 164.00 | .895 | ---- | ---- | 3 | UNCH | 4385.00B | 2594.00 |
| 2780 | ---- | 3706.00B | 3349.00A | ---- | 3706.00 | + | 165.00 | .902 | ---- | ---- | 7 | UNCH | 4469.00B | 2672.00 |
| 2790 | ---- | 3797.00B | 3436.00A | ---- | 3797.00 | + | 165.00 | .908 | ---- | ---- | 4 | UNCH | 4555.00B | 2747.00 |
| 2810 | ---- | 3982.00B | 3619.00A | ---- | 3981.00 | + | 166.00 | .919 | ---- | ---- | 5 | UNCH | 4729.00B | 2908.00 |
| 2850 | ---- | 4360.00B | 3989.00A | ---- | 4359.00 | + | 168.00 | .937 | ---- | ---- | 3 | UNCH | 5087.00B | 3215.00 |
| 2860 | ---- | 4456.00B | 4084.00A | ---- | 4454.00 | + | 167.00 | .941 | ---- | ---- | 3 | UNCH | 5178.00B | 3300.00 |
| 2870 | ---- | 4552.00B | 4183.00A | ---- | 4551.00 | + | 168.00 | .944 | ---- | ---- | 1 | UNCH | 5270.00B | 3412.00 |
| TOTAL | | | | | | | | | | 0 | 80 | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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***2018 DAILY INFORMATION BULLETIN -*** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



### ADDITIONAL EQUITY & INDEX OPTIONS

| STRIKE | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | VOLUME TRADES CLEARED | OPEN INTEREST | --CONTRACT-- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EYM CALL | | | | | | | | | | | |
| JUN18 | EYM CALL | | | | | | | | | | |
| 2330 | ---- | ---- | ---- | ---- | 845.00 - 170.00 | .979 | ---- | ---- | 1 UNCH | 918.00B | 772.00A |
| 2335 | ---- | ---- | ---- | ---- | 797.00 - 169.00 | .974 | ---- | ---- | 1 UNCH | 924.00B | 740.00A |
| 2420 | ---- | ---- | *123.00A | ---- | 104.00 - 108.00 | .408 | ---- | ---- | 1 UNCH | 803.00B | 123.00A |
| 2435 | ---- | 185.00B | *66.00A | ---- | 45.00 - 76.00 | .199 | ---- | ---- | 1 UNCH | 717.00B | 66.00A |
| 2440 | ---- | 185.00B | *51.00A | ---- | 32.00 - 64.00 | .143 | ---- | ---- | 1 UNCH | 725.00B | 51.00A |
| 2445 | ---- | 164.00B | *43.00A | ---- | 22.00 - 52.00 | .097 | ---- | ---- | 1 UNCH | 688.00B | 43.00A |
| 2460 | ---- | 76.00B | *27.00A | ---- | 6.00 - 24.00 | .022 | ---- | ---- | 1 UNCH | 634.00B | 27.00A |
| 2465 | ---- | 51.00B | ---- | ---- | 4.00 - 17.00 | .013 | ---- | ---- | 1 UNCH | 633.00B | 33.00A |
| TOTAL | | | | | | | | 0 | 8 | | |
| JUL18 | EYM CALL | | | | | | | | | | |
| 2300 | ---- | 1598.00B | 1235.00A | ---- | 1242.00 - 140.00 | .841 | ---- | ---- | 1 UNCH | 2434.00B | 1041.00 |
| 2385 | ---- | 836.00B | 560.00A | ---- | 563.00 - 100.00 | .620 | ---- | ---- | 15 UNCH | 1621.00B | 536.00A |
| 2400 | ---- | 715.00B | *463.00A | ---- | 464.00 - 90.00 | .563 | ---- | ---- | 3 UNCH | 1482.00B | 463.00A |
| 2410 | ---- | 636.00B | *390.00A | ---- | 403.00 - 82.00 | .522 | ---- | ---- | 20 UNCH | 1391.00B | 390.00A |
| 2415 | ---- | 637.00B | *428.00A | ---- | 424.00 - 96.00 | .503 | ---- | ---- | 1 UNCH | 644.00B | 428.00A |
| 2440 | ---- | 423.00B | *234.00A | ---- | 244.00 - 57.00 | .389 | ---- | ---- | 1 UNCH | 1121.00B | 234.00A |
| 2440 | ---- | 277.00B | *115.00A | ---- | 105.00 - 71.00 | .302 | ---- | ---- | 1 UNCH | 371.00B | 115.00A |
| 2450 | ---- | 357.00B | *191.00A | ---- | 200.00 - 48.00 | .343 | ---- | 4 | 13 UNCH | 1036.00B | 191.00A |
| 2455 | ---- | 327.00B | *172.00A | ---- | 180.00 NEW | .320 | ---- | 4 | 4 + 4 | 993.00B | 172.00A |
| 2460 | ---- | 166.00B | *56.00A | ---- | 44.00 - 45.00 | .159 | ---- | ---- | 1 UNCH | 383.00B | 56.00A |
| 2460 | ---- | 299.00B | *155.00A | ---- | 162.00 - 39.00 | .297 | ---- | ---- | 2 UNCH | 951.00B | 155.00A |
| 2465 | ---- | 271.00B | *138.00A | ---- | 145.00 - 35.00 | .275 | ---- | ---- | 20 UNCH | 908.00B | 138.00A |
| 2465 | ---- | 324.00B | *193.00A | ---- | 175.00 - 61.00 | .297 | ---- | ---- | 2 UNCH | 704.00B | 193.00A |
| 2465 | 62.00 | 139.00B | *51.00A | ---- | 34.00 NEW | .129 | ---- | 1 | 1 + 1 | 348.00B | 51.00A |
| 2470 | 150.00 | 244.00B | *124.00A | ---- | 128.00 - 32.00 | .253 | ---- | 40 | 43 + 37 | 867.00B | 124.00A |
| 2470 | ---- | 297.00B | *176.00A | ---- | 157.00 - 57.00 | .276 | ---- | ---- | 3 UNCH | 677.00B | 176.00A |
| 2470 | ---- | 115.00B | *49.00A | ---- | 27.00 - 32.00 | .106 | ---- | ---- | 1 UNCH | 313.00B | 49.00A |
| 2475 | ---- | 270.00B | *158.00A | ---- | 140.00 - 54.00 | .255 | ---- | ---- | 18 UNCH | 642.00B | 158.00A |
| 2475 | ---- | 219.00B | *109.00A | ---- | 114.00 - 28.00 | .232 | ---- | ---- | 2 UNCH | 826.00B | 109.00A |
| 2480 | ---- | 245.00B | *143.00A | ---- | 125.00 - 50.00 | .236 | ---- | ---- | 7 UNCH | 641.00B | 143.00A |
| 2480 | ---- | 74.00B | ---- | ---- | 16.00 - 20.00 | .067 | ---- | ---- | 15 UNCH | 251.00B | 34.00 |
| 2480 | 192.00 | 196.00B | *96.00A | ---- | 100.00 - 25.00 | .211 | ---- | 1 | 1 UNCH | 786.00B | 96.00A |
| 2485 | ---- | 221.00B | *130.00A | ---- | 111.00 - 46.00 | .216 | ---- | ---- | 1 UNCH | 606.00B | 130.00A |
| 2485 | ---- | 58.00B | ---- | ---- | 13.00 - 14.00 | .055 | ---- | ---- | 6 UNCH | 221.00B | 42.00A |
| 2485 | ---- | 174.00B | *83.00A | ---- | 88.00 - 22.00 | .192 | ---- | ---- | 3 UNCH | 747.00B | 83.00A |
| 2490 | ---- | 44.00B | ---- | ---- | 10.00 - 10.00 | .043 | ---- | ---- | 4 UNCH | 207.00B | 39.00A |
| 2490 | ---- | 153.00B | *79.00A | ---- | 77.00 - 19.00 | .173 | ---- | ---- | 17 UNCH | 707.00B | 79.00A |
| 2495 | ---- | 134.00B | 72.00A | ---- | 67.00 - 17.00 | .156 | ---- | ---- | 28 UNCH | 670.00B | 70.00 |
| 2500 | ---- | 160.00B | *93.00A | ---- | 76.00 - 37.00 | .163 | ---- | ---- | 3 UNCH | 619.00B | 93.00A |
| 2500 | ---- | 15.00B | ---- | ---- | 6.00 - 4.00 | .026 | ---- | ---- | 1 UNCH | 156.00B | 30.00A |
| 2500 | 100.00 | 118.00 | 63.00A | ---- | 59.00 - 14.00 | .140 | ---- | 11 | 62 + 1 | 632.00B | 63.00A |
| 2505 | ---- | 141.00B | *86.00A | ---- | 67.00 - 33.00 | .148 | ---- | ---- | 3 UNCH | 585.00B | 86.00A |
| 2505 | ---- | 101.00B | 55.00A | ---- | 51.00 - 12.00 | .125 | ---- | ---- | 14 UNCH | 595.00B | 55.00A |
| 2510 | ---- | 87.00B | 48.00A | ---- | 44.00 - 10.00 | .111 | ---- | ---- | 9 UNCH | 560.00B | 48.00A |
| 2515 | 44.00 | 75.00B | 42.00A | ---- | 38.00 - 9.00 | .098 | ---- | 2 | 4 UNCH | 525.00B | 42.00A |
| 2520 | ---- | 95.00B | ---- | ---- | 45.00 - 25.00 | .108 | ---- | ---- | 1 UNCH | 539.00B | 75.00A |
| 2520 | ---- | 63.00B | 37.00A | ---- | 33.00 - 7.00 | .087 | ---- | ---- | 27 UNCH | 491.00B | 36.00A |
| 2525 | 50.00 | 54.00B | 32.00A | ---- | 28.00 - 7.00 | .076 | ---- | 1 | 2 + 1 | 459.00B | 32.00A |
| 2530 | ---- | 45.00B | 28.00A | ---- | 24.00 - 6.00 | .067 | ---- | ---- | 4 UNCH | 427.00B | 28.00A |
| 2540 | ---- | 32.00B | ---- | ---- | 18.00 - 4.00 | .051 | ---- | ---- | 9 UNCH | 366.00B | 21.00A |
| 2545 | ---- | 26.00B | ---- | ---- | 15.00 - 4.00 | .044 | ---- | ---- | 1 UNCH | 338.00B | 18.00A |
| 2550 | ---- | 22.00B | ---- | ---- | 12.00 - 5.00 | .036 | ---- | ---- | 11 UNCH | 311.00B | 16.00A |
| 2555 | ---- | 18.00B | ---- | ---- | 10.00 - 5.00 | .031 | ---- | ---- | 2 UNCH | 286.00B | 14.00A |
| 2560 | ---- | 15.00B | ---- | ---- | 9.00 - 4.00 | .028 | ---- | ---- | 3 UNCH | 262.00B | 12.00A |
| 2570 | ---- | ---- | ---- | ---- | 6.00 - 4.00 | .019 | ---- | ---- | 1 UNCH | 217.00B | 10.00A |
| 2580 | ---- | ---- | ---- | ---- | 4.00 - 4.00 | .013 | ---- | ---- | 2 UNCH | 179.00B | 8.00A |
| 2590 | ---- | ---- | ---- | ---- | 3.00 - 3.00 | .010 | ---- | ---- | 2 UNCH | 145.00B | 7.00 |
| 2600 | ---- | ---- | ---- | ---- | 2.00 - 3.00 | .007 | ---- | ---- | 20 UNCH | 119.00B | 4.00 |
| 2615 | 4.00 | 4.00 | *4.00 | ---- | 1.00 - 3.00 | .002 | ---- | 2 | 18 - 2 | 92.00B | 4.00 |
| 2630 | ---- | ---- | ---- | ---- | 1.00 - 2.00 | .001 | ---- | ---- | 5 UNCH | 71.00B | 12.00A |
| 2650 | ---- | ---- | ---- | ---- | 1.00 - 1.00 | .000 | ---- | ---- | 1 UNCH | 50.00B | 12.00A |
| 2900 | ---- | ---- | ---- | ---- | 1.00 UNCH | ---- | ---- | ---- | 2 UNCH | 5.00 | 4.00A |
| TOTAL | | | | | | | | 66 | 441 + 42 | | |
| AUG18 | EYM CALL | | | | | | | | | | |
| 2410 | ---- | 790.00B | *559.00A | ---- | 572.00 - 81.00 | .521 | ---- | ---- | 20 UNCH | 1487.00B | 559.00A |
| 2415 | ---- | 754.00B | *530.00A | ---- | 542.00 - 78.00 | .506 | ---- | ---- | 20 UNCH | 1444.00B | 530.00A |
| 2435 | ---- | 617.00B | *421.00A | ---- | 430.00 - 65.00 | .445 | ---- | ---- | 7 UNCH | 1275.00B | 421.00A |
| 2440 | ---- | 584.00B | *395.00A | ---- | 405.00 - 60.00 | .430 | ---- | ---- | 4 UNCH | 1234.00B | 395.00A |
| 2450 | 497.00 | 521.00B | *348.00A | ---- | 355.00 - 55.00 | .398 | ---- | 5 | 14 + 3 | 1152.00B | 348.00A |
| 2455 | ---- | 489.00B | *325.00A | ---- | 331.00 - 53.00 | .381 | ---- | ---- | 10 UNCH | 1112.00B | 325.00A |
| 2460 | ---- | 461.00B | *303.00A | ---- | 309.00 - 49.00 | .365 | ---- | ---- | 53 UNCH | 1071.00B | 303.00A |
| 2465 | ---- | 433.00B | *281.00A | ---- | 287.00 - 47.00 | .349 | ---- | ---- | 3 UNCH | 1031.00B | 281.00A |
| 2470 | 270.00 | 405.00B | *261.00A | ---- | 266.00 - 45.00 | .333 | ---- | 1 | 8 UNCH | 993.00B | 261.00A |
| 2475 | ---- | 378.00B | *242.00A | ---- | 247.00 - 42.00 | .317 | ---- | ---- | 5 UNCH | 955.00B | 242.00A |
| 2480 | ---- | 351.00B | *224.00A | ---- | 228.00 - 39.00 | .301 | ---- | ---- | 26 UNCH | 917.00B | 224.00A |
| 2485 | ---- | 325.00B | *208.00A | ---- | 210.00 - 37.00 | .285 | ---- | ---- | 13 UNCH | 879.00B | 208.00A |
| 2490 | ---- | 301.00B | *191.00A | ---- | 193.00 - 34.00 | .269 | ---- | 1 | 28 + 1 | 843.00B | 191.00A |
| 2495 | ---- | 278.00B | *175.00A | ---- | 177.00 - 32.00 | .253 | ---- | ---- | 6 UNCH | 806.00B | 175.00A |
| 2500 | ---- | 256.00B | *160.00A | ---- | 162.00 - 29.00 | .238 | ---- | 1 | 3 UNCH | 771.00B | 160.00A |
| 2505 | ---- | 236.00B | *147.00A | ---- | 148.00 - 27.00 | .223 | ---- | 1 | 16 + 1 | 735.00B | 147.00A |
| 2510 | ---- | 216.00B | *134.00A | ---- | 135.00 - 25.00 | .209 | ---- | 1 | 2 + 1 | 701.00B | 134.00A |
| 2520 | ---- | 181.00B | *117.00A | ---- | 112.00 - 20.00 | .182 | ---- | ---- | 24 UNCH | 635.00B | 117.00A |
| 2525 | ---- | 164.00B | *106.00A | ---- | 101.00 - 19.00 | .169 | ---- | ---- | 14 UNCH | 604.00B | 106.00A |
| 2530 | ---- | 149.00B | *97.00A | ---- | 92.00 - 17.00 | .157 | ---- | ---- | 28 UNCH | 572.00B | 97.00A |
| 2535 | ---- | 135.00B | *88.00A | ---- | 83.00 - 16.00 | .145 | ---- | ---- | 48 UNCH | 542.00B | 88.00A |
| 2540 | ---- | 122.00B | *80.00A | ---- | 75.00 - 14.00 | .134 | ---- | ---- | 14 UNCH | 512.00B | 80.00A |
| 2545 | ---- | 110.00B | *73.00A | ---- | 68.00 - 13.00 | .124 | ---- | ---- | 14 UNCH | 483.00B | 73.00A |
| 2550 | 68.00 | 99.00B | *67.00A | ---- | 62.00 - 11.00 | .115 | ---- | 2 | 1 - 1 | 455.00B | 67.00A |
| 2575 | 44.00 | 58.00B | *42.00A | ---- | 38.00 - 6.00 | .076 | ---- | 1 | 2 UNCH | 330.00B | 42.00A |
| 2580 | ---- | 52.00B | *39.00A | ---- | 34.00 - 6.00 | .069 | ---- | ---- | 14 UNCH | 308.00B | 39.00A |
| 2600 | ---- | 34.00B | ---- | ---- | 23.00 - 5.00 | .049 | ---- | ---- | 19 UNCH | 229.00B | 29.00A |
| 2610 | ---- | 28.00B | ---- | ---- | 19.00 - 4.00 | .041 | ---- | ---- | 14 UNCH | 196.00B | 25.00A |
| TOTAL | | | | | | | | 13 | 430 + 5 | | |
| EYM PUT | | | | | | | | | | | |
| JUN18 | EYM PUT | | | | | | | | | | |
| 2410 | ---- | 121.00B | *38.00A | ---- | 124.00 + 43.00 | .449 | ---- | ---- | 1 UNCH | 738.00B | 38.00A |
| 2420 | ---- | 168.00B | *48.00A | ---- | 169.00 + 60.00 | .591 | ---- | ---- | 1 UNCH | 713.00B | 48.00A |
| 2460 | ---- | ---- | 154.00A | ---- | 471.00 + 144.00 | .977 | ---- | ---- | 1 UNCH | 695.00B | 127.00A |
| 2485 | ---- | ---- | ---- | ---- | 716.00 + 164.00 | .999 | ---- | ---- | 2 UNCH | 517.00B | 105.00A |
| 2490 | ---- | ---- | ---- | ---- | 766.00 + 165.00 | .999 | ---- | ---- | 3 UNCH | 509.00B | 112.00A |
| 2500 | ---- | ---- | ---- | ---- | 866.00 + 167.00 | .999 | ---- | ---- | 1 UNCH | 543.00B | 124.00A |
| 2505 | ---- | ---- | ---- | ---- | 916.00 + 168.00 | .999 | ---- | ---- | 1 UNCH | 589.00B | 132.00A |
| 2510 | ---- | ---- | ---- | ---- | 966.00 + 168.00 | .999 | ---- | ---- | 1 UNCH | 465.00B | 143.00A |
| TOTAL | | | | | | | | 0 | 11 | | |
| JUL18 | EYM PUT | | | | | | | | | | |
| 2200 | ---- | 41.00B | *24.00A | ---- | 42.00 + 10.00 | .059 | ---- | ---- | 3 UNCH | 299.00B | 24.00A |
| 2300 | ---- | 111.00B | 54.00A | ---- | 108.00 + 27.00 | .158 | ---- | ---- | 1 UNCH | 536.00B | 38.00A |
| 2310 | ---- | 124.00B | 60.00A | ---- | 121.00 + 31.00 | .176 | ---- | ---- | 2 UNCH | 569.00B | 40.00A |
| 2335 | 140.00 | 163.00B | 78.00A | ---- | 158.00 NEW | .228 | ---- | 14 | 14 + 14 | 658.00B | 47.00A |
| 2340 | 147.00 | 173.00B | 82.00A | ---- | 167.00 NEW | .241 | ---- | 14 | 14 + 14 | 678.00B | 49.00A |
| 2345 | 155.00 | 183.00B | 87.00A | ---- | 177.00 + 45.00 | .254 | ---- | 14 | 14 + 14 | 698.00B | 50.00A |
| 2350 | ---- | 193.00B | 92.00A | ---- | 187.00 + 47.00 | .267 | ---- | ---- | 8 UNCH | 718.00B | 52.00A |
| 2360 | ---- | 217.00B | 103.00A | ---- | 210.00 + 53.00 | .296 | ---- | 1 | 4 + 1 | 761.00B | 56.00A |
| 2370 | ---- | 242.00B | 116.00A | ---- | 235.00 + 59.00 | .327 | ---- | ---- | 9 UNCH | 806.00B | 60.00A |
| 2375 | ---- | 256.00B | 123.00A | ---- | 249.00 + 62.00 | .344 | ---- | ---- | 1 UNCH | 829.00B | 63.00A |
| 2380 | ---- | 139.00B | *62.00A | ---- | 125.00 + 34.00 | .288 | ---- | ---- | 1 UNCH | 179.00B | 62.00A |
| 2380 | ---- | 271.00B | 131.00A | ---- | 263.00 + 64.00 | .361 | ---- | ---- | 7 UNCH | 853.00B | 65.00A |
| 2390 | ---- | 303.00B | 148.00A | ---- | 295.00 + 72.00 | .397 | ---- | ---- | 2 UNCH | 903.00B | 71.00A |
| 2400 | ---- | 201.00B | *71.00A | ---- | 181.00 + 49.00 | .402 | ---- | ---- | 1 UNCH | 249.00B | 71.00A |
| 2400 | 185.00 | 338.00B | 167.00A | ---- | 329.00 + 78.00 | .436 | ---- | 2 | 65 - 2 | 956.00B | 77.00A |
| 2405 | 238.00 | 358.00B | 177.00A | ---- | 348.00 NEW | .456 | ---- | 2 | 1 + 1 | 983.00B | 81.00A |
| 2410 | 199.00 | 234.00B | *85.00A | ---- | 219.00 + 60.00 | .470 | ---- | 5 | 1 UNCH | 288.00B | 85.00A |
| 2410 | ---- | 378.00B | 188.00A | ---- | 368.00 + 86.00 | .477 | ---- | ---- | 1 UNCH | 1011.00B | 84.00A |
| 2415 | ---- | 400.00B | 200.00A | ---- | 389.00 + 90.00 | .498 | ---- | ---- | 1 UNCH | 1039.00B | 88.00A |
| 2420 | ---- | 263.00B | 102.00A | ---- | 263.00 + 71.00 | .543 | ---- | ---- | 1 UNCH | 317.00B | 90.00 |
| 2420 | ---- | 422.00B | 214.00A | ---- | 410.00 + 94.00 | .520 | ---- | ---- | 1 UNCH | 1069.00B | 93.00A |
| 2425 | ---- | 445.00B | 226.00A | ---- | 433.00 + 98.00 | .542 | ---- | 1 | ---- 1 | 1098.00B | 97.00A |
| 2430 | ---- | 468.00B | 242.00A | ---- | 457.00 + 102.00 | .565 | ---- | 1 | 1 UNCH | 1129.00B | 102.00A |
| 2435 | ---- | 297.00B | 138.00A | ---- | 340.00 + 89.00 | .658 | ---- | ---- | 1 UNCH | 330.00B | 127.00A |
| 2440 | ---- | 521.00B | 272.00A | ---- | 509.00 + 111.00 | .610 | ---- | ---- | 3 UNCH | 1193.00B | 113.00A |
| 2445 | ---- | 491.00B | 356.00A | ---- | 576.00 + 92.00 | .617 | ---- | ---- | 3 UNCH | 501.00B | 187.00A |
| 2445 | ---- | ---- | 167.00A | ---- | 401.00 + 103.00 | .736 | ---- | ---- | 2 UNCH | 266.00B | 133.00A |
| 2445 | ---- | 548.00B | 291.00A | ---- | 536.00 + 115.00 | .633 | ---- | ---- | 42 UNCH | 1225.00B | 119.00 |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# DJIA AND MINI DOW OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

## FINAL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2450 | ---- | ---- | 373.00A | ---- | 603.00 | + 96.00 | .638 | ---- | ---- | 6 | UNCH | 461.00B | 194.00A |
| 2450 | ---- | 577.00B | 308.00A | ---- | 565.00 | + 120.00 | .656 | ---- | ---- | 23 | UNCH | 1258.00B | 125.00A |
| 2455 | ---- | ---- | 393.00A | ---- | 630.00 | + 99.00 | .659 | ---- | ---- | 7 | UNCH | 484.00B | 203.00A |
| 2455 | ---- | 607.00B | 328.00A | ---- | 595.00 | + 124.00 | .679 | ---- | ---- | 3 | UNCH | 1292.00B | 132.00A |
| 2460 | ---- | ---- | 415.00A | ---- | 659.00 | + 103.00 | .681 | ---- | ---- | 10 | UNCH | 462.00B | 212.00A |
| 2460 | ---- | 638.00B | 350.00A | ---- | 626.00 | + 128.00 | .702 | ---- | ---- | 4 | UNCH | 1327.00B | 139.00A |
| 2465 | ---- | ---- | 446.00A | ---- | 689.00 | + 106.00 | .702 | ---- | ---- | 16 | UNCH | 481.00B | 212.00A |
| 2465 | ---- | 671.00B | 372.00A | ---- | 659.00 | + 133.00 | .724 | ---- | ---- | 2 | UNCH | 1363.00B | 147.00A |
| 2470 | ---- | 703.00B | 396.00A | ---- | 693.00 | + 137.00 | .746 | ---- | ---- | 20 | UNCH | 1399.00B | 155.00A |
| 2475 | ---- | 740.00B | 421.00A | ---- | 728.00 | + 140.00 | .767 | ---- | ---- | 2 | UNCH | 1435.00B | 164.00A |
| 2480 | ---- | 776.00B | 447.00A | ---- | 764.00 | + 143.00 | .788 | ---- | ---- | 17 | UNCH | 1473.00B | 174.00A |
| 2485 | ---- | ---- | ---- | ---- | 825.00 | + 122.00 | .783 | ---- | ---- | 1 | UNCH | 505.00B | 248.00A |
| 2485 | ---- | 812.00B | 475.00A | ---- | 802.00 | + 146.00 | .807 | ---- | ---- | 5 | UNCH | 1510.00B | 184.00A |
| 2490 | ---- | ---- | ---- | ---- | 862.00 | + 125.00 | .801 | ---- | ---- | 18 | UNCH | 520.00B | 261.00A |
| 2490 | ---- | 851.00B | 505.00A | ---- | 841.00 | + 149.00 | .826 | ---- | ---- | 2 | UNCH | 1549.00B | 196.00A |
| 2495 | ---- | ---- | ---- | ---- | 900.00 | + 128.00 | .818 | ---- | ---- | 17 | UNCH | 545.00B | 274.00A |
| 2495 | ---- | 891.00B | 536.00A | ---- | 881.00 | + 151.00 | .843 | ---- | ---- | 5 | UNCH | 1588.00B | 208.00A |
| 2500 | ---- | ---- | ---- | ---- | 940.00 | + 132.00 | .836 | ---- | ---- | 2 | UNCH | 565.00B | 286.00A |
| 2500 | ---- | 933.00B | 569.00A | ---- | 923.00 | + 154.00 | .859 | ---- | ---- | 14 | UNCH | 1628.00B | 220.00A |
| 2505 | ---- | ---- | ---- | ---- | 980.00 | + 134.00 | .851 | ---- | ---- | 10 | UNCH | 504.00B | 301.00A |
| 2505 | ---- | 974.00B | 604.00A | ---- | 965.00 | + 156.00 | .874 | ---- | ---- | 1 | UNCH | 1668.00B | 234.00A |
| 2510 | ---- | 1019.00B | 640.00A | ---- | 1008.00 | + 158.00 | .888 | ---- | ---- | 1 | UNCH | 1709.00B | 250.00A |
| 2520 | ---- | 1106.00B | 718.00A | ---- | 1097.00 | + 161.00 | .912 | ---- | ---- | 10 | UNCH | 1792.00B | 282.00A |
| 2525 | ---- | 1153.00B | 758.00A | ---- | 1142.00 | + 162.00 | .923 | ---- | ---- | 1 | UNCH | 1834.00B | 301.00A |
| 2560 | ---- | 1481.00B | 1071.00A | ---- | 1472.00 | + 164.00 | .971 | ---- | ---- | 1 | UNCH | 2141.00B | 460.00A |
| 2650 | ---- | 2371.00B | 1952.00A | ---- | 2363.00 | + 167.00 | .999 | ---- | ---- | 1 | UNCH | 2990.00B | 1136.00 |
| TOTAL | | | | | | | | | 54 | 403 | + 41 | | |
| AUG18 | | | | | | | | | | | | | |
| 2155 | ---- | 90.00B | 61.00A | ---- | 90.00 | + 15.00 | .087 | ---- | ---- | 4 | UNCH | 146.00B | 46.00A |
| 2200 | ---- | 121.00B | 79.00A | ---- | 120.00 | + 21.00 | .117 | ---- | ---- | 1 | UNCH | 183.00B | 56.00A |
| 2225 | ---- | 143.00B | 92.00A | ---- | 142.00 | + 25.00 | .139 | ---- | ---- | 28 | UNCH | 209.00B | 63.00A |
| 2230 | ---- | 148.00B | 95.00A | ---- | 147.00 | + 26.00 | .144 | ---- | ---- | 14 | UNCH | 215.00B | 64.00A |
| 2245 | ---- | 165.00B | 105.00A | ---- | 163.00 | + 29.00 | .159 | ---- | ---- | 28 | UNCH | 233.00B | 69.00A |
| 2250 | ---- | 170.00B | 108.00A | ---- | 169.00 | + 31.00 | .165 | ---- | ---- | 15 | UNCH | 239.00B | 71.00A |
| 2255 | ---- | 177.00B | 112.00A | ---- | 175.00 | + 32.00 | .171 | ---- | ---- | 14 | UNCH | 245.00B | 72.00A |
| 2290 | ---- | 226.00B | 141.00A | ---- | 224.00 | + 42.00 | .217 | ---- | ---- | 1 | UNCH | 297.00B | 87.00A |
| 2350 | ---- | 350.00B | 217.00A | ---- | 346.00 | + 62.00 | .326 | ---- | ---- | 4 | UNCH | 418.00B | 123.00A |
| 2370 | ---- | 406.00B | 252.00A | ---- | 400.00 | + 69.00 | .372 | ---- | ---- | 1 | UNCH | 468.00B | 140.00A |
| 2380 | ---- | 438.00B | 273.00A | ---- | 431.00 | + 73.00 | .396 | ---- | ---- | 1 | UNCH | 498.00B | 149.00A |
| 2390 | ---- | 471.00B | 295.00A | ---- | 464.00 | + 77.00 | .422 | ---- | ---- | 2 | UNCH | 527.00B | 159.00A |
| 2415 | ---- | 565.00B | 359.00A | ---- | 557.00 | + 90.00 | .493 | ---- | ---- | 14 | UNCH | 611.00B | 190.00A |
| 2420 | ---- | 587.00B | 373.00A | ---- | 578.00 | + 93.00 | .508 | ---- | ---- | 14 | UNCH | 630.00B | 196.00A |
| 2430 | ---- | 631.00B | 404.00A | ---- | 622.00 | + 100.00 | .538 | ---- | ---- | 4 | UNCH | 670.00B | 211.00A |
| 2435 | ---- | 654.00B | 420.00A | ---- | 645.00 | + 103.00 | .554 | ---- | ---- | 7 | UNCH | 689.00B | 219.00A |
| 2450 | ---- | 728.00B | 474.00A | ---- | 719.00 | + 113.00 | .601 | ---- | ---- | 1 | UNCH | 762.00B | 245.00A |
| 2460 | ---- | 782.00B | 513.00A | ---- | 773.00 | + 118.00 | .634 | ---- | ---- | 34 | UNCH | 815.00B | 265.00A |
| 2470 | ---- | 839.00B | 557.00A | ---- | 830.00 | + 123.00 | .666 | ---- | ---- | 1 | UNCH | 874.00B | 287.00A |
| 2600 | ---- | 1890.00B | 1488.00A | ---- | 1883.00 | + 163.00 | .950 | ---- | ---- | 4 | UNCH | 1918.00B | 829.00A |
| 2640 | ---- | 2276.00B | 1869.00A | ---- | 2270.00 | + 165.00 | .974 | ---- | ---- | 1 | UNCH | 2303.00B | 1119.00 |
| 2800 | ---- | 3856.00B | 3444.00A | ---- | 3856.00 | + 168.00 | .999 | ---- | ---- | 1 | UNCH | 3884.00B | 2603.00 |
| TOTAL | | | | | | | | | 0 | 194 | | | |

VOLUME AND OPEN INTEREST "RECORDS" SHOWN FOR CBOT PRODUCTS, ARE COMPRISED OF VOLUME AND OPEN INTEREST DATA AFTER THE CBOT/CME MERGER ON JULY 13, 2007.THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY FUTURES PRODUCTS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

## CORE FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| CL FUT | NYMEX CRUDE OIL (PHYSICAL) | | | | | | |
| AUG18 | 70.68 | 73.06 /70.56 | 72.76 | + 2.23 | 768283 | 6872 | 406652 + 778 |
| SEP18 | 69.46 | 71.48 /69.28 | 71.26 | + 1.98 | 197722 | 2011 | 280949 + 14339 |
| OCT18 | 68.29 | 70.19 /68.14 | 69.96 | + 1.80 | 101791 | 4406 | 191580 + 952 |
| NOV18 | 67.68 | 69.48 /67.49 | 69.22 | + 1.63 | 60184 | 906 | 135403 - 3587 |
| DEC18 | 67.21 | 68.90 /67.03 | 68.61 | + 1.44 | 118970 | 3625 | 308073 + 9882 |
| JAN19 | 66.65 | 68.35 /66.65 | 68.04 | + 1.30 | 34122 | 608 | 129807 + 3477 |
| FEB19 | 66.23 | 67.80 /66.18A | 67.46 | + 1.17 | 18020 | ---- | 67426 + 2085 |
| MAR19 | 65.83 | 67.32 /65.73 | 66.95 | + 1.08 | 28951 | 1614 | 91560 + 5858 |
| APR19 | 65.44 | 66.86 /65.33A | 66.48 | + 1.00 | 8122 | ---- | 50084 + 592 |
| MAY19 | 65.12 | 66.44 /64.94A | 66.06 | + 0.96 | 4616 | ---- | 39824 + 1352 |
| JUN19 | 64.73 | 66.07 /64.49 | 65.68 | + 0.92 | 44830 | 2208 | 149015 + 2187 |
| JUL19 | 64.44 | 65.60 /64.44 | 65.24 | + 0.87 | 4544 | ---- | 34168 + 523 |
| AUG19 | 64.96 | 65.15 /64.87A | 64.85 | + 0.82 | 4228 | ---- | 36924 + 1233 |
| SEP19 | 64.05 | 64.70B/64.05 | 64.49 | + 0.77 | 6750 | 1308 | 58824 + 925 |
| OCT19 | 64.34 | 64.34 /64.19A | 64.17 | + 0.72 | 1219 | ---- | 31398 + 440 |
| NOV19 | ---- | 63.78B | 63.86 | + 0.67 | 1768 | ---- | 28475 + 514 |
| DEC19 | 62.75 | 64.04 /62.62A | 63.59 | + 0.64 | 42690 | 1077 | 198526 + 78 |
| JAN20 | ---- | 63.16B | 63.25 | + 0.61 | 1328 | ---- | 24012 + 674 |
| FEB20 | ---- | 62.84B | 62.93 | + 0.58 | 350 | ---- | 8215 + 24 |
| MAR20 | ---- | 62.51B | 62.62 | + 0.53 | 942 | ---- | 14240 + 345 |
| APR20 | ---- | ---- | 62.33 | + 0.49 | 20 | ---- | 2534 + 10 |
| MAY20 | ---- | ---- | 62.08 | + 0.46 | 2 | ---- | 2552 + 2 |
| JUN20 | 61.11 | 62.16 /61.05 | 61.82 | + 0.43 | 4080 | ---- | 31732 + 442 |
| JUL20 | ---- | ---- | 61.52 | + 0.40 | ---- | ---- | 2885 UNCH |
| AUG20 | ---- | ---- | 61.28 | + 0.38 | ---- | ---- | 3602 UNCH |
| SEP20 | ---- | ---- | 61.02 | + 0.36 | ---- | ---- | 8812 UNCH |
| OCT20 | ---- | ---- | 60.80 | + 0.33 | ---- | ---- | 3736 UNCH |
| NOV20 | ---- | ---- | 60.59 | + 0.29 | ---- | ---- | 3480 UNCH |
| DEC20 | 59.94 | 60.94 /59.73 | 60.44 | + 0.26 | 8063 | 111 | 71641 + 824 |
| JAN21 | ---- | ---- | 60.22 | + 0.24 | ---- | ---- | 4974 UNCH |
| FEB21 | ---- | ---- | 60.00 | + 0.22 | ---- | ---- | 2000 UNCH |
| MAR21 | ---- | ---- | 59.76 | + 0.20 | ---- | ---- | 2367 UNCH |
| APR21 | ---- | ---- | 59.57 | + 0.18 | ---- | ---- | 4036 UNCH |
| MAY21 | ---- | ---- | 59.36 | + 0.16 | ---- | ---- | 1849 UNCH |
| JUN21 | 58.58 | 59.10 /58.58 | 59.18 | + 0.15 | 269 | ---- | 8077 + 35 |
| JUL21 | ---- | ---- | 58.99 | + 0.14 | ---- | ---- | 622 UNCH |
| AUG21 | ---- | ---- | 58.79 | + 0.13 | ---- | ---- | 450 UNCH |
| SEP21 | ---- | ---- | 58.63 | + 0.12 | ---- | ---- | 200 UNCH |
| OCT21 | ---- | ---- | 58.46 | + 0.12 | ---- | ---- | 201 UNCH |
| NOV21 | ---- | ---- | 58.33 | + 0.11 | ---- | ---- | 200 UNCH |
| DEC21 | 57.96 | 58.42B/57.71A | 58.16 | + 0.10 | 857 | 56 | 17948 - 46 |
| MAY22 | ---- | ---- | 57.42 | + 0.09 | ---- | ---- | 1 UNCH |
| JUN22 | ---- | ---- | 57.28 | + 0.08 | ---- | ---- | 13 UNCH |
| DEC22 | 56.31 | 57.04 /56.31 | 56.60 | + 0.07 | 133 | ---- | 7626 + 13 |
| DEC23 | 55.23 | 55.23 /55.23 | 55.41 | + 0.01 | 6 | ---- | 895 UNCH |
| JUN24 | ---- | ---- | 54.97 | + 0.01 | ---- | ---- | 5 UNCH |
| DEC24 | 54.82 | 54.82 /54.82 | 54.71 | + 0.01 | 2 | ---- | 154 + 1 |
| DEC25 | ---- | 54.50B | 54.46 | + 0.01 | ---- | ---- | 34 UNCH |
| TOTAL CL FUT | | | | | 1462862 | 24802 | 2467781 + 43952 |
| HO FUT | NYMEX HEATING OIL (PHYSICAL) | | | | | | |
| JUL18 | 2.1385 | 2.1854B/2.1299A | 2.1772 | + 0.0482 | 17771 | 3600 | 11403 - 6681 |
| AUG18 | 2.1412 | 2.1890 /2.1324 | 2.1796 | + 0.0471 | 73490 | 2837 | 107721 + 4307 |
| SEP18 | 2.1486 | 2.1945 /2.1391 | 2.1851 | + 0.0457 | 31880 | 1259 | 59860 + 3021 |
| OCT18 | 2.1550 | 2.1999 /2.1455A | 2.1904 | + 0.0443 | 14544 | 908 | 35326 + 1252 |
| NOV18 | 2.1578 | 2.2056 /2.1514A | 2.1958 | + 0.0435 | 11190 | ---- | 28725 - 1221 |
| DEC18 | 2.1600 | 2.2098 /2.1570A | 2.2006 | + 0.0425 | 16922 | 726 | 56264 - 71 |
| JAN19 | 2.1699 | 2.2144 /2.1638 | 2.2057 | + 0.0412 | 4220 | ---- | 18759 + 693 |
| FEB19 | 2.1643 | 2.2132 /2.1641A | 2.2043 | + 0.0395 | 2776 | 100 | 11298 - 60 |
| MAR19 | 2.1587 | 2.2054B/2.1582A | 2.1970 | + 0.0379 | 3498 | ---- | 12163 - 105 |
| APR19 | 2.1631 | 2.1926B/2.1460A | 2.1837 | + 0.0372 | 2065 | 50 | 4990 - 612 |
| MAY19 | 2.1553 | 2.1848B/2.1553 | 2.1763 | + 0.0365 | 959 | ---- | 1334 - 3 |
| JUN19 | 2.1525 | 2.1820B/2.1496A | 2.1734 | + 0.0358 | 1439 | 75 | 17102 + 266 |
| JUL19 | 2.1837 | 2.1837 /2.1751A | 2.1791 | + 0.0354 | 103 | ---- | 1148 + 17 |
| AUG19 | 2.1900 | 2.1900 /2.1809A | 2.1855 | + 0.0354 | 17 | ---- | 486 + 3 |
| SEP19 | 2.2078 | 2.2078 /2.1900 | 2.1954 | + 0.0356 | 18 | ---- | 703 - 3 |
| OCT19 | 2.1925 | 2.1990 /2.1900A | 2.2004 | + 0.0353 | 7 | ---- | 293 + 2 |
| NOV19 | ---- | 2.1934B | 2.2065 | + 0.0354 | ---- | ---- | 382 UNCH |
| DEC19 | 2.1946 | 2.2240B/2.1946 | 2.2159 | + 0.0353 | 397 | ---- | 6028 + 16 |
| JAN20 | ---- | ---- | 2.2320 | + 0.0349 | ---- | ---- | 669 UNCH |
| FEB20 | ---- | ---- | 2.2338 | + 0.0342 | ---- | ---- | 51 UNCH |
| MAR20 | ---- | ---- | 2.2235 | + 0.0335 | ---- | ---- | 47 UNCH |
| APR20 | ---- | ---- | 2.2054 | + 0.0328 | ---- | ---- | 40 UNCH |
| MAY20 | ---- | ---- | 2.1901 | + 0.0321 | ---- | ---- | 23 UNCH |
| JUN20 | 2.1803 | 2.1835B/2.1775 | 2.1799 | + 0.0314 | 20 | ---- | 117 + 5 |
| JUL20 | ---- | ---- | 2.1761 | + 0.0308 | ---- | ---- | 23 UNCH |
| AUG20 | ---- | ---- | 2.1722 | + 0.0301 | ---- | ---- | 21 UNCH |
| SEP20 | ---- | ---- | 2.1673 | + 0.0294 | ---- | ---- | 22 UNCH |
| OCT20 | ---- | ---- | 2.1604 | + 0.0287 | ---- | ---- | 19 UNCH |
| NOV20 | ---- | ---- | 2.1526 | + 0.0280 | ---- | ---- | 18 UNCH |
| DEC20 | ---- | ---- | 2.1454 | + 0.0273 | 6 | ---- | 1012 + 2 |
| JAN21 | ---- | ---- | 2.1484 | + 0.0270 | ---- | ---- | 5 UNCH |
| FEB21 | ---- | ---- | 2.1464 | + 0.0267 | ---- | ---- | 2 UNCH |
| MAR21 | ---- | ---- | 2.1392 | + 0.0264 | ---- | ---- | 4 UNCH |
| APR21 | ---- | ---- | 2.1271 | + 0.0261 | ---- | ---- | 6 UNCH |
| MAY21 | ---- | ---- | 2.1247 | + 0.0258 | ---- | ---- | 7 UNCH |
| JUN21 | ---- | ---- | 2.1159 | + 0.0255 | ---- | ---- | 6 UNCH |
| JUL21 | ---- | ---- | 2.1090 | + 0.0252 | ---- | ---- | 6 UNCH |
| AUG21 | ---- | ---- | 2.1063 | + 0.0249 | ---- | ---- | 6 UNCH |
| SEP21 | ---- | ---- | 2.1041 | + 0.0246 | ---- | ---- | 6 UNCH |
| DEC21 | ---- | ---- | 2.0940 | + 0.0237 | ---- | ---- | 15 UNCH |
| TOTAL HO FUT | | | | | 181322 | 9555 | 376110 + 828 |
| RB FUT | NYMEX NY HARBOR GAS (RBOB) (PHY) | | | | | | |
| JUL18 | 2.0870 | 2.1383 /2.0766 | 2.1336 | + 0.0590 | 28138 | 6712 | 18521 - 9867 |

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# ENERGY FUTURES PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| RB FUT | NYMEX NY HARBOR GAS (RBOB) (PHY) | | | | | | |
| AUG18 | 2.0709 | 2.1180 /2.0580 | 2.1103 | + 0.0536 | 79176 | 1794 | 133169 + 3776 |
| SEP18 | 2.0508 | 2.0988 /2.0411 | 2.0902 | + 0.0506 | 43948 | 734 | 81771 + 679 |
| OCT18 | 1.9438 | 1.9872B/1.9326A | 1.9778 | + 0.0466 | 19272 | 712 | 56472 - 120 |
| NOV18 | 1.9113 | 1.9613 /1.9087A | 1.9507 | + 0.0437 | 11801 | ---- | 45202 + 382 |
| DEC18 | 1.9005 | 1.9446 /1.8944A | 1.9339 | + 0.0410 | 13724 | 512 | 39466 + 315 |
| JAN19 | 1.8953 | 1.9427B/1.8939A | 1.9314 | + 0.0389 | 3940 | 400 | 24961 - 80 |
| FEB19 | 1.9036 | 1.9469 /1.9011 | 1.9361 | + 0.0377 | 585 | ---- | 7580 + 137 |
| MAR19 | 1.9158 | 1.9555B/1.9128A | 1.9475 | + 0.0372 | 1750 | 400 | 12264 + 1037 |
| APR19 | 2.0950 | 2.1249 /2.0950 | 2.1146 | + 0.0365 | 1634 | ---- | 6565 + 659 |
| MAY19 | 2.0956 | 2.1234 /2.0950 | 2.1145 | + 0.0363 | 1119 | 58 | 3859 + 383 |
| JUN19 | 2.0814 | 2.1103 /2.0806A | 2.1005 | + 0.0360 | 945 | 58 | 7109 + 13 |
| JUL19 | ---- | 2.0790B | 2.0778 | + 0.0353 | 124 | 58 | 1082 + 34 |
| AUG19 | ---- | 2.0514B | 2.0538 | + 0.0345 | 38 | ---- | 333 + 3 |
| SEP19 | ---- | 2.0140B | 2.0269 | + 0.0334 | 50 | ---- | 280 - 11 |
| OCT19 | ---- | 1.8700B | 1.8939 | + 0.0330 | ---- | ---- | 227 UNCH |
| NOV19 | ---- | 1.8421B | 1.8685 | + 0.0322 | ---- | ---- | 76 UNCH |
| DEC19 | 1.8550 | 1.8586B/1.8500 | 1.8590 | + 0.0293 | 50 | ---- | 1542 - 24 |
| JAN20 | ---- | ---- | 1.8566 | + 0.0293 | ---- | ---- | 158 UNCH |
| FEB20 | ---- | ---- | 1.8628 | + 0.0293 | ---- | ---- | 10 UNCH |
| MAR20 | ---- | ---- | 1.8787 | + 0.0293 | ---- | ---- | 12 UNCH |
| APR20 | ---- | ---- | 2.0560 | + 0.0293 | ---- | ---- | 17 UNCH |
| MAY20 | ---- | ---- | 2.0565 | + 0.0293 | ---- | ---- | 16 UNCH |
| JUN20 | ---- | 2.0230B | 2.0452 | + 0.0293 | ---- | ---- | 18 UNCH |
| JUL20 | ---- | ---- | 2.0248 | + 0.0293 | ---- | ---- | 16 UNCH |
| AUG20 | ---- | ---- | 1.9975 | + 0.0293 | ---- | ---- | 16 UNCH |
| SEP20 | ---- | ---- | 1.9696 | + 0.0293 | ---- | ---- | 16 UNCH |
| OCT20 | ---- | ---- | 1.8406 | + 0.0293 | ---- | ---- | 10 UNCH |
| NOV20 | ---- | ---- | 1.8078 | + 0.0293 | ---- | ---- | 10 UNCH |
| DEC20 | ---- | ---- | 1.7790 | + 0.0293 | ---- | ---- | 79 UNCH |
| APR21 | ---- | ---- | 2.0007 | + 0.0293 | ---- | ---- | 6 UNCH |
| MAY21 | ---- | ---- | 1.9998 | + 0.0293 | ---- | ---- | 7 UNCH |
| JUN21 | ---- | ---- | 1.9915 | + 0.0293 | ---- | ---- | 6 UNCH |
| JUL21 | ---- | ---- | 1.9713 | + 0.0293 | ---- | ---- | 6 UNCH |
| AUG21 | ---- | ---- | 1.9443 | + 0.0293 | ---- | ---- | 6 UNCH |
| SEP21 | ---- | ---- | 1.9163 | + 0.0293 | ---- | ---- | 6 UNCH |
| TOTAL RB FUT | | | | | 206294 | 11438 | 440894 - 2684 |
| NG FUT | NATURAL GAS HENRY HUB (PHYSICAL) | | | | | | |
| JUL18 | 2.954 | 3.007 /2.950 | 2.996 | + 0.057 | 8944 | 1118 | 269 - 3712 |
| AUG18 | 2.943 | 2.998 /2.941 | 2.981 | + 0.050 | 157599 | 3903 | 205349 + 2340 |
| SEP18 | 2.920 | 2.970 /2.917A | 2.951 | + 0.044 | 39259 | 564 | 173340 + 3653 |
| OCT18 | 2.928 | 2.974 /2.922A | 2.955 | + 0.042 | 25522 | ---- | 173428 - 264 |
| NOV18 | 2.963 | 3.012 /2.962 | 2.993 | + 0.039 | 21741 | 2500 | 110991 + 1788 |
| DEC18 | 3.073 | 3.116 /3.069A | 3.098 | + 0.034 | 12077 | ---- | 89696 + 43 |
| JAN19 | 3.156 | 3.197 /3.153A | 3.180 | + 0.031 | 18132 | 100 | 116159 - 196 |
| FEB19 | 3.123 | 3.159 /3.123 | 3.142 | + 0.029 | 7049 | 200 | 63658 + 516 |
| MAR19 | 3.018 | 3.057 /3.018 | 3.043 | + 0.029 | 19607 | 100 | 117104 + 1145 |
| APR19 | 2.675 | 2.697 /2.673 | 2.695 | + 0.021 | 14241 | 100 | 122630 + 2161 |
| MAY19 | 2.634 | 2.657 /2.634 | 2.656 | + 0.020 | 2308 | 100 | 57385 + 432 |
| JUN19 | 2.663 | 2.680 /2.661A | 2.683 | + 0.020 | 656 | 100 | 25528 + 223 |
| JUL19 | 2.693 | 2.713 /2.690A | 2.714 | + 0.020 | 1064 | 100 | 24996 + 149 |
| AUG19 | 2.713 | 2.718 /2.697A | 2.721 | + 0.020 | 690 | 100 | 20549 + 213 |
| SEP19 | 2.687 | 2.703 /2.683A | 2.706 | + 0.020 | 406 | 100 | 24458 + 60 |
| OCT19 | 2.703 | 2.724 /2.702A | 2.725 | + 0.021 | 3342 | 100 | 47872 + 1773 |
| NOV19 | 2.757 | 2.775 /2.756A | 2.778 | + 0.021 | 615 | 100 | 24339 + 256 |
| DEC19 | 2.881 | 2.898 /2.880A | 2.902 | + 0.021 | 402 | 100 | 22382 + 217 |
| JAN20 | 2.986 | 2.995 /2.984 | 2.997 | + 0.021 | 318 | ---- | 16328 + 164 |
| FEB20 | 2.956 | 2.963 /2.954 | 2.965 | + 0.021 | 350 | ---- | 2988 + 109 |
| MAR20 | 2.865 | 2.865 /2.863 | 2.873 | + 0.021 | 250 | ---- | 5436 + 99 |
| APR20 | 2.565 | 2.565 /2.555 | 2.556 | + 0.006 | 207 | ---- | 6298 + 88 |
| MAY20 | 2.537 | 2.537 /2.526 | 2.527 | + 0.006 | 33 | ---- | 2033 + 33 |
| JUN20 | 2.563 | 2.563 /2.553 | 2.554 | + 0.006 | 287 | ---- | 1355 + 242 |
| JUL20 | ---- | ---- | 2.584 | + 0.006 | 18 | ---- | 1214 + 18 |
| AUG20 | ---- | ---- | 2.591 | + 0.005 | 10 | ---- | 1173 + 1 |
| SEP20 | ---- | ---- | 2.577 | + 0.004 | ---- | ---- | 1122 UNCH |
| OCT20 | ---- | ---- | 2.596 | + 0.001 | 56 | ---- | 1191 - 2 |
| NOV20 | ---- | ---- | 2.651 | + 0.001 | ---- | ---- | 1073 UNCH |
| DEC20 | ---- | ---- | 2.779 | + 0.001 | 2 | ---- | 1684 UNCH |
| JAN21 | ---- | ---- | 2.877 | + 0.001 | ---- | ---- | 1117 UNCH |
| FEB21 | ---- | ---- | 2.844 | + 0.003 | ---- | ---- | 621 UNCH |
| MAR21 | ---- | ---- | 2.758 | + 0.005 | ---- | ---- | 915 UNCH |
| APR21 | ---- | ---- | 2.510 | + 0.007 | ---- | ---- | 667 UNCH |
| MAY21 | ---- | ---- | 2.486 | + 0.007 | ---- | ---- | 455 UNCH |
| JUN21 | ---- | ---- | 2.512 | + 0.005 | ---- | ---- | 397 UNCH |
| JUL21 | ---- | ---- | 2.542 | + 0.005 | ---- | ---- | 365 UNCH |
| AUG21 | ---- | ---- | 2.553 | + 0.005 | ---- | ---- | 375 UNCH |
| SEP21 | ---- | ---- | 2.551 | + 0.005 | ---- | ---- | 381 UNCH |
| OCT21 | ---- | ---- | 2.577 | + 0.005 | ---- | ---- | 399 UNCH |
| NOV21 | ---- | ---- | 2.635 | + 0.005 | ---- | ---- | 348 UNCH |
| DEC21 | ---- | ---- | 2.777 | + 0.005 | ---- | ---- | 432 UNCH |
| JAN22 | ---- | ---- | 2.885 | + 0.005 | ---- | ---- | 165 UNCH |
| FEB22 | ---- | ---- | 2.855 | + 0.005 | ---- | ---- | 102 UNCH |
| MAR22 | ---- | ---- | 2.785 | + 0.005 | ---- | ---- | 79 UNCH |
| APR22 | ---- | ---- | 2.540 | + 0.005 | ---- | ---- | 44 UNCH |
| MAY22 | ---- | ---- | 2.519 | + 0.005 | ---- | ---- | 42 UNCH |
| JUN22 | ---- | ---- | 2.545 | + 0.005 | ---- | ---- | 43 UNCH |
| JUL22 | ---- | ---- | 2.573 | + 0.005 | ---- | ---- | 45 UNCH |
| AUG22 | ---- | ---- | 2.586 | + 0.005 | ---- | ---- | 53 UNCH |
| SEP22 | ---- | ---- | 2.587 | + 0.005 | ---- | ---- | 90 UNCH |
| OCT22 | ---- | ---- | 2.614 | + 0.004 | ---- | ---- | 18 UNCH |
| NOV22 | ---- | ---- | 2.675 | + 0.004 | ---- | ---- | 14 UNCH |
| DEC22 | ---- | ---- | 2.820 | + 0.004 | ---- | ---- | 21 UNCH |
| JAN23 | ---- | 2.932B | 2.932 | + 0.004 | ---- | ---- | 23 UNCH |
| FEB23 | ---- | ---- | 2.905 | + 0.003 | ---- | ---- | 18 UNCH |
| MAR23 | ---- | ---- | 2.840 | + 0.003 | ---- | ---- | 15 UNCH |
| APR23 | ---- | ---- | 2.610 | + 0.003 | ---- | ---- | 12 UNCH |
| MAY23 | ---- | ---- | 2.592 | + 0.003 | ---- | ---- | 14 UNCH |
| JUN23 | ---- | ---- | 2.617 | + 0.003 | ---- | ---- | 12 UNCH |
| JUL23 | ---- | ---- | 2.644 | + 0.003 | ---- | ---- | 12 UNCH |
| AUG23 | ---- | ---- | 2.660 | + 0.003 | ---- | ---- | 27 UNCH |
| SEP23 | ---- | ---- | 2.662 | + 0.003 | ---- | ---- | 1 UNCH |
| OCT23 | ---- | ---- | 2.690 | + 0.003 | ---- | ---- | 16 UNCH |
| NOV23 | ---- | ---- | 2.751 | + 0.003 | ---- | ---- | 12 UNCH |
| DEC23 | ---- | ---- | 2.897 | + 0.003 | ---- | ---- | 12 UNCH |
| JAN24 | ---- | ---- | 3.013 | + 0.003 | ---- | ---- | 11 UNCH |
| FEB24 | ---- | ---- | 2.987 | + 0.003 | ---- | ---- | 11 UNCH |
| MAR24 | ---- | ---- | 2.922 | + 0.003 | ---- | ---- | 11 UNCH |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| NG FUT | NATURAL GAS HENRY HUB (PHYSICAL) | | | | | | | |
| APR24 | ---- | ---- | 2.682 | + 0.003 | ---- | ---- | 11 | UNCH |
| MAY24 | ---- | ---- | 2.664 | + 0.003 | ---- | ---- | 15 | UNCH |
| JUN24 | ---- | ---- | 2.689 | + 0.003 | ---- | ---- | 11 | UNCH |
| JUL24 | ---- | ---- | 2.718 | + 0.003 | ---- | ---- | 11 | UNCH |
| AUG24 | ---- | ---- | 2.735 | + 0.003 | ---- | ---- | 4 | UNCH |
| MAY25 | ---- | ---- | 2.739 | + 0.003 | ---- | ---- | 1 | UNCH |
| TOTAL NG FUT | | | | | 335185 | 9385 | 1469476 | + 11549 |
| BZ FUT | NYMEX BRENT OIL LAST DAY FUTURES | | | | | | | |
| AUG18 | 76.48 | 78.17 /76.28 | 77.62 | + 1.31 | 23710 | 762 | 17180 | - 1660 |
| SEP18 | 76.45 | 78.02 /76.12 | 77.46 | + 1.32 | 30982 | 380 | 28730 | + 1039 |
| OCT18 | 76.20 | 77.68 /75.85 | 77.17 | + 1.34 | 9145 | 102 | 18083 | - 380 |
| NOV18 | 75.73 | 77.07 /75.73 | 76.90 | + 1.34 | 7397 | ---- | 10496 | - 585 |
| DEC18 | 75.51 | 77.03 /75.30 | 76.57 | + 1.35 | 12239 | 216 | 35515 | - 258 |
| JAN19 | ---- | 76.28B | 76.21 | + 1.33 | 2308 | ---- | 13978 | + 131 |
| FEB19 | 74.99 | 76.00 /74.99 | 75.82 | + 1.28 | 1188 | ---- | 4755 | + 75 |
| MAR19 | 74.44 | 75.70 /74.44 | 75.42 | + 1.22 | 2029 | ---- | 7720 | - 128 |
| APR19 | ---- | ---- | 75.04 | + 1.17 | 609 | ---- | 6578 | + 9 |
| MAY19 | ---- | ---- | 74.65 | + 1.11 | 489 | ---- | 3699 | + 37 |
| JUN19 | 73.62 | 74.51 /73.62 | 74.27 | + 1.05 | 4732 | ---- | 14087 | - 261 |
| JUL19 | ---- | ---- | 73.92 | + 0.99 | 175 | ---- | 2827 | - 16 |
| AUG19 | ---- | ---- | 73.59 | + 0.94 | 110 | ---- | 2335 | + 7 |
| SEP19 | ---- | ---- | 73.22 | + 0.89 | 163 | ---- | 4200 | - 68 |
| OCT19 | ---- | ---- | 72.87 | + 0.84 | 1 | ---- | 2550 | UNCH |
| NOV19 | ---- | ---- | 72.53 | + 0.79 | 1 | ---- | 2510 | UNCH |
| DEC19 | 71.52 | 72.54 /71.26 | 72.13 | + 0.75 | 3109 | 300 | 17275 | + 250 |
| JAN20 | ---- | ---- | 71.78 | + 0.71 | ---- | ---- | 1193 | UNCH |
| FEB20 | ---- | ---- | 71.47 | + 0.67 | ---- | ---- | 731 | UNCH |
| MAR20 | ---- | ---- | 71.15 | + 0.64 | ---- | ---- | 540 | UNCH |
| APR20 | ---- | ---- | 70.84 | + 0.59 | ---- | ---- | 278 | UNCH |
| MAY20 | ---- | ---- | 70.57 | + 0.57 | ---- | ---- | 280 | UNCH |
| JUN20 | ---- | ---- | 70.28 | + 0.53 | 179 | ---- | 2613 | + 43 |
| JUL20 | ---- | ---- | 69.98 | + 0.50 | ---- | ---- | 298 | UNCH |
| AUG20 | ---- | ---- | 69.69 | + 0.48 | ---- | ---- | 278 | UNCH |
| SEP20 | ---- | ---- | 69.40 | + 0.46 | ---- | ---- | 278 | UNCH |
| OCT20 | ---- | ---- | 69.11 | + 0.43 | ---- | ---- | 373 | UNCH |
| NOV20 | ---- | ---- | 68.83 | + 0.40 | ---- | ---- | 278 | UNCH |
| DEC20 | 68.08 | 69.14 /68.08 | 68.54 | + 0.38 | 1087 | ---- | 8740 | + 295 |
| DEC21 | ---- | ---- | 66.04 | + 0.18 | 28 | ---- | 377 | + 16 |
| DEC22 | ---- | ---- | 64.28 | + 0.07 | ---- | ---- | 16 | UNCH |
| TOTAL BZ FUT | | | | | 99681 | 1760 | 208791 | - 1454 |
| 7F FUT | EUROPEAN GASOIL ICE FUTURE | | | | | | | |
| JUL18 | ---- | ---- | 666.00 | + 22.25 | 10 | ---- | 43 | - 10 |
| AUG18 | ---- | ---- | 667.00 | + 22.00 | 10 | ---- | 27 | + 10 |
| SEP18 | ---- | ---- | 668.75 | + 22.00 | ---- | ---- | 48 | UNCH |
| OCT18 | ---- | ---- | 670.25 | + 21.75 | ---- | ---- | 20 | UNCH |
| NOV18 | ---- | ---- | 668.75 | + 21.50 | ---- | ---- | 10 | UNCH |
| DEC18 | ---- | ---- | 667.25 | + 21.25 | ---- | ---- | 2 | UNCH |
| TOTAL 7F FUT | | | | | 20 | | 150 | |
| QM FUT | E-MINI CRUDE OIL FUTURES | | | | | | | |
| AUG18 | 70.700 | 73.050 /70.575 | 72.760 | + 2.230 | 21128 | ---- | 2305 | + 103 |
| SEP18 | 69.450 | 71.475 /69.300 | 71.260 | + 1.980 | 435 | ---- | 571 | + 41 |
| OCT18 | 68.275 | 70.175B/68.150 | 69.960 | + 1.800 | 109 | ---- | 334 | + 33 |
| NOV18 | 67.975 | 69.400 /67.975 | 69.220 | + 1.630 | 36 | ---- | 106 | - 24 |
| DEC18 | 66.650 | 68.775B/66.650 | 68.610 | + 1.440 | 51 | ---- | 193 | - 17 |
| JAN19 | ---- | ---- | 68.040 | + 1.300 | 2 | ---- | 77 | - 2 |
| FEB19 | 66.450 | 67.625 /66.450 | 67.460 | + 1.170 | 6 | ---- | 40 | UNCH |
| MAR19 | ---- | ---- | 66.950 | + 1.080 | ---- | ---- | 13 | UNCH |
| APR19 | 66.000 | 66.825 /66.000 | 66.480 | + 1.000 | 6 | ---- | 35 | + 2 |
| MAY19 | ---- | ---- | 66.060 | + 0.960 | 10 | ---- | 46 | + 10 |
| JUN19 | 64.600 | 64.600 /64.600 | 65.680 | + 0.920 | 11 | ---- | 51 | + 9 |
| JUL19 | ---- | ---- | 65.240 | + 0.870 | ---- | ---- | 2 | UNCH |
| DEC19 | ---- | ---- | 63.590 | + 0.640 | 5 | ---- | 29 | + 5 |
| JUL20 | ---- | ---- | 61.520 | + 0.400 | ---- | ---- | 1 | UNCH |
| DEC20 | ---- | ---- | 60.440 | + 0.260 | ---- | ---- | 7 | UNCH |
| JUL21 | ---- | ---- | 58.990 | + 0.140 | ---- | ---- | 1 | UNCH |
| DEC21 | ---- | ---- | 58.160 | + 0.100 | ---- | ---- | 7 | UNCH |
| DEC22 | ---- | ---- | 56.600 | + 0.070 | ---- | ---- | 1 | UNCH |
| TOTAL QM FUT | | | | | 21799 | | 3819 | + 160 |
| QH FUT | E-MINI HEATING OIL FUTURES | | | | | | | |
| AUG18 | ---- | ---- | 2.1796 | + 0.0471 | ---- | ---- | 1 | UNCH |
| TOTAL QH FUT | | | | | | | 1 | |
| QU FUT | E-MINI GASOLINE FUTURES | | | | | | | |
| JUL18 | ---- | ---- | 2.1336 | + 0.0590 | ---- | ---- | 0 | UNCH |
| TOTAL QU FUT | | | | | | | 0 | |
| QG FUT | E-MINI NATURAL GAS | | | | | | | |
| JUL18 | ---- | ---- | 2.939 | UNCH | ---- | ---- | 0 | - 608 |
| AUG18 | 2.945 | 3.000 /2.940 | 2.981 | + 0.050 | 1196 | ---- | 986 | + 352 |
| SEP18 | 2.915 | 2.965 /2.915 | 2.951 | + 0.044 | 23 | ---- | 91 | + 3 |
| OCT18 | 2.940 | 2.960 /2.940 | 2.955 | + 0.042 | 6 | ---- | 50 | UNCH |
| NOV18 | ---- | 2.995B | 2.993 | + 0.039 | ---- | ---- | 24 | UNCH |
| DEC18 | ---- | ---- | 3.098 | + 0.034 | ---- | ---- | 22 | UNCH |
| JAN19 | 3.175 | 3.175 /3.175 | 3.180 | + 0.031 | 2 | ---- | 21 | UNCH |
| FEB19 | ---- | ---- | 3.142 | + 0.029 | ---- | ---- | 19 | UNCH |
| MAR19 | ---- | ---- | 3.043 | + 0.029 | ---- | ---- | 15 | UNCH |
| APR19 | ---- | ---- | 2.695 | + 0.021 | ---- | ---- | 13 | UNCH |
| MAY19 | ---- | ---- | 2.656 | + 0.020 | ---- | ---- | 7 | UNCH |
| JUN19 | ---- | ---- | 2.683 | + 0.020 | ---- | ---- | 5 | UNCH |
| JUL19 | ---- | ---- | 2.714 | + 0.020 | ---- | ---- | 6 | UNCH |
| AUG19 | ---- | ---- | 2.721 | + 0.020 | ---- | ---- | 2 | UNCH |
| SEP19 | ---- | ---- | 2.706 | + 0.020 | ---- | ---- | 2 | UNCH |
| OCT19 | ---- | ---- | 2.725 | + 0.021 | ---- | ---- | 2 | UNCH |
| NOV19 | ---- | ---- | 2.778 | + 0.021 | ---- | ---- | 2 | UNCH |
| DEC19 | ---- | ---- | 2.902 | + 0.021 | ---- | ---- | 3 | UNCH |
| MAY20 | ---- | ---- | 2.527 | + 0.006 | ---- | ---- | 1 | UNCH |
| TOTAL QG FUT | | | | | 1227 | | 1271 | - 253 |

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**FINAL**



## CRUDE OIL FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. | CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| E5 FUT | ARGUS LLS VS. WTI (ARG) TRD M | | | | | | | |
| JUL18 | ---- | ---- | 7.48 | UNCH | ---- | ---- | 6329 - | 270 |
| AUG18 | ---- | ---- | 2.38 | - 1.02 | ---- | 280 | 7185 + | 50 |
| SEP18 | ---- | ---- | 2.88 | - 0.70 | ---- | 385 | 5980 + | 50 |
| OCT18 | ---- | ---- | 3.25 | - 0.50 | ---- | 220 | 6433 + | 115 |
| NOV18 | ---- | ---- | 3.35 | - 0.49 | ---- | 170 | 6527 + | 170 |
| DEC18 | ---- | ---- | 3.45 | - 0.51 | ---- | 170 | 6681 + | 170 |
| JAN19 | ---- | ---- | 3.56 | - 0.30 | ---- | 40 | 1683 - | 25 |
| FEB19 | ---- | ---- | 3.61 | - 0.10 | ---- | 40 | 1332 + | 15 |
| MAR19 | ---- | ---- | 3.66 | + 0.10 | ---- | 40 | 1332 + | 15 |
| APR19 | ---- | ---- | 3.65 | + 0.13 | ---- | 40 | 1307 + | 15 |
| MAY19 | ---- | ---- | 3.65 | + 0.18 | ---- | 40 | 1307 + | 15 |
| JUN19 | ---- | ---- | 3.65 | + 0.23 | ---- | 40 | 1307 + | 15 |
| JUL19 | ---- | ---- | 3.60 | + 0.28 | ---- | 40 | 1327 + | 15 |
| AUG19 | ---- | ---- | 3.53 | + 0.21 | ---- | 40 | 1327 + | 15 |
| SEP19 | ---- | ---- | 3.53 | + 0.21 | ---- | 40 | 1327 + | 15 |
| OCT19 | ---- | ---- | 3.40 | + 0.25 | ---- | 40 | 1327 + | 15 |
| NOV19 | ---- | ---- | 3.40 | + 0.25 | ---- | 40 | 1327 + | 15 |
| DEC19 | ---- | ---- | 3.40 | + 0.25 | ---- | 40 | 1327 + | 15 |
| JAN20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 197 | UNCH |
| FEB20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 47 | UNCH |
| MAR20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 47 | UNCH |
| APR20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 47 | UNCH |
| MAY20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 47 | UNCH |
| JUN20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 47 | UNCH |
| JUL20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 46 | UNCH |
| AUG20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 46 | UNCH |
| SEP20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 46 | UNCH |
| OCT20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 46 | UNCH |
| NOV20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 46 | UNCH |
| DEC20 | ---- | ---- | 3.09 | + 0.09 | ---- | ---- | 46 | UNCH |
| TOTAL E5 FUT | | | | | | 1705 | 56073 + | 425 |
| 38 FUT | ARGUS SOUR CRUDE NDX VS WTI DIF CAL | | | | | | | |
| JUN18 | ---- | ---- | 3.24 | - 0.31 | ---- | ---- | 255 | UNCH |
| JUL18 | ---- | ---- | 0.44 | UNCH | ---- | ---- | 205 | UNCH |
| AUG18 | ---- | ---- | 0.47 | UNCH | ---- | ---- | 205 | UNCH |
| SEP18 | ---- | ---- | 0.54 | UNCH | ---- | ---- | 205 | UNCH |
| OCT18 | ---- | ---- | 0.52 | UNCH | ---- | ---- | 205 | UNCH |
| NOV18 | ---- | ---- | 0.52 | UNCH | ---- | ---- | 205 | UNCH |
| DEC18 | ---- | ---- | 0.56 | UNCH | ---- | ---- | 205 | UNCH |
| TOTAL 38 FUT | | | | | | | 1485 | |
| CY FUT | BRENT CALENDAR | | | | | | | |
| JUN18 | ---- | ---- | 75.84 | + 0.19 | ---- | ---- | 1126 | UNCH |
| JUL18 | ---- | ---- | 77.45 | + 1.32 | ---- | ---- | 1159 | UNCH |
| AUG18 | ---- | ---- | 77.16 | + 1.34 | ---- | ---- | 697 | UNCH |
| SEP18 | ---- | ---- | 76.88 | + 1.34 | ---- | ---- | 1718 | UNCH |
| OCT18 | ---- | ---- | 76.55 | + 1.34 | ---- | ---- | 568 | UNCH |
| NOV18 | ---- | ---- | 76.19 | + 1.33 | ---- | ---- | 567 | UNCH |
| DEC18 | ---- | ---- | 75.78 | + 1.27 | ---- | ---- | 668 | UNCH |
| JAN19 | ---- | ---- | 75.40 | + 1.21 | ---- | ---- | 962 | UNCH |
| FEB19 | ---- | ---- | 75.02 | + 1.17 | ---- | ---- | 773 | UNCH |
| MAR19 | ---- | ---- | 74.63 | + 1.11 | ---- | ---- | 772 | UNCH |
| APR19 | ---- | ---- | 74.25 | + 1.04 | ---- | ---- | 787 | UNCH |
| MAY19 | ---- | ---- | 73.91 | + 0.99 | ---- | ---- | 786 | UNCH |
| JUN19 | ---- | ---- | 73.57 | + 0.94 | ---- | ---- | 786 | UNCH |
| JUL19 | ---- | ---- | 73.20 | + 0.88 | ---- | ---- | 504 | UNCH |
| AUG19 | ---- | ---- | 72.85 | + 0.83 | ---- | ---- | 504 | UNCH |
| SEP19 | ---- | ---- | 72.51 | + 0.79 | ---- | ---- | 503 | UNCH |
| OCT19 | ---- | ---- | 72.11 | + 0.74 | ---- | ---- | 420 | UNCH |
| NOV19 | ---- | ---- | 71.77 | + 0.71 | ---- | ---- | 419 | UNCH |
| DEC19 | ---- | ---- | 71.44 | + 0.67 | ---- | ---- | 519 | UNCH |
| JAN20 | ---- | ---- | 71.14 | + 0.64 | ---- | ---- | 395 | UNCH |
| FEB20 | ---- | ---- | 70.83 | + 0.59 | ---- | ---- | 395 | UNCH |
| MAR20 | ---- | ---- | 70.56 | + 0.57 | ---- | ---- | 395 | UNCH |
| APR20 | ---- | ---- | 70.27 | + 0.53 | ---- | ---- | 397 | UNCH |
| MAY20 | ---- | ---- | 69.97 | + 0.50 | ---- | ---- | 397 | UNCH |
| JUN20 | ---- | ---- | 69.68 | + 0.48 | ---- | ---- | 397 | UNCH |
| JUL20 | ---- | ---- | 69.39 | + 0.46 | ---- | ---- | 395 | UNCH |
| AUG20 | ---- | ---- | 69.08 | + 0.42 | ---- | ---- | 395 | UNCH |
| SEP20 | ---- | ---- | 68.82 | + 0.40 | ---- | ---- | 395 | UNCH |
| OCT20 | ---- | ---- | 68.53 | + 0.38 | ---- | ---- | 480 | UNCH |
| NOV20 | ---- | ---- | 68.26 | + 0.36 | ---- | ---- | 395 | UNCH |
| DEC20 | ---- | ---- | 68.00 | + 0.35 | ---- | ---- | 395 | UNCH |
| JAN21 | ---- | ---- | 67.76 | + 0.33 | ---- | ---- | 59 | UNCH |
| FEB21 | ---- | ---- | 67.55 | + 0.30 | ---- | ---- | 59 | UNCH |
| MAR21 | ---- | ---- | 67.35 | + 0.28 | ---- | ---- | 58 | UNCH |
| APR21 | ---- | ---- | 67.15 | + 0.26 | ---- | ---- | 58 | UNCH |
| MAY21 | ---- | ---- | 66.94 | + 0.24 | ---- | ---- | 58 | UNCH |
| JUN21 | ---- | ---- | 66.75 | + 0.22 | ---- | ---- | 58 | UNCH |
| JUL21 | ---- | ---- | 66.57 | + 0.21 | ---- | ---- | 58 | UNCH |
| AUG21 | ---- | ---- | 66.39 | + 0.20 | ---- | ---- | 58 | UNCH |
| SEP21 | ---- | ---- | 66.21 | + 0.19 | ---- | ---- | 58 | UNCH |
| OCT21 | ---- | ---- | 66.03 | + 0.18 | ---- | ---- | 58 | UNCH |
| NOV21 | ---- | ---- | 65.88 | + 0.17 | ---- | ---- | 57 | UNCH |
| DEC21 | ---- | ---- | 65.73 | + 0.16 | ---- | ---- | 57 | UNCH |
| JAN22 | ---- | ---- | 65.58 | + 0.15 | ---- | ---- | 4 | UNCH |
| FEB22 | ---- | ---- | 65.43 | + 0.14 | ---- | ---- | 4 | UNCH |
| MAR22 | ---- | ---- | 65.28 | + 0.13 | ---- | ---- | 4 | UNCH |
| APR22 | ---- | ---- | 65.13 | + 0.12 | ---- | ---- | 4 | UNCH |
| MAY22 | ---- | ---- | 64.99 | + 0.12 | ---- | ---- | 4 | UNCH |
| JUN22 | ---- | ---- | 64.85 | + 0.12 | ---- | ---- | 4 | UNCH |
| JUL22 | ---- | ---- | 64.70 | + 0.11 | ---- | ---- | 4 | UNCH |
| AUG22 | ---- | ---- | 64.55 | + 0.09 | ---- | ---- | 4 | UNCH |
| SEP22 | ---- | ---- | 64.41 | + 0.08 | ---- | ---- | 4 | UNCH |
| OCT22 | ---- | ---- | 64.27 | + 0.06 | ---- | ---- | 4 | UNCH |
| NOV22 | ---- | ---- | 64.17 | + 0.05 | ---- | ---- | 3 | UNCH |
| DEC22 | ---- | ---- | 64.05 | + 0.03 | ---- | ---- | 3 | UNCH |
| JAN23 | ---- | ---- | 63.96 | + 0.02 | ---- | ---- | 3 | UNCH |
| FEB23 | ---- | ---- | 63.86 | + 0.01 | ---- | ---- | 3 | UNCH |
| MAR23 | ---- | ---- | 63.76 | UNCH | ---- | ---- | 3 | UNCH |
| APR23 | ---- | ---- | 63.65 | - 0.02 | ---- | ---- | 3 | UNCH |
| MAY23 | ---- | ---- | 63.56 | - 0.02 | ---- | ---- | 3 | UNCH |
| JUN23 | ---- | ---- | 63.46 | - 0.03 | ---- | ---- | 3 | UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| CY FUT | BRENT CALENDAR | | | | | | | | |
| JUL23 | ---- | ---- | 63.36 | - | 0.04 | ---- | ---- | 3 | UNCH |
| AUG23 | ---- | ---- | 63.27 | - | 0.05 | ---- | ---- | 3 | UNCH |
| SEP23 | ---- | ---- | 63.18 | - | 0.06 | ---- | ---- | 3 | UNCH |
| OCT23 | ---- | ---- | 63.09 | - | 0.07 | ---- | ---- | 3 | UNCH |
| TOTAL CY FUT | | | | | | | | 19841 | |
| WCC FUT | CANADIAN HEAVY CRUDE(NET ENRGY) FUT | | | | | | | | |
| AUG18 | ---- | ---- | -20.700 | - | 0.700 | ---- | ---- | 160 | UNCH |
| SEP18 | ---- | ---- | -24.900 | - | 1.900 | ---- | ---- | 160 | UNCH |
| OCT18 | ---- | ---- | -23.250 | | UNCH | ---- | ---- | 160 | UNCH |
| NOV18 | ---- | ---- | -23.500 | | UNCH | ---- | ---- | 160 | UNCH |
| DEC18 | ---- | ---- | -23.750 | | UNCH | ---- | ---- | 160 | UNCH |
| TOTAL WCC FUT | | | | | | | | 800 | |
| CIL FUT | CANADIAN LIGHT SWEET OIL | | | | | | | | |
| AUG18 | ---- | ---- | -5.750 | + | 0.250 | ---- | ---- | 7 | UNCH |
| SEP18 | ---- | ---- | -5.600 | + | 0.550 | ---- | ---- | 7 | UNCH |
| OCT18 | ---- | ---- | -6.500 | + | 0.300 | ---- | ---- | 7 | UNCH |
| NOV18 | ---- | ---- | -7.100 | + | 0.300 | ---- | ---- | 7 | UNCH |
| DEC18 | ---- | ---- | -7.400 | + | 0.300 | ---- | ---- | 7 | UNCH |
| TOTAL CIL FUT | | | | | | | | 35 | |
| FY FUT | DATED TO FRONTLINE BRENT CLNDR | | | | | | | | |
| JUN18 | ---- | ---- | -1.82 | - | 0.31 | ---- | ---- | 715 | UNCH |
| JUL18 | ---- | ---- | -0.64 | - | 0.07 | ---- | 240 | 665 | + 240 |
| AUG18 | ---- | ---- | -0.16 | - | 0.07 | ---- | ---- | 275 | UNCH |
| SEP18 | ---- | ---- | -0.15 | | UNCH | ---- | ---- | 275 | UNCH |
| OCT18 | ---- | ---- | -0.13 | + | 0.03 | ---- | ---- | 150 | UNCH |
| NOV18 | ---- | ---- | -0.14 | + | 0.03 | ---- | ---- | 150 | UNCH |
| DEC18 | ---- | ---- | -0.15 | + | 0.04 | ---- | ---- | 425 | UNCH |
| JAN19 | ---- | ---- | -0.12 | + | 0.06 | ---- | ---- | 295 | UNCH |
| FEB19 | ---- | ---- | -0.12 | + | 0.06 | ---- | ---- | 295 | UNCH |
| MAR19 | ---- | ---- | -0.12 | + | 0.06 | ---- | ---- | 295 | UNCH |
| APR19 | ---- | ---- | -0.14 | + | 0.06 | ---- | ---- | 295 | UNCH |
| MAY19 | ---- | ---- | -0.14 | + | 0.06 | ---- | ---- | 295 | UNCH |
| JUN19 | ---- | ---- | -0.14 | + | 0.06 | ---- | ---- | 295 | UNCH |
| JUL19 | ---- | ---- | -0.15 | + | 0.06 | ---- | ---- | 50 | UNCH |
| AUG19 | ---- | ---- | -0.15 | + | 0.06 | ---- | ---- | 50 | UNCH |
| SEP19 | ---- | ---- | -0.15 | + | 0.06 | ---- | ---- | 50 | UNCH |
| OCT19 | ---- | ---- | -0.14 | + | 0.06 | ---- | ---- | 50 | UNCH |
| NOV19 | ---- | ---- | -0.14 | + | 0.06 | ---- | ---- | 50 | UNCH |
| DEC19 | ---- | ---- | -0.14 | + | 0.06 | ---- | ---- | 145 | UNCH |
| JAN20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| FEB20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| MAR20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| APR20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| MAY20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| JUN20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| JUL20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| AUG20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| SEP20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| OCT20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| NOV20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| DEC20 | ---- | ---- | -0.18 | + | 0.02 | ---- | ---- | 50 | UNCH |
| TOTAL FY FUT | | | | | | | 240 | 5420 | + 240 |
| DC FUT | DUBAI CRUDE OIL CALENDAR | | | | | | | | |
| JUN18 | ---- | ---- | 73.580 | + | 0.135 | ---- | ---- | 971 | UNCH |
| JUL18 | ---- | ---- | 74.882 | + | 1.390 | ---- | ---- | 600 | UNCH |
| AUG18 | ---- | ---- | 74.462 | + | 1.390 | ---- | ---- | 300 | UNCH |
| SEP18 | ---- | ---- | 74.090 | + | 1.380 | ---- | ---- | 600 | UNCH |
| NOV18 | ---- | ---- | 73.230 | + | 1.340 | ---- | ---- | 100 | UNCH |
| DEC18 | ---- | ---- | 72.777 | + | 1.305 | ---- | ---- | 100 | UNCH |
| TOTAL DC FUT | | | | | | | | 2671 | |
| UB FUT | EUROPE DATED BRENT | | | | | | | | |
| JUN18 | ---- | ---- | 74.02 | - | 0.12 | ---- | ---- | 75 | UNCH |
| JUL18 | ---- | ---- | 76.81 | + | 1.25 | ---- | ---- | 75 | UNCH |
| TOTAL UB FUT | | | | | | | | 150 | |
| MB FUT | GULF COAST SOUR CRUDE OIL FUTURES | | | | | | | | |
| AUG18 | ---- | ---- | 71.16 | + | 1.83 | ---- | ---- | 200 | UNCH |
| TOTAL MB FUT | | | | | | | | 200 | |
| DB FUT | ICE BRENT DUBAI | | | | | | | | |
| JUN18 | ---- | ---- | 2.256 | + | 0.052 | ---- | ---- | 2370 | UNCH |
| JUL18 | ---- | ---- | 2.565 | - | 0.069 | ---- | ---- | 3904 | UNCH |
| AUG18 | ---- | ---- | 2.696 | - | 0.050 | ---- | ---- | 3679 | UNCH |
| SEP18 | ---- | ---- | 2.794 | - | 0.039 | ---- | ---- | 3679 | UNCH |
| OCT18 | ---- | ---- | 2.913 | - | 0.011 | ---- | 350 | 4286 | UNCH |
| NOV18 | ---- | ---- | 2.962 | - | 0.013 | ---- | 350 | 4241 | UNCH |
| DEC18 | ---- | ---- | 3.003 | - | 0.031 | ---- | 350 | 4386 | UNCH |
| JAN19 | ---- | ---- | 3.044 | - | 0.031 | ---- | ---- | 700 | UNCH |
| FEB19 | ---- | ---- | 3.084 | - | 0.041 | ---- | ---- | 700 | UNCH |
| MAR19 | ---- | ---- | 3.114 | - | 0.042 | ---- | ---- | 700 | UNCH |
| APR19 | ---- | ---- | 3.155 | - | 0.051 | ---- | ---- | 735 | UNCH |
| MAY19 | ---- | ---- | 3.246 | - | 0.031 | ---- | ---- | 735 | UNCH |
| JUN19 | ---- | ---- | 3.345 | - | 0.020 | ---- | ---- | 735 | UNCH |
| JUL19 | ---- | ---- | 3.475 | | UNCH | ---- | ---- | 335 | UNCH |
| AUG19 | ---- | ---- | 3.826 | | UNCH | ---- | ---- | 335 | UNCH |
| SEP19 | ---- | ---- | 4.192 | - | 0.031 | ---- | ---- | 335 | UNCH |
| OCT19 | ---- | ---- | 4.455 | - | 0.041 | ---- | ---- | 460 | UNCH |
| NOV19 | ---- | ---- | 4.676 | - | 0.021 | ---- | ---- | 460 | UNCH |
| DEC19 | ---- | ---- | 4.786 | - | 0.031 | ---- | ---- | 460 | UNCH |
| JAN20 | ---- | ---- | 4.767 | - | 0.050 | ---- | ---- | 1180 | UNCH |
| FEB20 | ---- | ---- | 4.749 | - | 0.050 | ---- | ---- | 1180 | UNCH |
| MAR20 | ---- | ---- | 4.748 | - | 0.051 | ---- | ---- | 1180 | UNCH |
| APR20 | ---- | ---- | 4.747 | - | 0.050 | ---- | ---- | 2120 | UNCH |
| MAY20 | ---- | ---- | 4.727 | - | 0.051 | ---- | ---- | 2120 | UNCH |
| JUN20 | ---- | ---- | 4.707 | - | 0.061 | ---- | ---- | 2120 | UNCH |
| JUL20 | ---- | ---- | 4.687 | - | 0.042 | ---- | ---- | 590 | UNCH |
| AUG20 | ---- | ---- | 4.678 | - | 0.031 | ---- | ---- | 590 | UNCH |
| SEP20 | ---- | ---- | 4.667 | - | 0.040 | ---- | ---- | 590 | UNCH |
| OCT20 | ---- | ---- | 4.638 | - | 0.040 | ---- | ---- | 590 | UNCH |
| NOV20 | ---- | ---- | 4.628 | - | 0.041 | ---- | ---- | 590 | UNCH |
| DEC20 | ---- | ---- | 4.629 | - | 0.040 | ---- | ---- | 590 | UNCH |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| TOTAL DB FUT | | | | | | | 1050 | 46675 | |
| LSW FUT | LIGHT SWEET OIL NET ENERGY MONTHLY | | | | | | | | |
| AUG18 | ---- | ---- | -5.750 | + | 0.250 | ---- | ---- | 175 | UNCH |
| SEP18 | ---- | ---- | -5.600 | + | 0.550 | ---- | ---- | 175 | UNCH |
| OCT18 | ---- | ---- | -6.500 | + | 0.300 | ---- | ---- | 175 | UNCH |
| NOV18 | ---- | ---- | -7.100 | + | 0.300 | ---- | ---- | 175 | UNCH |
| DEC18 | ---- | ---- | -7.400 | + | 0.300 | ---- | ---- | 175 | UNCH |
| TOTAL LSW FUT | | | | | | | | 875 | |
| WJ FUT | LLS (ARGUS) VS WTI | | | | | | | | |
| JUN18 | ---- | ---- | 6.91 | - | 0.12 | ---- | ---- | 1383 | UNCH |
| JUL18 | ---- | ---- | 2.48 | - | 0.95 | ---- | ---- | 2162 | UNCH |
| AUG18 | ---- | ---- | 2.96 | - | 0.66 | ---- | ---- | 2162 | UNCH |
| SEP18 | ---- | ---- | 3.27 | - | 0.49 | ---- | ---- | 2160 | UNCH |
| OCT18 | ---- | ---- | 3.37 | - | 0.49 | ---- | 70 | 1817 | UNCH |
| NOV18 | ---- | ---- | 3.48 | - | 0.46 | ---- | 70 | 1815 | UNCH |
| DEC18 | ---- | ---- | 3.57 | - | 0.26 | ---- | 70 | 1790 | UNCH |
| JAN19 | ---- | ---- | 3.62 | - | 0.06 | ---- | 25 | 1674 | UNCH |
| FEB19 | ---- | ---- | 3.66 | + | 0.11 | ---- | 25 | 1671 | UNCH |
| MAR19 | ---- | ---- | 3.65 | + | 0.14 | ---- | 25 | 1674 | UNCH |
| APR19 | ---- | ---- | 3.65 | + | 0.19 | ---- | 25 | 1828 | + 25 |
| MAY19 | ---- | ---- | 3.64 | + | 0.24 | ---- | 25 | 1829 | + 25 |
| JUN19 | ---- | ---- | 3.59 | + | 0.27 | ---- | 25 | 1848 | + 25 |
| JUL19 | ---- | ---- | 3.53 | + | 0.21 | ---- | 25 | 1704 | + 20 |
| AUG19 | ---- | ---- | 3.50 | + | 0.22 | ---- | 25 | 1704 | + 20 |
| SEP19 | ---- | ---- | 3.40 | + | 0.25 | ---- | 25 | 1703 | + 20 |
| OCT19 | ---- | ---- | 3.40 | + | 0.25 | ---- | 25 | 1704 | + 20 |
| NOV19 | ---- | ---- | 3.35 | + | 0.22 | ---- | 25 | 1703 | + 20 |
| DEC19 | ---- | ---- | 3.09 | + | 0.09 | ---- | 25 | 1704 | + 20 |
| JAN20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| FEB20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| MAR20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| APR20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| MAY20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| JUN20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| JUL20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| AUG20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| SEP20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| OCT20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| NOV20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| DEC20 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 115 | UNCH |
| JAN21 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 5 | UNCH |
| FEB21 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 5 | UNCH |
| MAR21 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 5 | UNCH |
| APR21 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 5 | UNCH |
| MAY21 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 5 | UNCH |
| JUN21 | ---- | ---- | 3.09 | + | 0.09 | ---- | ---- | 5 | UNCH |
| TOTAL WJ FUT | | | | | | | 510 | 35445 | + 195 |
| LPS FUT | LOOP CRUDE OIL STORAGE FUTURES | | | | | | | | |
| AUG18 | ---- | ---- | 0.020 | | UNCH | ---- | ---- | 2700 | UNCH |
| SEP18 | ---- | ---- | 0.020 | | UNCH | ---- | ---- | 2700 | UNCH |
| OCT18 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 2900 | UNCH |
| NOV18 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 2900 | UNCH |
| DEC18 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 2900 | UNCH |
| JAN19 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 1100 | UNCH |
| FEB19 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 1100 | UNCH |
| MAR19 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 1100 | UNCH |
| APR19 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 600 | UNCH |
| MAY19 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 600 | UNCH |
| JUN19 | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 600 | UNCH |
| TOTAL LPS FUT | | | | | | | | 19200 | |
| YX FUT | MARS (ARGUS) VS WTI | | | | | | | | |
| JUN18 | ---- | ---- | 2.90 | - | 0.14 | ---- | ---- | 1905 | UNCH |
| JUL18 | ---- | ---- | -1.77 | - | 0.91 | ---- | ---- | 1560 | UNCH |
| AUG18 | ---- | ---- | -0.84 | - | 0.68 | ---- | ---- | 1330 | UNCH |
| SEP18 | ---- | ---- | -0.19 | - | 0.40 | ---- | ---- | 1330 | UNCH |
| OCT18 | ---- | ---- | 0.31 | - | 0.15 | ---- | ---- | 930 | UNCH |
| NOV18 | ---- | ---- | 0.60 | + | 0.03 | ---- | ---- | 930 | UNCH |
| DEC18 | ---- | ---- | 0.29 | - | 0.07 | ---- | ---- | 930 | UNCH |
| JAN19 | ---- | ---- | 0.05 | - | 0.11 | ---- | 50 | 150 | UNCH |
| FEB19 | ---- | ---- | -0.19 | - | 0.16 | ---- | 50 | 150 | UNCH |
| MAR19 | ---- | ---- | -0.45 | - | 0.18 | ---- | 50 | 150 | UNCH |
| APR19 | ---- | ---- | -0.69 | - | 0.18 | ---- | 50 | 75 | UNCH |
| MAY19 | ---- | ---- | -0.95 | - | 0.14 | ---- | 50 | 75 | UNCH |
| JUN19 | ---- | ---- | -1.25 | - | 0.05 | ---- | 50 | 75 | UNCH |
| JUL19 | ---- | ---- | -1.50 | - | 0.30 | ---- | ---- | 15 | UNCH |
| AUG19 | ---- | ---- | -1.64 | - | 0.28 | ---- | ---- | 15 | UNCH |
| SEP19 | ---- | ---- | -2.10 | - | 0.20 | ---- | ---- | 15 | UNCH |
| OCT19 | ---- | ---- | -2.10 | - | 0.20 | ---- | ---- | 15 | UNCH |
| NOV19 | ---- | ---- | -2.37 | - | 0.20 | ---- | ---- | 15 | UNCH |
| DEC19 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 15 | UNCH |
| JAN20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| FEB20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| MAR20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| APR20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| MAY20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| JUN20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| JUL20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| AUG20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| SEP20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| OCT20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| NOV20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| DEC20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 65 | UNCH |
| TOTAL YX FUT | | | | | | | 300 | 10460 | |
| YV FUT | MARS (ARGUS) VS WTI TRD MTH | | | | | | | | |
| JUL18 | ---- | ---- | 3.58 | | UNCH | ---- | ---- | 5057 | - 55 |
| AUG18 | ---- | ---- | -1.95 | - | 0.95 | ---- | ---- | 5627 | UNCH |
| SEP18 | ---- | ---- | -1.00 | - | 0.75 | ---- | 30 | 4475 | UNCH |
| OCT18 | ---- | ---- | -0.27 | - | 0.44 | ---- | 100 | 1502 | - 100 |
| NOV18 | ---- | ---- | 0.23 | - | 0.19 | ---- | 100 | 1505 | - 100 |
| DEC18 | ---- | ---- | 0.69 | + | 0.06 | ---- | 100 | 1619 | - 63 |
| JAN19 | ---- | ---- | 0.34 | - | 0.06 | ---- | ---- | 765 | UNCH |
| FEB19 | ---- | ---- | 0.10 | - | 0.10 | ---- | ---- | 560 | UNCH |
| MAR19 | ---- | ---- | -0.15 | - | 0.15 | ---- | ---- | 560 | UNCH |

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# ENERGY FUTURES PRODUCTS



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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| YV FUT | MARS (ARGUS) VS WTI TRD MTH | | | | | | | | |
| APR19 | ---- | ---- | -0.40 | - | 0.18 | ---- | ---- | 475 | UNCH |
| MAY19 | ---- | ---- | -0.65 | - | 0.18 | ---- | ---- | 475 | UNCH |
| JUN19 | ---- | ---- | -0.90 | - | 0.18 | ---- | ---- | 495 | UNCH |
| JUL19 | ---- | ---- | -1.20 | | UNCH | ---- | ---- | 445 | UNCH |
| AUG19 | ---- | ---- | -1.50 | - | 0.30 | ---- | ---- | 445 | UNCH |
| SEP19 | ---- | ---- | -1.50 | - | 0.30 | ---- | ---- | 445 | UNCH |
| OCT19 | ---- | ---- | -2.10 | - | 0.20 | ---- | ---- | 445 | UNCH |
| NOV19 | ---- | ---- | -2.10 | - | 0.20 | ---- | ---- | 445 | UNCH |
| DEC19 | ---- | ---- | -2.10 | - | 0.20 | ---- | ---- | 445 | UNCH |
| JAN20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| FEB20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| MAR20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| APR20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| MAY20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| JUN20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| JUL20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| AUG20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| SEP20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| OCT20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| NOV20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| DEC20 | ---- | ---- | -3.91 | - | 0.20 | ---- | ---- | 70 | UNCH |
| TOTAL YV FUT | | | | | | | 330 | 26625 | - 318 |
| BB FUT | NYMEX BRENT FINANCIAL FUTURES | | | | | | | | |
| AUG18 | ---- | ---- | 77.62 | + | 1.31 | ---- | ---- | 382 | UNCH |
| SEP18 | ---- | ---- | 77.46 | + | 1.32 | ---- | ---- | 144 | UNCH |
| NOV18 | ---- | ---- | 76.90 | + | 1.34 | ---- | ---- | 30 | UNCH |
| DEC18 | ---- | ---- | 76.57 | + | 1.35 | ---- | ---- | 3134 | UNCH |
| DEC19 | ---- | ---- | 72.13 | + | 0.75 | ---- | ---- | 158 | UNCH |
| TOTAL BB FUT | | | | | | | | 3848 | |
| UMD FUT | URALS MED VS DATED BRENT FUTURE | | | | | | | | |
| JUN18 | ---- | ---- | -0.865 | - | 0.022 | ---- | ---- | 200 | UNCH |
| TOTAL UMD FUT | | | | | | | | 200 | |
| UNS FUT | URALS NORTH VS MED DATED STRIP FUT | | | | | | | | |
| JUN18 | ---- | ---- | -1.670 | + | 0.016 | ---- | ---- | 700 | UNCH |
| JUL18 | ---- | ---- | -1.550 | + | 0.100 | ---- | ---- | 300 | UNCH |
| TOTAL UNS FUT | | | | | | | | 1000 | |
| CS FUT | WEST TEXAS INTER CRUDE OIL CAL | | | | | | | | |
| JUN18 | ---- | ---- | 67.22 | + | 0.31 | ---- | 30 | 13303 | - 30 |
| JUL18 | ---- | ---- | 72.26 | + | 2.15 | ---- | 768 | 13081 | - 515 |
| AUG18 | ---- | ---- | 70.81 | + | 1.92 | ---- | 633 | 9510 | + 633 |
| SEP18 | ---- | ---- | 69.73 | + | 1.75 | ---- | 4 | 8648 | + 4 |
| OCT18 | ---- | ---- | 69.03 | + | 1.57 | ---- | ---- | 8446 | UNCH |
| NOV18 | ---- | ---- | 68.39 | + | 1.38 | ---- | ---- | 8412 | UNCH |
| DEC18 | ---- | ---- | 67.84 | + | 1.26 | ---- | ---- | 8706 | UNCH |
| JAN19 | ---- | ---- | 67.29 | + | 1.14 | ---- | 89 | 7105 | + 44 |
| FEB19 | ---- | ---- | 66.80 | + | 1.05 | ---- | 85 | 6976 | + 40 |
| MAR19 | ---- | ---- | 66.34 | + | 0.99 | ---- | 89 | 6766 | + 44 |
| APR19 | ---- | ---- | 65.95 | + | 0.95 | ---- | 57 | 6064 | + 7 |
| MAY19 | ---- | ---- | 65.54 | + | 0.90 | ---- | 57 | 6060 | + 7 |
| JUN19 | ---- | ---- | 65.12 | + | 0.85 | ---- | 57 | 6048 | + 7 |
| JUL19 | ---- | ---- | 64.74 | + | 0.81 | ---- | 74 | 5728 | + 29 |
| AUG19 | ---- | ---- | 64.37 | + | 0.75 | ---- | 74 | 5727 | + 29 |
| SEP19 | ---- | ---- | 64.08 | + | 0.71 | ---- | 74 | 5725 | + 29 |
| OCT19 | ---- | ---- | 63.78 | + | 0.66 | ---- | 94 | 5789 | + 44 |
| NOV19 | ---- | ---- | 63.49 | + | 0.63 | ---- | 94 | 5777 | + 44 |
| DEC19 | ---- | ---- | 63.14 | + | 0.60 | ---- | 94 | 5776 | + 44 |
| JAN20 | ---- | ---- | 62.81 | + | 0.56 | ---- | ---- | 2616 | UNCH |
| FEB20 | ---- | ---- | 62.53 | + | 0.52 | ---- | ---- | 2379 | UNCH |
| MAR20 | ---- | ---- | 62.25 | + | 0.48 | ---- | ---- | 2379 | UNCH |
| APR20 | ---- | ---- | 61.99 | + | 0.45 | ---- | ---- | 2323 | UNCH |
| MAY20 | ---- | ---- | 61.72 | + | 0.42 | ---- | ---- | 2323 | UNCH |
| JUN20 | ---- | ---- | 61.45 | + | 0.39 | ---- | ---- | 2323 | UNCH |
| JUL20 | ---- | ---- | 61.19 | + | 0.38 | ---- | ---- | 2272 | UNCH |
| AUG20 | ---- | ---- | 60.95 | + | 0.35 | ---- | ---- | 2272 | UNCH |
| SEP20 | ---- | ---- | 60.74 | + | 0.32 | ---- | ---- | 2257 | UNCH |
| OCT20 | ---- | ---- | 60.54 | + | 0.28 | ---- | ---- | 2237 | UNCH |
| NOV20 | ---- | ---- | 60.39 | + | 0.26 | ---- | ---- | 2254 | UNCH |
| DEC20 | ---- | ---- | 60.15 | + | 0.23 | ---- | ---- | 2299 | UNCH |
| JAN21 | ---- | ---- | 59.91 | + | 0.21 | ---- | ---- | 257 | UNCH |
| FEB21 | ---- | ---- | 59.72 | + | 0.20 | ---- | ---- | 257 | UNCH |
| MAR21 | ---- | ---- | 59.51 | + | 0.18 | ---- | ---- | 256 | UNCH |
| APR21 | ---- | ---- | 59.29 | + | 0.15 | ---- | ---- | 256 | UNCH |
| MAY21 | ---- | ---- | 59.12 | + | 0.14 | ---- | ---- | 256 | UNCH |
| JUN21 | ---- | ---- | 58.94 | + | 0.14 | ---- | ---- | 255 | UNCH |
| JUL21 | ---- | ---- | 58.73 | + | 0.13 | ---- | ---- | 243 | UNCH |
| AUG21 | ---- | ---- | 58.58 | + | 0.12 | ---- | ---- | 243 | UNCH |
| SEP21 | ---- | ---- | 58.42 | + | 0.12 | ---- | ---- | 243 | UNCH |
| OCT21 | ---- | ---- | 58.27 | + | 0.10 | ---- | ---- | 243 | UNCH |
| NOV21 | ---- | ---- | 58.11 | + | 0.10 | ---- | ---- | 242 | UNCH |
| DEC21 | ---- | ---- | 57.92 | + | 0.09 | ---- | ---- | 242 | UNCH |
| JAN22 | ---- | ---- | 57.77 | + | 0.09 | ---- | ---- | 103 | UNCH |
| FEB22 | ---- | ---- | 57.64 | + | 0.09 | ---- | ---- | 103 | UNCH |
| MAR22 | ---- | ---- | 57.48 | + | 0.09 | ---- | ---- | 103 | UNCH |
| APR22 | ---- | ---- | 57.37 | + | 0.09 | ---- | ---- | 103 | UNCH |
| MAY22 | ---- | ---- | 57.23 | + | 0.08 | ---- | ---- | 102 | UNCH |
| JUN22 | ---- | ---- | 57.08 | + | 0.08 | ---- | ---- | 102 | UNCH |
| JUL22 | ---- | ---- | 56.96 | + | 0.08 | ---- | ---- | 102 | UNCH |
| AUG22 | ---- | ---- | 56.85 | + | 0.08 | ---- | ---- | 102 | UNCH |
| SEP22 | ---- | ---- | 56.74 | + | 0.08 | ---- | ---- | 102 | UNCH |
| OCT22 | ---- | ---- | 56.65 | + | 0.07 | ---- | ---- | 102 | UNCH |
| NOV22 | ---- | ---- | 56.56 | + | 0.07 | ---- | ---- | 102 | UNCH |
| DEC22 | ---- | ---- | 56.42 | + | 0.06 | ---- | ---- | 102 | UNCH |
| JAN23 | ---- | ---- | 56.29 | + | 0.06 | ---- | ---- | 51 | UNCH |
| FEB23 | ---- | ---- | 56.18 | + | 0.06 | ---- | ---- | 51 | UNCH |
| MAR23 | ---- | ---- | 56.06 | + | 0.05 | ---- | ---- | 51 | UNCH |
| APR23 | ---- | ---- | 55.96 | + | 0.05 | ---- | ---- | 51 | UNCH |
| MAY23 | ---- | ---- | 55.86 | + | 0.04 | ---- | ---- | 51 | UNCH |
| JUN23 | ---- | ---- | 55.72 | + | 0.04 | ---- | ---- | 51 | UNCH |
| JUL23 | ---- | ---- | 55.60 | + | 0.03 | ---- | ---- | 51 | UNCH |
| AUG23 | ---- | ---- | 55.53 | + | 0.02 | ---- | ---- | 51 | UNCH |
| SEP23 | ---- | ---- | 55.45 | + | 0.02 | ---- | ---- | 51 | UNCH |
| OCT23 | ---- | ---- | 55.40 | + | 0.01 | ---- | ---- | 51 | UNCH |
| NOV23 | ---- | ---- | 55.37 | + | 0.01 | ---- | ---- | 43 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|
| CS FUT | WEST TEXAS INTER CRUDE OIL CAL | | | | | | | | |
| DEC23 | ---- | ---- | 55.27 | + | 0.01 | ---- | ---- | 43 | UNCH |
| JAN24 | ---- | ---- | 55.20 | + | 0.01 | ---- | ---- | 63 | UNCH |
| FEB24 | ---- | ---- | 55.13 | + | 0.01 | ---- | ---- | 63 | UNCH |
| MAR24 | ---- | ---- | 55.05 | + | 0.01 | ---- | ---- | 63 | UNCH |
| APR24 | ---- | ---- | 55.01 | + | 0.01 | ---- | ---- | 63 | UNCH |
| MAY24 | ---- | ---- | 54.95 | + | 0.01 | ---- | ---- | 63 | UNCH |
| JUN24 | ---- | ---- | 54.89 | + | 0.01 | ---- | ---- | 63 | UNCH |
| JUL24 | ---- | ---- | 54.83 | + | 0.01 | ---- | ---- | 63 | UNCH |
| AUG24 | ---- | ---- | 54.77 | + | 0.01 | ---- | ---- | 63 | UNCH |
| SEP24 | ---- | ---- | 54.71 | + | 0.01 | ---- | ---- | 63 | UNCH |
| OCT24 | ---- | ---- | 54.69 | + | 0.01 | ---- | ---- | 63 | UNCH |
| NOV24 | ---- | ---- | 54.69 | + | 0.01 | ---- | ---- | 63 | UNCH |
| DEC24 | ---- | ---- | 54.63 | + | 0.01 | ---- | ---- | 63 | UNCH |
| TOTAL CS FUT | | | | | | | 2373 | 177154 | + 460 |
| WCW FUT | WESTERN CANADIAN SELECT OIL MONTHLY | | | | | | | | |
| AUG18 | ---- | ---- | -20.700 | - | 0.700 | ---- | ---- | 3440 | UNCH |
| SEP18 | ---- | ---- | -24.900 | - | 1.900 | ---- | ---- | 3580 | UNCH |
| OCT18 | ---- | ---- | -23.250 | | UNCH | ---- | ---- | 2101 | UNCH |
| NOV18 | ---- | ---- | -23.500 | | UNCH | ---- | ---- | 1891 | UNCH |
| DEC18 | ---- | ---- | -23.750 | | UNCH | ---- | ---- | 1886 | UNCH |
| JAN19 | ---- | ---- | -24.100 | - | 0.250 | ---- | ---- | 574 | UNCH |
| FEB19 | ---- | ---- | -24.000 | - | 0.250 | ---- | ---- | 594 | UNCH |
| MAR19 | ---- | ---- | -23.900 | - | 0.250 | ---- | ---- | 594 | UNCH |
| APR19 | ---- | ---- | -22.100 | - | 0.250 | ---- | ---- | 504 | UNCH |
| MAY19 | ---- | ---- | -22.200 | - | 0.250 | ---- | ---- | 484 | UNCH |
| JUN19 | ---- | ---- | -22.300 | - | 0.250 | ---- | ---- | 484 | UNCH |
| JUL19 | ---- | ---- | -21.250 | - | 0.750 | ---- | ---- | 404 | UNCH |
| AUG19 | ---- | ---- | -21.400 | - | 0.750 | ---- | ---- | 404 | UNCH |
| SEP19 | ---- | ---- | -21.550 | - | 0.750 | ---- | ---- | 404 | UNCH |
| OCT19 | ---- | ---- | -22.250 | - | 0.750 | ---- | ---- | 424 | UNCH |
| NOV19 | ---- | ---- | -22.400 | - | 0.750 | ---- | ---- | 424 | UNCH |
| DEC19 | ---- | ---- | -22.550 | - | 0.750 | ---- | ---- | 424 | UNCH |
| JAN20 | ---- | ---- | -22.000 | - | 0.550 | ---- | ---- | 74 | UNCH |
| FEB20 | ---- | ---- | -22.100 | - | 0.550 | ---- | ---- | 74 | UNCH |
| MAR20 | ---- | ---- | -22.200 | - | 0.550 | ---- | ---- | 74 | UNCH |
| APR20 | ---- | ---- | -21.650 | - | 0.550 | ---- | ---- | 74 | UNCH |
| MAY20 | ---- | ---- | -21.750 | - | 0.550 | ---- | ---- | 74 | UNCH |
| JUN20 | ---- | ---- | -21.300 | - | 0.550 | ---- | ---- | 74 | UNCH |
| JUL20 | ---- | ---- | -20.800 | - | 0.550 | ---- | ---- | 74 | UNCH |
| AUG20 | ---- | ---- | -20.900 | - | 0.550 | ---- | ---- | 74 | UNCH |
| SEP20 | ---- | ---- | -21.000 | - | 0.550 | ---- | ---- | 74 | UNCH |
| OCT20 | ---- | ---- | -21.250 | - | 0.550 | ---- | ---- | 74 | UNCH |
| NOV20 | ---- | ---- | -22.100 | - | 0.550 | ---- | ---- | 74 | UNCH |
| DEC20 | ---- | ---- | -22.200 | - | 0.550 | ---- | ---- | 74 | UNCH |
| TOTAL WCW FUT | | | | | | | | 19504 | |
| 42 FUT | WTI BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | 67.29 | + | 0.33 | ---- | ---- | 60 | UNCH |
| 06JUN18 | ---- | ---- | 67.53 | + | 0.37 | ---- | ---- | 162 | UNCH |
| 11JUN18 | ---- | ---- | 67.95 | + | 0.45 | ---- | ---- | 90 | UNCH |
| 15JUN18 | ---- | ---- | 68.47 | + | 0.60 | ---- | ---- | 50 | UNCH |
| 25JUN18 | ---- | ---- | 71.38 | + | 1.34 | ---- | ---- | 50 | UNCH |
| TOTAL 42 FUT | | | | | | | | 412 | |
| WS FUT | WTI FINANCIAL FUTURES | | | | | | | | |
| DEC18 | ---- | ---- | 68.61 | + | 1.44 | ---- | ---- | 286 | UNCH |
| DEC19 | ---- | ---- | 63.59 | + | 0.64 | ---- | ---- | 250 | UNCH |
| DEC20 | ---- | ---- | 60.44 | + | 0.26 | ---- | ---- | 36 | UNCH |
| TOTAL WS FUT | | | | | | | | 572 | |
| HTT FUT | WTI HOUSTON ARGUS V.WTI TRADE MONTH | | | | | | | | |
| JUL18 | ---- | ---- | 7.14 | | UNCH | ---- | ---- | 8155 | - 90 |
| AUG18 | ---- | ---- | 2.74 | - | 0.46 | ---- | 250 | 8799 | + 50 |
| SEP18 | ---- | ---- | 2.90 | - | 0.45 | ---- | 375 | 8610 | + 345 |
| OCT18 | ---- | ---- | 3.26 | - | 0.40 | ---- | 775 | 8859 | + 610 |
| NOV18 | ---- | ---- | 3.35 | - | 0.21 | ---- | 775 | 8760 | + 535 |
| DEC18 | ---- | ---- | 3.55 | - | 0.11 | ---- | 775 | 8869 | + 535 |
| JAN19 | ---- | ---- | 3.55 | - | 0.15 | ---- | 20 | 4827 | UNCH |
| FEB19 | ---- | ---- | 3.55 | - | 0.15 | ---- | 20 | 4827 | UNCH |
| MAR19 | ---- | ---- | 3.55 | - | 0.15 | ---- | 20 | 4827 | UNCH |
| APR19 | ---- | ---- | 3.63 | - | 0.02 | ---- | 80 | 4987 | + 5 |
| MAY19 | ---- | ---- | 3.63 | + | 0.03 | ---- | 80 | 4987 | + 5 |
| JUN19 | ---- | ---- | 3.63 | + | 0.08 | ---- | 80 | 4987 | + 5 |
| JUL19 | ---- | ---- | 3.51 | + | 0.20 | ---- | 80 | 5198 | - 55 |
| AUG19 | ---- | ---- | 3.51 | + | 0.20 | ---- | 80 | 5188 | - 55 |
| SEP19 | ---- | ---- | 3.51 | + | 0.20 | ---- | 80 | 5188 | - 55 |
| OCT19 | ---- | ---- | 3.47 | + | 0.54 | ---- | 20 | 4783 | UNCH |
| NOV19 | ---- | ---- | 3.47 | + | 0.54 | ---- | 20 | 4783 | UNCH |
| DEC19 | ---- | ---- | 3.47 | + | 0.54 | ---- | 20 | 4783 | UNCH |
| JAN20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| FEB20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| MAR20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| APR20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| MAY20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| JUN20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| JUL20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| AUG20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| SEP20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| OCT20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| NOV20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| DEC20 | ---- | ---- | 3.19 | + | 0.01 | ---- | ---- | 1660 | UNCH |
| JAN21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| FEB21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| MAR21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| APR21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| MAY21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| JUN21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| JUL21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| AUG21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| SEP21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| OCT21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| NOV21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| DEC21 | ---- | ---- | 3.15 | | UNCH | ---- | ---- | 190 | UNCH |
| TOTAL HTT FUT | | | | | | | 3550 | 133617 | + 1835 |
| WTT FUT | WTI MIDLAND (ARG) VS. WTI TRADE MTH | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| WTT FUT | WTI MIDLAND (ARG) VS. WTI TRADE MTH | | | | | | | | |
| JUL18 | ---- | ---- | -8.63 | | UNCH | ---- | ---- | 8717 | - 15 |
| AUG18 | ---- | ---- | -11.08 | - | 0.83 | ---- | ---- | 8790 | UNCH |
| SEP18 | ---- | ---- | -12.52 | - | 0.52 | ---- | ---- | 8320 | UNCH |
| OCT18 | ---- | ---- | -13.80 | - | 0.50 | ---- | ---- | 9277 | UNCH |
| NOV18 | ---- | ---- | -14.70 | - | 0.18 | ---- | ---- | 9122 | UNCH |
| DEC18 | ---- | ---- | -15.30 | - | 0.33 | ---- | ---- | 9299 | UNCH |
| JAN19 | ---- | ---- | -13.82 | - | 0.43 | ---- | ---- | 7970 | UNCH |
| FEB19 | ---- | ---- | -12.32 | - | 0.43 | ---- | ---- | 7970 | UNCH |
| MAR19 | ---- | ---- | -10.82 | - | 0.43 | ---- | ---- | 7970 | UNCH |
| APR19 | ---- | ---- | -10.44 | - | 0.39 | ---- | ---- | 7250 | UNCH |
| MAY19 | ---- | ---- | -10.09 | - | 0.49 | ---- | ---- | 7250 | UNCH |
| JUN19 | ---- | ---- | -9.74 | - | 0.59 | ---- | ---- | 7250 | UNCH |
| JUL19 | ---- | ---- | -8.55 | - | 1.02 | ---- | ---- | 6479 | UNCH |
| AUG19 | ---- | ---- | -6.61 | + | 0.92 | ---- | ---- | 6479 | UNCH |
| SEP19 | ---- | ---- | -6.61 | + | 0.92 | ---- | ---- | 6479 | UNCH |
| OCT19 | ---- | ---- | -3.82 | + | 0.10 | ---- | ---- | 7030 | UNCH |
| NOV19 | ---- | ---- | -3.82 | + | 0.10 | ---- | ---- | 7030 | UNCH |
| DEC19 | ---- | ---- | -3.82 | + | 0.10 | ---- | ---- | 7030 | UNCH |
| JAN20 | ---- | ---- | -1.47 | + | 0.03 | ---- | 50 | 4068 | + 50 |
| FEB20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3448 | + 50 |
| MAR20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3448 | + 50 |
| APR20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3448 | + 50 |
| MAY20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3448 | + 50 |
| JUN20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3448 | + 50 |
| JUL20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3453 | + 50 |
| AUG20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3453 | + 50 |
| SEP20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3453 | + 50 |
| OCT20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3453 | + 50 |
| NOV20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3453 | + 50 |
| DEC20 | ---- | ---- | -1.39 | + | 0.06 | ---- | 50 | 3453 | + 50 |
| JAN21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| FEB21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| MAR21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| APR21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| MAY21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| JUN21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| JUL21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| AUG21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| SEP21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| OCT21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| NOV21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| DEC21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 265 | UNCH |
| TOTAL WTT FUT | | | | | | | 600 | 184918 | + 585 |
| FF FUT | WTI MIDLAND(ARGUS) VS WTI FINCL FUT | | | | | | | | |
| JUN18 | ---- | ---- | -8.34 | - | 0.20 | ---- | ---- | 3867 | UNCH |
| JUL18 | ---- | ---- | -11.35 | - | 0.77 | ---- | ---- | 4317 | UNCH |
| AUG18 | ---- | ---- | -12.80 | - | 0.52 | ---- | ---- | 4334 | UNCH |
| SEP18 | ---- | ---- | -13.94 | - | 0.45 | ---- | ---- | 4383 | UNCH |
| OCT18 | ---- | ---- | -14.81 | - | 0.21 | ---- | 3 | 4559 | + 3 |
| NOV18 | ---- | ---- | -14.93 | - | 0.35 | ---- | 3 | 4558 | + 3 |
| DEC18 | ---- | ---- | -13.52 | - | 0.43 | ---- | 3 | 4599 | + 3 |
| JAN19 | ---- | ---- | -12.03 | - | 0.43 | ---- | 3 | 1218 | + 3 |
| FEB19 | ---- | ---- | -10.76 | - | 0.42 | ---- | 3 | 1218 | + 3 |
| MAR19 | ---- | ---- | -10.37 | - | 0.41 | ---- | 3 | 1218 | + 3 |
| APR19 | ---- | ---- | -10.04 | - | 0.50 | ---- | ---- | 1345 | UNCH |
| MAY19 | ---- | ---- | -9.52 | - | 0.66 | ---- | ---- | 1346 | UNCH |
| JUN19 | ---- | ---- | -8.26 | - | 0.73 | ---- | ---- | 1345 | UNCH |
| JUL19 | ---- | ---- | -6.61 | + | 0.92 | ---- | ---- | 1135 | UNCH |
| AUG19 | ---- | ---- | -5.98 | + | 0.73 | ---- | ---- | 1135 | UNCH |
| SEP19 | ---- | ---- | -3.82 | + | 0.10 | ---- | ---- | 1135 | UNCH |
| OCT19 | ---- | ---- | -3.82 | + | 0.10 | ---- | ---- | 1475 | UNCH |
| NOV19 | ---- | ---- | -3.47 | + | 0.09 | ---- | ---- | 1475 | UNCH |
| DEC19 | ---- | ---- | -1.45 | + | 0.04 | ---- | ---- | 1475 | UNCH |
| JAN20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 980 | UNCH |
| FEB20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 980 | UNCH |
| MAR20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 980 | UNCH |
| APR20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 980 | UNCH |
| MAY20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 980 | UNCH |
| JUN20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 980 | UNCH |
| JUL20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 975 | UNCH |
| AUG20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 975 | UNCH |
| SEP20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 975 | UNCH |
| OCT20 | ---- | ---- | -1.39 | + | 0.06 | ---- | ---- | 1125 | UNCH |
| NOV20 | ---- | ---- | -1.29 | + | 0.06 | ---- | ---- | 1125 | UNCH |
| DEC20 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 1125 | UNCH |
| JAN21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| FEB21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| MAR21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| APR21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| MAY21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| JUN21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| JUL21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| AUG21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| SEP21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| OCT21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| NOV21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| DEC21 | ---- | ---- | -0.35 | + | 0.06 | ---- | ---- | 45 | UNCH |
| TOTAL FF FUT | | | | | | | 18 | 58857 | + 18 |
| BY FUT | WTI-BRENT BULLET | | | | | | | | |
| SEP18 | ---- | ---- | -6.20 | + | 0.66 | ---- | ---- | 350 | UNCH |
| DEC18 | ---- | ---- | -7.96 | + | 0.09 | ---- | ---- | 200 | UNCH |
| JAN19 | ---- | ---- | -8.17 | - | 0.03 | ---- | ---- | 525 | UNCH |
| FEB19 | ---- | ---- | -8.36 | - | 0.11 | ---- | ---- | 525 | UNCH |
| MAR19 | ---- | ---- | -8.47 | - | 0.14 | ---- | ---- | 525 | UNCH |
| APR19 | ---- | ---- | -8.56 | - | 0.17 | ---- | ---- | 525 | UNCH |
| MAY19 | ---- | ---- | -8.59 | - | 0.15 | ---- | ---- | 525 | UNCH |
| JUN19 | ---- | ---- | -8.59 | - | 0.13 | ---- | ---- | 525 | UNCH |
| JUL19 | ---- | ---- | -8.68 | - | 0.12 | ---- | ---- | 525 | UNCH |
| AUG19 | ---- | ---- | -8.74 | - | 0.12 | ---- | ---- | 525 | UNCH |
| SEP19 | ---- | ---- | -8.73 | - | 0.12 | ---- | ---- | 525 | UNCH |
| OCT19 | ---- | ---- | -8.70 | - | 0.12 | ---- | ---- | 525 | UNCH |
| NOV19 | ---- | ---- | -8.67 | - | 0.12 | ---- | ---- | 525 | UNCH |
| DEC19 | ---- | ---- | -8.54 | - | 0.11 | ---- | ---- | 525 | UNCH |
| JAN20 | ---- | ---- | -8.53 | - | 0.10 | ---- | ---- | 17 | UNCH |
| FEB20 | ---- | ---- | -8.54 | - | 0.09 | ---- | ---- | 17 | UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| BY FUT | WTI-BRENT BULLET | | | | | | | | |
| MAR20 | ---- | ---- | -8.53 | - | 0.11 | ---- | ---- | 17 | UNCH |
| APR20 | ---- | ---- | -8.51 | - | 0.10 | ---- | ---- | 17 | UNCH |
| MAY20 | ---- | ---- | -8.49 | - | 0.11 | ---- | ---- | 17 | UNCH |
| JUN20 | ---- | ---- | -8.46 | - | 0.10 | ---- | ---- | 17 | UNCH |
| JUL20 | ---- | ---- | -8.46 | - | 0.10 | ---- | ---- | 17 | UNCH |
| AUG20 | ---- | ---- | -8.41 | - | 0.10 | ---- | ---- | 17 | UNCH |
| SEP20 | ---- | ---- | -8.38 | - | 0.10 | ---- | ---- | 17 | UNCH |
| OCT20 | ---- | ---- | -8.31 | - | 0.10 | ---- | ---- | 17 | UNCH |
| NOV20 | ---- | ---- | -8.24 | - | 0.11 | ---- | ---- | 17 | UNCH |
| DEC20 | ---- | ---- | -8.10 | - | 0.12 | ---- | ---- | 17 | UNCH |
| TOTAL BY FUT | | | | | | | | 7054 | |
| BK FUT | WTI-BRENT CALENDAR | | | | | | | | |
| JUN18 | ---- | ---- | -8.62 | + | 0.12 | ---- | ---- | 6790 | UNCH |
| JUL18 | ---- | ---- | -5.19 | + | 0.83 | ---- | 150 | 6900 | UNCH |
| AUG18 | ---- | ---- | -6.35 | + | 0.58 | ---- | 1065 | 6171 | + 325 |
| SEP18 | ---- | ---- | -7.15 | + | 0.41 | ---- | 150 | 5571 | UNCH |
| OCT18 | ---- | ---- | -7.52 | + | 0.23 | ---- | 200 | 4168 | + 125 |
| NOV18 | ---- | ---- | -7.80 | + | 0.05 | ---- | 200 | 4068 | + 125 |
| DEC18 | ---- | -8.35A | -7.94 | - | 0.01 | ---- | 200 | 4427 | + 125 |
| JAN19 | ---- | ---- | -8.11 | - | 0.07 | ---- | 70 | 3791 | - 50 |
| FEB19 | ---- | ---- | -8.22 | - | 0.12 | ---- | 70 | 3791 | - 50 |
| MAR19 | ---- | ---- | -8.29 | - | 0.12 | ---- | 70 | 3791 | - 50 |
| APR19 | ---- | ---- | -8.30 | - | 0.09 | ---- | 70 | 3911 | - 50 |
| MAY19 | ---- | ---- | -8.37 | - | 0.09 | ---- | 70 | 3911 | - 50 |
| JUN19 | ---- | ---- | -8.45 | - | 0.09 | ---- | 70 | 3911 | - 50 |
| JUL19 | ---- | ---- | -8.46 | - | 0.07 | ---- | 20 | 3951 | UNCH |
| AUG19 | ---- | ---- | -8.48 | - | 0.08 | ---- | 20 | 3951 | UNCH |
| SEP19 | ---- | ---- | -8.43 | - | 0.08 | ---- | 20 | 3951 | UNCH |
| OCT19 | ---- | ---- | -8.33 | - | 0.08 | ---- | 20 | 4062 | + 20 |
| NOV19 | ---- | ---- | -8.28 | - | 0.08 | ---- | 20 | 3931 | UNCH |
| DEC19 | ---- | ---- | -8.30 | - | 0.07 | ---- | 20 | 3931 | UNCH |
| JAN20 | ---- | ---- | -8.33 | - | 0.08 | ---- | 25 | 3460 | + 25 |
| FEB20 | ---- | ---- | -8.30 | - | 0.07 | ---- | 25 | 3460 | + 25 |
| MAR20 | ---- | ---- | -8.31 | - | 0.09 | ---- | 25 | 3460 | + 25 |
| APR20 | ---- | ---- | -8.28 | - | 0.08 | ---- | 25 | 3460 | + 25 |
| MAY20 | ---- | ---- | -8.25 | - | 0.08 | ---- | 25 | 3460 | + 25 |
| JUN20 | ---- | ---- | -8.23 | - | 0.09 | ---- | 25 | 3460 | + 25 |
| JUL20 | ---- | ---- | -8.20 | - | 0.08 | ---- | 25 | 3400 | + 25 |
| AUG20 | ---- | ---- | -8.13 | - | 0.07 | ---- | 25 | 3400 | + 25 |
| SEP20 | ---- | ---- | -8.08 | - | 0.08 | ---- | 25 | 3400 | + 25 |
| OCT20 | ---- | ---- | -7.99 | - | 0.10 | ---- | 25 | 3400 | + 25 |
| NOV20 | ---- | ---- | -7.87 | - | 0.10 | ---- | 25 | 3400 | + 25 |
| DEC20 | ---- | ---- | -7.85 | - | 0.12 | ---- | 25 | 3400 | + 25 |
| JAN21 | ---- | ---- | -7.85 | - | 0.12 | ---- | ---- | 120 | UNCH |
| FEB21 | ---- | ---- | -7.83 | - | 0.10 | ---- | ---- | 120 | UNCH |
| MAR21 | ---- | ---- | -7.84 | - | 0.10 | ---- | ---- | 120 | UNCH |
| APR21 | ---- | ---- | -7.86 | - | 0.11 | ---- | ---- | 120 | UNCH |
| MAY21 | ---- | ---- | -7.82 | - | 0.10 | ---- | ---- | 120 | UNCH |
| JUN21 | ---- | ---- | -7.81 | - | 0.08 | ---- | ---- | 120 | UNCH |
| JUL21 | ---- | ---- | -7.84 | - | 0.08 | ---- | ---- | 120 | UNCH |
| AUG21 | ---- | ---- | -7.81 | - | 0.08 | ---- | ---- | 120 | UNCH |
| SEP21 | ---- | ---- | -7.79 | - | 0.07 | ---- | ---- | 120 | UNCH |
| OCT21 | ---- | ---- | -7.76 | - | 0.08 | ---- | ---- | 120 | UNCH |
| NOV21 | ---- | ---- | -7.77 | - | 0.07 | ---- | ---- | 120 | UNCH |
| DEC21 | ---- | ---- | -7.81 | - | 0.07 | ---- | ---- | 120 | UNCH |
| JAN22 | ---- | ---- | -7.81 | - | 0.06 | ---- | ---- | 110 | UNCH |
| FEB22 | ---- | ---- | -7.79 | - | 0.05 | ---- | ---- | 110 | UNCH |
| MAR22 | ---- | ---- | -7.80 | - | 0.04 | ---- | ---- | 110 | UNCH |
| APR22 | ---- | ---- | -7.76 | - | 0.03 | ---- | ---- | 110 | UNCH |
| MAY22 | ---- | ---- | -7.76 | - | 0.04 | ---- | ---- | 110 | UNCH |
| JUN22 | ---- | ---- | -7.77 | - | 0.04 | ---- | ---- | 110 | UNCH |
| JUL22 | ---- | ---- | -7.74 | - | 0.03 | ---- | ---- | 110 | UNCH |
| AUG22 | ---- | ---- | -7.70 | - | 0.01 | ---- | ---- | 110 | UNCH |
| SEP22 | ---- | ---- | -7.67 | | UNCH | ---- | ---- | 110 | UNCH |
| OCT22 | ---- | ---- | -7.62 | + | 0.01 | ---- | ---- | 110 | UNCH |
| NOV22 | ---- | ---- | -7.61 | + | 0.02 | ---- | ---- | 110 | UNCH |
| DEC22 | ---- | ---- | -7.63 | + | 0.03 | ---- | ---- | 110 | UNCH |
| TOTAL BK FUT | | | | | | | 2805 | 128898 | + 720 |
| FH FUT | WTS (ARGUS) VS WTI TRD MTH | | | | | | | | |
| JUL18 | ---- | ---- | -8.78 | | UNCH | ---- | ---- | 540 | UNCH |
| AUG18 | ---- | ---- | -11.70 | - | 1.20 | ---- | ---- | 540 | UNCH |
| SEP18 | ---- | ---- | -13.00 | - | 0.50 | ---- | ---- | 540 | UNCH |
| OCT18 | ---- | ---- | -14.25 | - | 0.25 | ---- | ---- | 540 | UNCH |
| NOV18 | ---- | ---- | -15.40 | + | 0.10 | ---- | ---- | 540 | UNCH |
| DEC18 | ---- | ---- | -16.15 | + | 0.15 | ---- | ---- | 540 | UNCH |
| JAN19 | ---- | ---- | -14.66 | + | 0.24 | ---- | ---- | 55 | UNCH |
| FEB19 | ---- | ---- | -13.26 | + | 0.23 | ---- | ---- | 55 | UNCH |
| MAR19 | ---- | ---- | -11.76 | + | 0.23 | ---- | ---- | 55 | UNCH |
| APR19 | ---- | ---- | -11.36 | + | 0.13 | ---- | ---- | 55 | UNCH |
| MAY19 | ---- | ---- | -10.91 | + | 0.18 | ---- | ---- | 55 | UNCH |
| JUN19 | ---- | ---- | -10.46 | + | 0.23 | ---- | ---- | 55 | UNCH |
| JUL19 | ---- | ---- | -8.95 | + | 0.92 | ---- | ---- | 55 | UNCH |
| AUG19 | ---- | ---- | -8.95 | + | 0.92 | ---- | ---- | 55 | UNCH |
| SEP19 | ---- | ---- | -8.95 | + | 0.92 | ---- | ---- | 55 | UNCH |
| OCT19 | ---- | ---- | -5.61 | + | 1.23 | ---- | ---- | 55 | UNCH |
| NOV19 | ---- | ---- | -5.61 | + | 1.23 | ---- | ---- | 55 | UNCH |
| DEC19 | ---- | ---- | -5.61 | + | 1.23 | ---- | ---- | 55 | UNCH |
| TOTAL FH FUT | | | | | | | | 3900 | |

## NATURAL GAS FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| NE FUT | ANR OKLAHOMA | | | | | | | | |
| JUL18 | ---- | ---- | -0.7500 | - | 0.0140 | ---- | ---- | 155 | UNCH |
| AUG18 | ---- | ---- | -0.6810 | - | 0.0090 | ---- | ---- | 155 | UNCH |
| SEP18 | ---- | ---- | -0.6950 | - | 0.0200 | ---- | ---- | 150 | UNCH |
| OCT18 | ---- | ---- | -0.7460 | - | 0.0170 | ---- | ---- | 155 | UNCH |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| NE FUT | ANR OKLAHOMA | | | | | | | |
| NOV18 | ---- | ---- | -0.7830 | - 0.0160 | ---- | ---- | 90 | UNCH |
| DEC18 | ---- | ---- | -0.6360 | - 0.0150 | ---- | ---- | 93 | UNCH |
| JAN19 | ---- | ---- | -0.5930 | - 0.0160 | ---- | ---- | 62 | UNCH |
| FEB19 | ---- | ---- | -0.5930 | - 0.0310 | ---- | ---- | 56 | UNCH |
| MAR19 | ---- | ---- | -0.8000 | - 0.0160 | ---- | ---- | 62 | UNCH |
| TOTAL NE FUT | | | | | | | 978 | |
| PW FUT | CENTERPOINT BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.2400 | + 0.0040 | ---- | ---- | 562 | UNCH |
| AUG18 | ---- | ---- | -0.2490 | + 0.0090 | ---- | ---- | 562 | UNCH |
| SEP18 | ---- | ---- | -0.2430 | + 0.0090 | ---- | ---- | 684 | UNCH |
| OCT18 | ---- | ---- | -0.2630 | + 0.0090 | ---- | ---- | 702 | UNCH |
| NOV18 | ---- | ---- | -0.2550 | - 0.0070 | ---- | ---- | 534 | UNCH |
| DEC18 | ---- | ---- | -0.2750 | - 0.0070 | ---- | ---- | 543 | UNCH |
| JAN19 | ---- | ---- | -0.2830 | - 0.0080 | ---- | ---- | 450 | UNCH |
| FEB19 | ---- | ---- | -0.2780 | - 0.0080 | ---- | ---- | 420 | UNCH |
| MAR19 | ---- | ---- | -0.2850 | - 0.0070 | ---- | ---- | 450 | UNCH |
| APR19 | ---- | ---- | -0.2770 | + 0.0030 | ---- | ---- | 110 | UNCH |
| MAY19 | ---- | ---- | -0.3050 | + 0.0020 | ---- | ---- | 109 | UNCH |
| JUN19 | ---- | ---- | -0.3100 | + 0.0020 | ---- | ---- | 110 | UNCH |
| JUL19 | ---- | ---- | -0.2950 | + 0.0020 | ---- | ---- | 109 | UNCH |
| AUG19 | ---- | ---- | -0.2950 | + 0.0020 | ---- | ---- | 109 | UNCH |
| SEP19 | ---- | ---- | -0.3200 | + 0.0020 | ---- | ---- | 110 | UNCH |
| OCT19 | ---- | ---- | -0.3250 | + 0.0020 | ---- | ---- | 109 | UNCH |
| NOV19 | ---- | ---- | -0.2870 | - 0.0030 | ---- | ---- | 140 | UNCH |
| TOTAL PW FUT | | | | | | | 5813 | |
| CI FUT | CIG BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.8200 | - 0.0070 | ---- | ---- | 1462 | UNCH |
| AUG18 | ---- | ---- | -0.7120 | + 0.0120 | ---- | ---- | 1458 | UNCH |
| SEP18 | ---- | ---- | -0.7400 | + 0.0010 | ---- | ---- | 1408 | UNCH |
| OCT18 | ---- | ---- | -0.8340 | + 0.0060 | ---- | ---- | 1450 | UNCH |
| NOV18 | ---- | ---- | -0.8550 | - 0.0220 | ---- | ---- | 1220 | UNCH |
| DEC18 | ---- | ---- | -0.6190 | - 0.0110 | ---- | ---- | 1264 | UNCH |
| JAN19 | ---- | ---- | -0.5650 | - 0.0170 | ---- | ---- | 558 | UNCH |
| FEB19 | ---- | ---- | -0.6310 | - 0.0150 | ---- | ---- | 504 | UNCH |
| MAR19 | ---- | ---- | -0.9670 | - 0.0110 | ---- | ---- | 558 | UNCH |
| APR19 | ---- | ---- | -1.0050 | - 0.0080 | ---- | ---- | 552 | UNCH |
| MAY19 | ---- | ---- | -0.9880 | - 0.0090 | ---- | ---- | 570 | UNCH |
| JUN19 | ---- | ---- | -0.9700 | - 0.0080 | ---- | ---- | 552 | UNCH |
| JUL19 | ---- | ---- | -0.9110 | - 0.0090 | ---- | ---- | 570 | UNCH |
| AUG19 | ---- | ---- | -0.9030 | - 0.0090 | ---- | ---- | 570 | UNCH |
| SEP19 | ---- | ---- | -0.8830 | - 0.0090 | ---- | ---- | 552 | UNCH |
| OCT19 | ---- | ---- | -0.8460 | - 0.0090 | ---- | ---- | 570 | UNCH |
| NOV19 | ---- | ---- | -0.8370 | - 0.0090 | ---- | ---- | 540 | UNCH |
| DEC19 | ---- | ---- | -0.7450 | - 0.0100 | ---- | ---- | 558 | UNCH |
| TOTAL CI FUT | | | | | | | 14916 | |
| 5Z FUT | COLUMB GULF MAINLINE NG BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.1470 | + 0.0040 | ---- | ---- | 335 | UNCH |
| AUG18 | ---- | ---- | -0.1640 | UNCH | ---- | ---- | 335 | UNCH |
| SEP18 | ---- | ---- | -0.1700 | UNCH | ---- | ---- | 325 | UNCH |
| OCT18 | ---- | ---- | -0.1700 | + 0.0020 | ---- | ---- | 335 | UNCH |
| NOV18 | ---- | ---- | -0.1790 | - 0.0040 | ---- | ---- | 55 | UNCH |
| DEC18 | ---- | ---- | -0.1770 | - 0.0050 | ---- | ---- | 56 | UNCH |
| JAN19 | ---- | ---- | -0.1740 | - 0.0050 | ---- | ---- | 25 | UNCH |
| FEB19 | ---- | ---- | -0.1620 | - 0.0050 | ---- | ---- | 25 | UNCH |
| MAR19 | ---- | ---- | -0.1570 | - 0.0050 | ---- | ---- | 24 | UNCH |
| APR19 | ---- | ---- | -0.1650 | + 0.0020 | ---- | ---- | 24 | UNCH |
| MAY19 | ---- | ---- | -0.1730 | + 0.0020 | ---- | ---- | 24 | UNCH |
| JUN19 | ---- | ---- | -0.1750 | + 0.0020 | ---- | ---- | 24 | UNCH |
| JUL19 | ---- | ---- | -0.1800 | + 0.0020 | ---- | ---- | 24 | UNCH |
| AUG19 | ---- | ---- | -0.1800 | + 0.0020 | ---- | ---- | 24 | UNCH |
| SEP19 | ---- | ---- | -0.1750 | + 0.0020 | ---- | ---- | 24 | UNCH |
| OCT19 | ---- | ---- | -0.1780 | + 0.0020 | ---- | ---- | 24 | UNCH |
| NOV19 | ---- | ---- | -0.1850 | - 0.0020 | ---- | ---- | 23 | UNCH |
| DEC19 | ---- | ---- | -0.1800 | - 0.0020 | ---- | ---- | 23 | UNCH |
| JAN20 | ---- | ---- | -0.1870 | - 0.0010 | ---- | ---- | 23 | UNCH |
| FEB20 | ---- | ---- | -0.1690 | - 0.0010 | ---- | ---- | 23 | UNCH |
| MAR20 | ---- | ---- | -0.1740 | - 0.0010 | ---- | ---- | 23 | UNCH |
| APR20 | ---- | ---- | -0.1670 | + 0.0010 | ---- | ---- | 23 | UNCH |
| MAY20 | ---- | ---- | -0.1720 | + 0.0010 | ---- | ---- | 23 | UNCH |
| JUN20 | ---- | ---- | -0.1770 | + 0.0010 | ---- | ---- | 23 | UNCH |
| JUL20 | ---- | ---- | -0.1770 | + 0.0010 | ---- | ---- | 23 | UNCH |
| AUG20 | ---- | ---- | -0.1770 | + 0.0010 | ---- | ---- | 22 | UNCH |
| SEP20 | ---- | ---- | -0.1770 | + 0.0010 | ---- | ---- | 22 | UNCH |
| OCT20 | ---- | ---- | -0.1770 | + 0.0010 | ---- | ---- | 22 | UNCH |
| NOV20 | ---- | ---- | -0.1970 | - 0.0010 | ---- | ---- | 22 | UNCH |
| DEC20 | ---- | ---- | -0.1990 | - 0.0010 | ---- | ---- | 22 | UNCH |
| TOTAL 5Z FUT | | | | | | | 2000 | |
| IH FUT | DOMINION TRAN INC - APP INDEX | | | | | | | |
| JUN18 | ---- | ---- | 0.0970 | UNCH | ---- | ---- | 240 | UNCH |
| JUL18 | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 248 | UNCH |
| AUG18 | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 248 | UNCH |
| SEP18 | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 240 | UNCH |
| OCT18 | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 248 | UNCH |
| NOV18 | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 240 | UNCH |
| DEC18 | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 248 | UNCH |
| TOTAL IH FUT | | | | | | | 1712 | |
| PG FUT | DOMINION TRANSMISSION INC -APPALAC | | | | | | | |
| JUL18 | ---- | ---- | -0.6260 | + 0.0170 | ---- | ---- | 1364 | UNCH |
| AUG18 | ---- | ---- | -0.5930 | + 0.0260 | ---- | ---- | 1364 | UNCH |
| SEP18 | ---- | ---- | -0.6160 | + 0.0220 | ---- | ---- | 1320 | UNCH |
| OCT18 | ---- | ---- | -0.6120 | + 0.0220 | ---- | ---- | 1426 | UNCH |
| NOV18 | ---- | ---- | -0.4780 | - 0.0030 | ---- | ---- | 810 | UNCH |
| DEC18 | ---- | ---- | -0.4590 | - 0.0130 | ---- | ---- | 837 | UNCH |
| JAN19 | ---- | ---- | -0.4340 | - 0.0110 | ---- | ---- | 1488 | UNCH |
| FEB19 | ---- | ---- | -0.4170 | - 0.0090 | ---- | ---- | 1344 | UNCH |
| MAR19 | ---- | ---- | -0.4170 | - 0.0080 | ---- | ---- | 1488 | UNCH |
| APR19 | ---- | ---- | -0.4100 | + 0.0090 | ---- | ---- | 600 | UNCH |
| MAY19 | ---- | ---- | -0.4780 | + 0.0080 | ---- | ---- | 620 | UNCH |
| JUN19 | ---- | ---- | -0.5110 | + 0.0070 | ---- | ---- | 600 | UNCH |
| JUL19 | ---- | ---- | -0.5410 | + 0.0090 | ---- | ---- | 620 | UNCH |
| AUG19 | ---- | ---- | -0.5610 | + 0.0090 | ---- | ---- | 620 | UNCH |
| SEP19 | ---- | ---- | -0.6870 | + 0.0100 | ---- | ---- | 600 | UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| PG FUT | DOMINION TRANSMISSION INC -APPALAC | | | | | | | |
| OCT19 | ---- | ---- | -0.6520 | + 0.0090 | ---- | ---- | 620 | UNCH |
| NOV19 | ---- | ---- | -0.5540 | - 0.0020 | ---- | ---- | 690 | UNCH |
| DEC19 | ---- | ---- | -0.5030 | - 0.0020 | ---- | ---- | 713 | UNCH |
| JAN20 | ---- | ---- | -0.4130 | - 0.0020 | ---- | ---- | 403 | UNCH |
| FEB20 | ---- | ---- | -0.4110 | - 0.0020 | ---- | ---- | 377 | UNCH |
| MAR20 | ---- | ---- | -0.4490 | - 0.0030 | ---- | ---- | 403 | UNCH |
| APR20 | ---- | ---- | -0.4260 | + 0.0040 | ---- | ---- | 180 | UNCH |
| MAY20 | ---- | ---- | -0.5220 | + 0.0030 | ---- | ---- | 186 | UNCH |
| JUN20 | ---- | ---- | -0.5500 | + 0.0030 | ---- | ---- | 180 | UNCH |
| JUL20 | ---- | ---- | -0.5980 | + 0.0040 | ---- | ---- | 186 | UNCH |
| AUG20 | ---- | ---- | -0.6060 | + 0.0030 | ---- | ---- | 186 | UNCH |
| SEP20 | ---- | ---- | -0.7420 | + 0.0040 | ---- | ---- | 180 | UNCH |
| OCT20 | ---- | ---- | -0.7110 | + 0.0040 | ---- | ---- | 186 | UNCH |
| NOV20 | ---- | ---- | -0.5800 | - 0.0020 | ---- | ---- | 180 | UNCH |
| DEC20 | ---- | ---- | -0.5630 | - 0.0030 | ---- | ---- | 186 | UNCH |
| APR21 | ---- | ---- | -0.5340 | + 0.0020 | ---- | ---- | 18 | UNCH |
| MAY21 | ---- | ---- | -0.6210 | + 0.0020 | ---- | ---- | 18 | UNCH |
| JUN21 | ---- | ---- | -0.6520 | + 0.0020 | ---- | ---- | 18 | UNCH |
| JUL21 | ---- | ---- | -0.6960 | + 0.0030 | ---- | ---- | 18 | UNCH |
| AUG21 | ---- | ---- | -0.7070 | + 0.0030 | ---- | ---- | 18 | UNCH |
| SEP21 | ---- | ---- | -0.8410 | + 0.0030 | ---- | ---- | 18 | UNCH |
| OCT21 | ---- | ---- | -0.8040 | + 0.0030 | ---- | ---- | 18 | UNCH |
| TOTAL PG FUT | | | | | | | 20083 | |
| TTF FUT | DUTCH TTF NATURAL GAS CAL MONTH FUT | | | | | | | |
| JUL18 | ---- | ---- | 22.035 | + 0.540 | ---- | ---- | 0 | UNCH |
| AUG18 | 21.935 | 21.980B/21.935 | 22.030 | + 0.580 | 10 | ---- | 10 | - 10 |
| SEP18 | ---- | ---- | 22.020 | + 0.580 | ---- | ---- | 10 | UNCH |
| OCT18 | ---- | ---- | 22.290 | + 0.670 | ---- | ---- | 10 | UNCH |
| NOV18 | ---- | ---- | 22.790 | + 0.705 | ---- | ---- | 10 | UNCH |
| DEC18 | ---- | ---- | 22.990 | + 0.695 | ---- | ---- | 10 | UNCH |
| JAN19 | ---- | ---- | 23.105 | + 0.700 | ---- | ---- | 10 | UNCH |
| FEB19 | ---- | ---- | 23.055 | + 0.700 | ---- | ---- | 10 | UNCH |
| MAR19 | ---- | ---- | 22.655 | + 0.650 | ---- | ---- | 10 | UNCH |
| APR19 | ---- | ---- | 20.585 | + 0.550 | ---- | ---- | 10 | UNCH |
| MAY19 | ---- | ---- | 19.520 | + 0.445 | ---- | ---- | 10 | UNCH |
| JUN19 | ---- | ---- | 19.260 | + 0.445 | ---- | ---- | 10 | UNCH |
| JUL19 | ---- | ---- | 19.215 | + 0.455 | ---- | ---- | 10 | UNCH |
| AUG19 | ---- | ---- | 19.215 | + 0.455 | ---- | ---- | 10 | UNCH |
| SEP19 | ---- | ---- | 19.215 | + 0.455 | ---- | ---- | 10 | UNCH |
| OCT19 | ---- | ---- | 20.600 | + 0.425 | ---- | ---- | 10 | UNCH |
| NOV19 | ---- | ---- | 20.600 | + 0.425 | ---- | ---- | 10 | UNCH |
| DEC19 | ---- | ---- | 20.600 | + 0.425 | ---- | ---- | 10 | UNCH |
| TOTAL TTF FUT | | | | | 10 | | 170 | - 10 |
| TTE FUT | DUTCH TTF NATURAL GAS FRONT MTH FUT | | | | | | | |
| OCT18 | ---- | ---- | 7.645 | + 0.183 | ---- | ---- | 2 | UNCH |
| NOV18 | ---- | ---- | 7.836 | + 0.196 | ---- | ---- | 2 | UNCH |
| DEC18 | ---- | ---- | 7.923 | + 0.192 | ---- | ---- | 2 | UNCH |
| TOTAL TTE FUT | | | | | | | 6 | |
| NN FUT | HENRY HUB | | | | | | | |
| JUL18 | ---- | ---- | 2.996 | + 0.057 | ---- | ---- | 54438 | UNCH |
| AUG18 | ---- | 2.975B | 2.981 | + 0.050 | ---- | ---- | 50329 | UNCH |
| SEP18 | ---- | ---- | 2.951 | + 0.044 | ---- | ---- | 38850 | UNCH |
| OCT18 | ---- | ---- | 2.955 | + 0.042 | ---- | ---- | 48010 | UNCH |
| NOV18 | ---- | ---- | 2.993 | + 0.039 | ---- | 3 | 36213 | + 3 |
| DEC18 | ---- | ---- | 3.098 | + 0.034 | ---- | 3 | 37807 | + 3 |
| JAN19 | ---- | ---- | 3.180 | + 0.031 | ---- | 189 | 35453 | + 189 |
| FEB19 | ---- | ---- | 3.142 | + 0.029 | ---- | 171 | 30242 | + 171 |
| MAR19 | ---- | ---- | 3.043 | + 0.029 | ---- | 189 | 35344 | + 189 |
| APR19 | ---- | ---- | 2.695 | + 0.021 | ---- | 270 | 32704 | + 178 |
| MAY19 | ---- | ---- | 2.656 | + 0.020 | ---- | 276 | 35367 | + 184 |
| JUN19 | ---- | ---- | 2.683 | + 0.020 | ---- | 270 | 34530 | + 178 |
| JUL19 | ---- | ---- | 2.714 | + 0.020 | ---- | 276 | 34723 | + 184 |
| AUG19 | ---- | ---- | 2.721 | + 0.020 | ---- | 276 | 35601 | + 184 |
| SEP19 | ---- | ---- | 2.706 | + 0.020 | ---- | 270 | 33713 | + 178 |
| OCT19 | ---- | ---- | 2.725 | + 0.021 | ---- | 276 | 35650 | + 184 |
| NOV19 | ---- | ---- | 2.778 | + 0.021 | ---- | 240 | 30683 | + 240 |
| DEC19 | ---- | ---- | 2.902 | + 0.021 | ---- | 248 | 31835 | + 248 |
| JAN20 | ---- | ---- | 2.997 | + 0.021 | ---- | 341 | 20957 | + 279 |
| FEB20 | ---- | ---- | 2.965 | + 0.021 | ---- | 319 | 19597 | + 261 |
| MAR20 | ---- | ---- | 2.873 | + 0.021 | ---- | 341 | 20627 | + 279 |
| APR20 | ---- | ---- | 2.556 | + 0.006 | ---- | 270 | 15738 | + 210 |
| MAY20 | ---- | ---- | 2.527 | + 0.006 | ---- | 279 | 16499 | + 217 |
| JUN20 | ---- | ---- | 2.554 | + 0.006 | ---- | 390 | 15895 | + 330 |
| JUL20 | ---- | ---- | 2.584 | + 0.006 | ---- | 279 | 16369 | + 217 |
| AUG20 | ---- | ---- | 2.591 | + 0.005 | ---- | 279 | 16407 | + 217 |
| SEP20 | ---- | ---- | 2.577 | + 0.004 | ---- | 270 | 16072 | + 210 |
| OCT20 | ---- | ---- | 2.596 | + 0.001 | ---- | 279 | 16495 | + 217 |
| NOV20 | ---- | ---- | 2.651 | + 0.001 | ---- | 270 | 16121 | + 210 |
| DEC20 | ---- | ---- | 2.779 | + 0.001 | ---- | 279 | 16259 | + 217 |
| JAN21 | ---- | ---- | 2.877 | + 0.001 | ---- | 124 | 7674 | UNCH |
| FEB21 | ---- | ---- | 2.844 | + 0.003 | ---- | 112 | 7260 | UNCH |
| MAR21 | ---- | ---- | 2.758 | + 0.005 | ---- | 124 | 7934 | UNCH |
| APR21 | ---- | ---- | 2.510 | + 0.007 | ---- | 120 | 7851 | UNCH |
| MAY21 | ---- | ---- | 2.486 | + 0.007 | ---- | 124 | 8308 | UNCH |
| JUN21 | ---- | ---- | 2.512 | + 0.005 | ---- | 120 | 8105 | UNCH |
| JUL21 | ---- | ---- | 2.542 | + 0.005 | ---- | 124 | 8174 | UNCH |
| AUG21 | ---- | ---- | 2.553 | + 0.005 | ---- | 124 | 8263 | UNCH |
| SEP21 | ---- | ---- | 2.551 | + 0.005 | ---- | 120 | 7889 | UNCH |
| OCT21 | ---- | ---- | 2.577 | + 0.005 | ---- | 124 | 8101 | UNCH |
| NOV21 | ---- | ---- | 2.635 | + 0.005 | ---- | 120 | 7372 | UNCH |
| DEC21 | ---- | ---- | 2.777 | + 0.005 | ---- | 124 | 7670 | UNCH |
| JAN22 | ---- | ---- | 2.885 | + 0.005 | ---- | ---- | 5989 | UNCH |
| FEB22 | ---- | ---- | 2.855 | + 0.005 | ---- | ---- | 5463 | UNCH |
| MAR22 | ---- | ---- | 2.785 | + 0.005 | ---- | ---- | 5997 | UNCH |
| APR22 | ---- | ---- | 2.540 | + 0.005 | ---- | ---- | 5732 | UNCH |
| MAY22 | ---- | ---- | 2.519 | + 0.005 | ---- | ---- | 5906 | UNCH |
| JUN22 | ---- | ---- | 2.545 | + 0.005 | ---- | ---- | 5706 | UNCH |
| JUL22 | ---- | ---- | 2.573 | + 0.005 | ---- | ---- | 5878 | UNCH |
| AUG22 | ---- | ---- | 2.586 | + 0.005 | ---- | ---- | 5874 | UNCH |
| SEP22 | ---- | ---- | 2.587 | + 0.005 | ---- | ---- | 5701 | UNCH |
| OCT22 | ---- | ---- | 2.614 | + 0.004 | ---- | ---- | 5904 | UNCH |
| NOV22 | ---- | ---- | 2.675 | + 0.004 | ---- | ---- | 5289 | UNCH |
| DEC22 | ---- | ---- | 2.820 | + 0.004 | ---- | ---- | 5444 | UNCH |
| JAN23 | ---- | ---- | 2.932 | + 0.004 | ---- | ---- | 3568 | UNCH |

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| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| NN FUT | HENRY HUB | | | | | | | | |
| FEB23 | | ---- | ---- | 2.905 | + 0.003 | ---- | ---- | 3135 | UNCH |
| MAR23 | | ---- | ---- | 2.840 | + 0.003 | ---- | ---- | 3426 | UNCH |
| APR23 | | ---- | ---- | 2.610 | + 0.003 | ---- | ---- | 3058 | UNCH |
| MAY23 | | ---- | ---- | 2.592 | + 0.003 | ---- | ---- | 3153 | UNCH |
| JUN23 | | ---- | ---- | 2.617 | + 0.003 | ---- | ---- | 3058 | UNCH |
| JUL23 | | ---- | ---- | 2.644 | + 0.003 | ---- | ---- | 3156 | UNCH |
| AUG23 | | ---- | ---- | 2.660 | + 0.003 | ---- | ---- | 3156 | UNCH |
| SEP23 | | ---- | ---- | 2.662 | + 0.003 | ---- | ---- | 3058 | UNCH |
| OCT23 | | ---- | ---- | 2.690 | + 0.003 | ---- | ---- | 3156 | UNCH |
| NOV23 | | ---- | ---- | 2.751 | + 0.003 | ---- | ---- | 3272 | UNCH |
| DEC23 | | ---- | ---- | 2.897 | + 0.003 | ---- | ---- | 3370 | UNCH |
| JAN24 | | ---- | ---- | 3.013 | + 0.003 | ---- | ---- | 2303 | UNCH |
| FEB24 | | ---- | ---- | 2.987 | + 0.003 | ---- | ---- | 2169 | UNCH |
| MAR24 | | ---- | ---- | 2.922 | + 0.003 | ---- | ---- | 2187 | UNCH |
| APR24 | | ---- | ---- | 2.682 | + 0.003 | ---- | ---- | 1888 | UNCH |
| MAY24 | | ---- | ---- | 2.664 | + 0.003 | ---- | ---- | 2062 | UNCH |
| JUN24 | | ---- | ---- | 2.689 | + 0.003 | ---- | ---- | 2004 | UNCH |
| JUL24 | | ---- | ---- | 2.718 | + 0.003 | ---- | ---- | 2070 | UNCH |
| AUG24 | | ---- | ---- | 2.735 | + 0.003 | ---- | ---- | 2062 | UNCH |
| SEP24 | | ---- | ---- | 2.737 | + 0.003 | ---- | ---- | 1992 | UNCH |
| OCT24 | | ---- | ---- | 2.765 | + 0.003 | ---- | ---- | 1946 | UNCH |
| NOV24 | | ---- | ---- | 2.827 | + 0.003 | ---- | ---- | 1922 | UNCH |
| DEC24 | | ---- | ---- | 2.973 | + 0.003 | ---- | ---- | 2081 | UNCH |
| JAN25 | | ---- | ---- | 3.089 | + 0.003 | ---- | ---- | 2016 | UNCH |
| FEB25 | | ---- | ---- | 3.063 | + 0.003 | ---- | ---- | 1820 | UNCH |
| MAR25 | | ---- | ---- | 2.998 | + 0.003 | ---- | ---- | 1896 | UNCH |
| APR25 | | ---- | ---- | 2.758 | + 0.003 | ---- | ---- | 1836 | UNCH |
| MAY25 | | ---- | ---- | 2.739 | + 0.003 | ---- | ---- | 2004 | UNCH |
| JUN25 | | ---- | ---- | 2.764 | + 0.003 | ---- | ---- | 1960 | UNCH |
| JUL25 | | ---- | ---- | 2.791 | + 0.003 | ---- | ---- | 2024 | UNCH |
| AUG25 | | ---- | ---- | 2.812 | + 0.003 | ---- | ---- | 2016 | UNCH |
| SEP25 | | ---- | ---- | 2.814 | + 0.003 | ---- | ---- | 1944 | UNCH |
| OCT25 | | ---- | ---- | 2.844 | + 0.003 | ---- | ---- | 1896 | UNCH |
| NOV25 | | ---- | ---- | 2.907 | + 0.003 | ---- | ---- | 1836 | UNCH |
| DEC25 | | ---- | ---- | 3.054 | + 0.003 | ---- | ---- | 1996 | UNCH |
| JAN26 | | ---- | ---- | 3.171 | + 0.003 | ---- | ---- | 560 | UNCH |
| FEB26 | | ---- | ---- | 3.145 | + 0.003 | ---- | ---- | 521 | UNCH |
| MAR26 | | ---- | ---- | 3.080 | + 0.003 | ---- | ---- | 560 | UNCH |
| APR26 | | ---- | ---- | 2.830 | + 0.003 | ---- | ---- | 547 | UNCH |
| MAY26 | | ---- | ---- | 2.809 | + 0.003 | ---- | ---- | 560 | UNCH |
| JUN26 | | ---- | ---- | 2.833 | + 0.003 | ---- | ---- | 547 | UNCH |
| JUL26 | | ---- | ---- | 2.859 | + 0.003 | ---- | ---- | 560 | UNCH |
| AUG26 | | ---- | ---- | 2.883 | + 0.003 | ---- | ---- | 560 | UNCH |
| SEP26 | | ---- | ---- | 2.886 | + 0.003 | ---- | ---- | 547 | UNCH |
| OCT26 | | ---- | ---- | 2.919 | + 0.003 | ---- | ---- | 560 | UNCH |
| NOV26 | | ---- | ---- | 2.987 | + 0.003 | ---- | ---- | 547 | UNCH |
| DEC26 | | ---- | ---- | 3.136 | + 0.003 | ---- | ---- | 560 | UNCH |
| JAN27 | | ---- | ---- | 3.260 | + 0.003 | ---- | ---- | 268 | UNCH |
| FEB27 | | ---- | ---- | 3.234 | + 0.003 | ---- | ---- | 244 | UNCH |
| MAR27 | | ---- | ---- | 3.169 | + 0.003 | ---- | ---- | 268 | UNCH |
| APR27 | | ---- | ---- | 2.894 | + 0.003 | ---- | ---- | 260 | UNCH |
| MAY27 | | ---- | ---- | 2.872 | + 0.003 | ---- | ---- | 268 | UNCH |
| JUN27 | | ---- | ---- | 2.898 | + 0.003 | ---- | ---- | 260 | UNCH |
| JUL27 | | ---- | ---- | 2.926 | + 0.003 | ---- | ---- | 268 | UNCH |
| AUG27 | | ---- | ---- | 2.952 | + 0.003 | ---- | ---- | 268 | UNCH |
| SEP27 | | ---- | ---- | 2.957 | + 0.003 | ---- | ---- | 260 | UNCH |
| OCT27 | | ---- | ---- | 2.995 | + 0.003 | ---- | ---- | 268 | UNCH |
| NOV27 | | ---- | ---- | 3.067 | + 0.003 | ---- | ---- | 260 | UNCH |
| DEC27 | | ---- | ---- | 3.217 | + 0.003 | ---- | ---- | 268 | UNCH |
| JAN28 | | ---- | ---- | 3.342 | + 0.003 | ---- | ---- | 341 | UNCH |
| FEB28 | | ---- | ---- | 3.316 | + 0.003 | ---- | ---- | 319 | UNCH |
| MAR28 | | ---- | ---- | 3.251 | + 0.003 | ---- | ---- | 341 | UNCH |
| APR28 | | ---- | ---- | 2.941 | + 0.003 | ---- | ---- | 330 | UNCH |
| MAY28 | | ---- | ---- | 2.919 | + 0.003 | ---- | ---- | 341 | UNCH |
| JUN28 | | ---- | ---- | 2.949 | + 0.003 | ---- | ---- | 330 | UNCH |
| JUL28 | | ---- | ---- | 2.989 | + 0.003 | ---- | ---- | 341 | UNCH |
| AUG28 | | ---- | ---- | 3.029 | + 0.003 | ---- | ---- | 341 | UNCH |
| SEP28 | | ---- | ---- | 3.042 | + 0.003 | ---- | ---- | 330 | UNCH |
| OCT28 | | ---- | ---- | 3.092 | + 0.003 | ---- | ---- | 341 | UNCH |
| NOV28 | | ---- | ---- | 3.164 | + 0.003 | ---- | ---- | 330 | UNCH |
| DEC28 | | ---- | ---- | 3.314 | + 0.003 | ---- | ---- | 341 | UNCH |
| JAN29 | | ---- | ---- | 3.439 | + 0.003 | ---- | ---- | 31 | UNCH |
| FEB29 | | ---- | ---- | 3.412 | + 0.003 | ---- | ---- | 28 | UNCH |
| MAR29 | | ---- | ---- | 3.347 | + 0.003 | ---- | ---- | 31 | UNCH |
| APR29 | | ---- | ---- | 3.007 | + 0.003 | ---- | ---- | 30 | UNCH |
| MAY29 | | ---- | ---- | 2.985 | + 0.003 | ---- | ---- | 31 | UNCH |
| JUN29 | | ---- | ---- | 3.015 | + 0.003 | ---- | ---- | 30 | UNCH |
| JUL29 | | ---- | ---- | 3.055 | + 0.003 | ---- | ---- | 31 | UNCH |
| AUG29 | | ---- | ---- | 3.095 | + 0.003 | ---- | ---- | 31 | UNCH |
| SEP29 | | ---- | ---- | 3.110 | + 0.003 | ---- | ---- | 30 | UNCH |
| OCT29 | | ---- | ---- | 3.160 | + 0.003 | ---- | ---- | 31 | UNCH |
| NOV29 | | ---- | ---- | 3.234 | + 0.003 | ---- | ---- | 30 | UNCH |
| DEC29 | | ---- | ---- | 3.386 | + 0.003 | ---- | ---- | 31 | UNCH |
| TOTAL NN FUT | | | | | | | 8013 | 1142688 | + 5177 |
| HB FUT | HENRY HUB BASIS | | | | | | | | |
| JUL18 | | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 1488 | UNCH |
| AUG18 | | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 372 | UNCH |
| SEP18 | | ---- | ---- | -0.0020 | UNCH | ---- | ---- | 360 | UNCH |
| OCT18 | | ---- | ---- | -0.0020 | UNCH | ---- | ---- | 372 | UNCH |
| NOV18 | | ---- | ---- | -0.0020 | UNCH | ---- | ---- | 120 | UNCH |
| DEC18 | | ---- | ---- | -0.0020 | UNCH | ---- | ---- | 124 | UNCH |
| TOTAL HB FUT | | | | | | | | 2836 | |
| IN FUT | HENRY HUB INDEX FUTURE | | | | | | | | |
| JUN18 | | ---- | ---- | 0.0490 | + 0.0030 | ---- | ---- | 240 | UNCH |
| JUL18 | | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 1488 | UNCH |
| AUG18 | | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 248 | UNCH |
| SEP18 | | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 240 | UNCH |
| OCT18 | | ---- | ---- | 0.0000 | UNCH | ---- | ---- | 248 | UNCH |
| TOTAL IN FUT | | | | | | | | 2464 | |
| HH FUT | HENRY HUB NG LAST DAY FINANCIAL | | | | | | | | |
| JUL18 | | 2.963 | 3.002B/2.963 | 2.996 | + 0.057 | 2576 | 1010 | 34752 | + 830 |
| AUG18 | | 2.965 | 2.995 /2.954 | 2.981 | + 0.050 | 3795 | 1600 | 29788 | + 1942 |
| SEP18 | | 2.932 | 2.964B/2.927A | 2.951 | + 0.044 | 624 | 80 | 29150 | + 172 |
| OCT18 | | ---- | ---- | 2.955 | + 0.042 | 516 | 26 | 39154 | - 9 |

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# ENERGY FUTURES PRODUCTS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| HH FUT | HENRY HUB NG LAST DAY FINANCIAL | | | | | | |
| NOV18 | 2.995 | 2.996B/2.984A | 2.993 | + 0.039 | 302 | 97 | 25502 - 4 |
| DEC18 | 3.095 | 3.096 /3.093A | 3.098 | + 0.034 | 170 | 26 | 26854 + 18 |
| JAN19 | 3.192 | 3.192 /3.172A | 3.180 | + 0.031 | 133 | 402 | 26375 + 47 |
| FEB19 | ---- | ---- | 3.142 | + 0.029 | 172 | 280 | 21570 + 91 |
| MAR19 | ---- | ---- | 3.043 | + 0.029 | 228 | 182 | 28208 + 179 |
| APR19 | ---- | ---- | 2.695 | + 0.021 | 399 | 176 | 33667 + 418 |
| MAY19 | ---- | ---- | 2.656 | + 0.020 | 222 | 130 | 13244 + 31 |
| JUN19 | 2.675 | 2.675 /2.675 | 2.683 | + 0.020 | 67 | 137 | 12605 + 116 |
| JUL19 | ---- | ---- | 2.714 | + 0.020 | 49 | 278 | 11365 - 27 |
| AUG19 | ---- | ---- | 2.721 | + 0.020 | 164 | 271 | 12673 + 209 |
| SEP19 | ---- | ---- | 2.706 | + 0.020 | 46 | 134 | 9866 + 20 |
| OCT19 | ---- | ---- | 2.725 | + 0.021 | 146 | 630 | 18568 - 270 |
| NOV19 | ---- | ---- | 2.778 | + 0.021 | 42 | 621 | 13953 + 624 |
| DEC19 | 2.892 | 2.892 /2.892 | 2.902 | + 0.021 | 60 | 122 | 13499 + 125 |
| JAN20 | ---- | ---- | 2.997 | + 0.021 | 9 | 9 | 7565 + 1 |
| FEB20 | ---- | ---- | 2.965 | + 0.021 | 189 | 6 | 2484 + 184 |
| MAR20 | ---- | ---- | 2.873 | + 0.021 | ---- | 9 | 3088 + 9 |
| APR20 | ---- | ---- | 2.556 | + 0.006 | ---- | 2 | 2800 + 2 |
| MAY20 | ---- | ---- | 2.527 | + 0.006 | ---- | 1 | 3173 UNCH |
| JUN20 | ---- | ---- | 2.554 | + 0.006 | 254 | 2 | 1939 + 210 |
| JUL20 | ---- | ---- | 2.584 | + 0.006 | 8 | ---- | 1651 UNCH |
| AUG20 | ---- | ---- | 2.591 | + 0.005 | ---- | ---- | 1507 UNCH |
| SEP20 | ---- | ---- | 2.577 | + 0.004 | ---- | ---- | 1502 UNCH |
| OCT20 | ---- | ---- | 2.596 | + 0.001 | ---- | ---- | 1829 UNCH |
| NOV20 | ---- | ---- | 2.651 | + 0.001 | ---- | ---- | 2071 UNCH |
| DEC20 | ---- | ---- | 2.779 | + 0.001 | ---- | ---- | 3903 UNCH |
| JAN21 | ---- | ---- | 2.877 | + 0.001 | ---- | ---- | 938 UNCH |
| FEB21 | ---- | ---- | 2.844 | + 0.003 | ---- | ---- | 644 UNCH |
| MAR21 | ---- | ---- | 2.758 | + 0.005 | ---- | ---- | 826 UNCH |
| APR21 | ---- | ---- | 2.510 | + 0.007 | ---- | ---- | 878 UNCH |
| MAY21 | ---- | ---- | 2.486 | + 0.007 | ---- | ---- | 465 UNCH |
| JUN21 | ---- | ---- | 2.512 | + 0.005 | ---- | ---- | 496 UNCH |
| JUL21 | ---- | ---- | 2.542 | + 0.005 | ---- | ---- | 521 UNCH |
| AUG21 | ---- | ---- | 2.553 | + 0.005 | ---- | ---- | 924 UNCH |
| SEP21 | ---- | ---- | 2.551 | + 0.005 | ---- | ---- | 465 UNCH |
| OCT21 | ---- | ---- | 2.577 | + 0.005 | ---- | ---- | 1101 UNCH |
| NOV21 | ---- | ---- | 2.635 | + 0.005 | ---- | ---- | 445 UNCH |
| DEC21 | ---- | ---- | 2.777 | + 0.005 | ---- | ---- | 469 UNCH |
| JAN22 | ---- | ---- | 2.885 | + 0.005 | ---- | ---- | 946 UNCH |
| FEB22 | ---- | ---- | 2.855 | + 0.005 | ---- | ---- | 304 UNCH |
| MAR22 | ---- | ---- | 2.785 | + 0.005 | ---- | ---- | 417 UNCH |
| APR22 | ---- | ---- | 2.540 | + 0.005 | ---- | ---- | 201 UNCH |
| MAY22 | ---- | ---- | 2.519 | + 0.005 | ---- | ---- | 244 UNCH |
| JUN22 | ---- | ---- | 2.545 | + 0.005 | ---- | ---- | 267 UNCH |
| JUL22 | ---- | ---- | 2.573 | + 0.005 | ---- | ---- | 217 UNCH |
| AUG22 | ---- | ---- | 2.586 | + 0.005 | ---- | ---- | 291 UNCH |
| SEP22 | ---- | ---- | 2.587 | + 0.005 | ---- | ---- | 204 UNCH |
| OCT22 | ---- | ---- | 2.614 | + 0.004 | ---- | ---- | 164 UNCH |
| NOV22 | ---- | ---- | 2.675 | + 0.004 | ---- | ---- | 197 UNCH |
| DEC22 | ---- | ---- | 2.820 | + 0.004 | ---- | ---- | 224 UNCH |
| JAN23 | ---- | ---- | 2.932 | + 0.004 | ---- | ---- | 113 UNCH |
| FEB23 | ---- | ---- | 2.905 | + 0.003 | ---- | ---- | 118 UNCH |
| MAR23 | ---- | ---- | 2.840 | + 0.003 | ---- | ---- | 70 UNCH |
| APR23 | ---- | ---- | 2.610 | + 0.003 | ---- | ---- | 27 UNCH |
| MAY23 | ---- | ---- | 2.592 | + 0.003 | ---- | ---- | 63 UNCH |
| JUN23 | ---- | ---- | 2.617 | + 0.003 | ---- | ---- | 102 UNCH |
| JUL23 | ---- | ---- | 2.644 | + 0.003 | ---- | ---- | 94 UNCH |
| AUG23 | ---- | ---- | 2.660 | + 0.003 | ---- | ---- | 81 UNCH |
| SEP23 | ---- | ---- | 2.662 | + 0.003 | ---- | ---- | 71 UNCH |
| OCT23 | ---- | ---- | 2.690 | + 0.003 | ---- | ---- | 21 UNCH |
| NOV23 | ---- | ---- | 2.751 | + 0.003 | ---- | ---- | 47 UNCH |
| DEC23 | ---- | ---- | 2.897 | + 0.003 | ---- | ---- | 47 UNCH |
| JAN24 | ---- | ---- | 3.013 | + 0.003 | ---- | ---- | 21 UNCH |
| FEB24 | ---- | ---- | 2.987 | + 0.003 | ---- | ---- | 21 UNCH |
| MAR24 | ---- | ---- | 2.922 | + 0.003 | ---- | ---- | 21 UNCH |
| APR24 | ---- | ---- | 2.682 | + 0.003 | ---- | ---- | 21 UNCH |
| MAY24 | ---- | ---- | 2.664 | + 0.003 | ---- | ---- | 21 UNCH |
| JUN24 | ---- | ---- | 2.689 | + 0.003 | ---- | ---- | 21 UNCH |
| JUL24 | ---- | ---- | 2.718 | + 0.003 | ---- | ---- | 21 UNCH |
| AUG24 | ---- | ---- | 2.735 | + 0.003 | ---- | ---- | 21 UNCH |
| SEP24 | ---- | ---- | 2.737 | + 0.003 | ---- | ---- | 21 UNCH |
| OCT24 | ---- | ---- | 2.765 | + 0.003 | ---- | ---- | 21 UNCH |
| NOV24 | ---- | ---- | 2.827 | + 0.003 | ---- | ---- | 21 UNCH |
| DEC24 | ---- | ---- | 2.973 | + 0.003 | ---- | ---- | 21 UNCH |
| JAN25 | ---- | ---- | 3.089 | + 0.003 | ---- | ---- | 10 UNCH |
| FEB25 | ---- | ---- | 3.063 | + 0.003 | ---- | ---- | 10 UNCH |
| MAR25 | ---- | ---- | 2.998 | + 0.003 | ---- | ---- | 10 UNCH |
| APR25 | ---- | ---- | 2.758 | + 0.003 | ---- | ---- | 10 UNCH |
| MAY25 | ---- | ---- | 2.739 | + 0.003 | ---- | ---- | 10 UNCH |
| JUN25 | ---- | ---- | 2.764 | + 0.003 | ---- | ---- | 10 UNCH |
| JUL25 | ---- | ---- | 2.791 | + 0.003 | ---- | ---- | 10 UNCH |
| AUG25 | ---- | ---- | 2.812 | + 0.003 | ---- | ---- | 10 UNCH |
| SEP25 | ---- | ---- | 2.814 | + 0.003 | ---- | ---- | 10 UNCH |
| OCT25 | ---- | ---- | 2.844 | + 0.003 | ---- | ---- | 10 UNCH |
| NOV25 | ---- | ---- | 2.907 | + 0.003 | ---- | ---- | 10 UNCH |
| DEC25 | ---- | ---- | 3.054 | + 0.003 | ---- | ---- | 10 UNCH |
| JAN26 | ---- | ---- | 3.171 | + 0.003 | ---- | ---- | 5 UNCH |
| FEB26 | ---- | ---- | 3.145 | + 0.003 | ---- | ---- | 5 UNCH |
| MAR26 | ---- | ---- | 3.080 | + 0.003 | ---- | ---- | 5 UNCH |
| APR26 | ---- | ---- | 2.830 | + 0.003 | ---- | ---- | 5 UNCH |
| MAY26 | ---- | ---- | 2.809 | + 0.003 | ---- | ---- | 5 UNCH |
| JUN26 | ---- | ---- | 2.833 | + 0.003 | ---- | ---- | 5 UNCH |
| JUL26 | ---- | ---- | 2.859 | + 0.003 | ---- | ---- | 5 UNCH |
| AUG26 | ---- | ---- | 2.883 | + 0.003 | ---- | ---- | 5 UNCH |
| SEP26 | ---- | ---- | 2.886 | + 0.003 | ---- | ---- | 5 UNCH |
| OCT26 | ---- | ---- | 2.919 | + 0.003 | ---- | ---- | 5 UNCH |
| NOV26 | ---- | ---- | 2.987 | + 0.003 | ---- | ---- | 5 UNCH |
| DEC26 | ---- | ---- | 3.136 | + 0.003 | ---- | ---- | 5 UNCH |
| TOTAL HH FUT | | | | | 10171 | 6231 | 447439 + 4918 |
| NPG FUT | HENRY HUB PENULTIMATE FUT | | | | | | |
| JUL18 | ---- | ---- | 2.939 | UNCH | ---- | ---- | 0 - 11766 |
| AUG18 | ---- | ---- | 2.981 | + 0.050 | ---- | ---- | 10158 UNCH |
| SEP18 | ---- | ---- | 2.951 | + 0.044 | ---- | ---- | 7823 UNCH |
| OCT18 | ---- | ---- | 2.955 | + 0.042 | ---- | ---- | 12145 UNCH |
| NOV18 | ---- | ---- | 2.993 | + 0.039 | ---- | ---- | 7819 UNCH |
| DEC18 | ---- | ---- | 3.098 | + 0.034 | ---- | ---- | 9165 UNCH |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| NPG FUT | HENRY HUB PENULTIMATE FUT | | | | | | | |
| JAN19 | ---- | ---- | 3.180 | + 0.031 | ---- | ---- | 8501 | UNCH |
| FEB19 | ---- | ---- | 3.142 | + 0.029 | ---- | ---- | 6697 | UNCH |
| MAR19 | ---- | ---- | 3.043 | + 0.029 | ---- | ---- | 8211 | UNCH |
| APR19 | ---- | ---- | 2.695 | + 0.021 | ---- | ---- | 8772 | UNCH |
| MAY19 | ---- | ---- | 2.656 | + 0.020 | ---- | ---- | 4602 | UNCH |
| JUN19 | ---- | ---- | 2.683 | + 0.020 | ---- | ---- | 4516 | UNCH |
| JUL19 | ---- | ---- | 2.714 | + 0.020 | ---- | ---- | 4586 | UNCH |
| AUG19 | ---- | ---- | 2.721 | + 0.020 | ---- | ---- | 4516 | UNCH |
| SEP19 | ---- | ---- | 2.706 | + 0.020 | ---- | ---- | 4516 | UNCH |
| OCT19 | ---- | ---- | 2.725 | + 0.021 | ---- | ---- | 5782 | UNCH |
| NOV19 | ---- | ---- | 2.778 | + 0.021 | ---- | ---- | 4423 | UNCH |
| DEC19 | ---- | ---- | 2.902 | + 0.021 | ---- | ---- | 4322 | UNCH |
| JAN20 | ---- | ---- | 2.997 | + 0.021 | ---- | ---- | 1523 | UNCH |
| FEB20 | ---- | ---- | 2.965 | + 0.021 | ---- | ---- | 1523 | UNCH |
| MAR20 | ---- | ---- | 2.873 | + 0.021 | ---- | ---- | 1523 | UNCH |
| APR20 | ---- | ---- | 2.556 | + 0.006 | ---- | ---- | 1532 | UNCH |
| MAY20 | ---- | ---- | 2.527 | + 0.006 | ---- | ---- | 1532 | UNCH |
| JUN20 | ---- | ---- | 2.554 | + 0.006 | ---- | ---- | 1532 | UNCH |
| JUL20 | ---- | ---- | 2.584 | + 0.006 | ---- | ---- | 1532 | UNCH |
| AUG20 | ---- | ---- | 2.591 | + 0.005 | ---- | ---- | 1532 | UNCH |
| SEP20 | ---- | ---- | 2.577 | + 0.004 | ---- | ---- | 1532 | UNCH |
| OCT20 | ---- | ---- | 2.596 | + 0.001 | ---- | ---- | 1532 | UNCH |
| NOV20 | ---- | ---- | 2.651 | + 0.001 | ---- | ---- | 1548 | UNCH |
| DEC20 | ---- | ---- | 2.779 | + 0.001 | ---- | ---- | 1548 | UNCH |
| JAN21 | ---- | ---- | 2.877 | + 0.001 | ---- | ---- | 662 | UNCH |
| FEB21 | ---- | ---- | 2.844 | + 0.003 | ---- | ---- | 662 | UNCH |
| MAR21 | ---- | ---- | 2.758 | + 0.005 | ---- | ---- | 662 | UNCH |
| APR21 | ---- | ---- | 2.510 | + 0.007 | ---- | ---- | 662 | UNCH |
| MAY21 | ---- | ---- | 2.486 | + 0.007 | ---- | ---- | 662 | UNCH |
| JUN21 | ---- | ---- | 2.512 | + 0.005 | ---- | ---- | 662 | UNCH |
| JUL21 | ---- | ---- | 2.542 | + 0.005 | ---- | ---- | 662 | UNCH |
| AUG21 | ---- | ---- | 2.553 | + 0.005 | ---- | ---- | 662 | UNCH |
| SEP21 | ---- | ---- | 2.551 | + 0.005 | ---- | ---- | 662 | UNCH |
| OCT21 | ---- | ---- | 2.577 | + 0.005 | ---- | ---- | 662 | UNCH |
| NOV21 | ---- | ---- | 2.635 | + 0.005 | ---- | ---- | 662 | UNCH |
| DEC21 | ---- | ---- | 2.777 | + 0.005 | ---- | ---- | 662 | UNCH |
| JAN22 | ---- | ---- | 2.885 | + 0.005 | ---- | ---- | 283 | UNCH |
| FEB22 | ---- | ---- | 2.855 | + 0.005 | ---- | ---- | 283 | UNCH |
| MAR22 | ---- | ---- | 2.785 | + 0.005 | ---- | ---- | 283 | UNCH |
| APR22 | ---- | ---- | 2.540 | + 0.005 | ---- | ---- | 283 | UNCH |
| MAY22 | ---- | ---- | 2.519 | + 0.005 | ---- | ---- | 283 | UNCH |
| JUN22 | ---- | ---- | 2.545 | + 0.005 | ---- | ---- | 283 | UNCH |
| JUL22 | ---- | ---- | 2.573 | + 0.005 | ---- | ---- | 283 | UNCH |
| AUG22 | ---- | ---- | 2.586 | + 0.005 | ---- | ---- | 283 | UNCH |
| SEP22 | ---- | ---- | 2.587 | + 0.005 | ---- | ---- | 283 | UNCH |
| OCT22 | ---- | ---- | 2.614 | + 0.004 | ---- | ---- | 283 | UNCH |
| NOV22 | ---- | ---- | 2.675 | + 0.004 | ---- | ---- | 283 | UNCH |
| DEC22 | ---- | ---- | 2.820 | + 0.004 | ---- | ---- | 283 | UNCH |
| JAN23 | ---- | ---- | 2.932 | + 0.004 | ---- | ---- | 508 | UNCH |
| FEB23 | ---- | ---- | 2.905 | + 0.003 | ---- | ---- | 508 | UNCH |
| MAR23 | ---- | ---- | 2.840 | + 0.003 | ---- | ---- | 508 | UNCH |
| APR23 | ---- | ---- | 2.610 | + 0.003 | ---- | ---- | 508 | UNCH |
| MAY23 | ---- | ---- | 2.592 | + 0.003 | ---- | ---- | 508 | UNCH |
| JUN23 | ---- | ---- | 2.617 | + 0.003 | ---- | ---- | 508 | UNCH |
| JUL23 | ---- | ---- | 2.644 | + 0.003 | ---- | ---- | 508 | UNCH |
| AUG23 | ---- | ---- | 2.660 | + 0.003 | ---- | ---- | 508 | UNCH |
| SEP23 | ---- | ---- | 2.662 | + 0.003 | ---- | ---- | 508 | UNCH |
| OCT23 | ---- | ---- | 2.690 | + 0.003 | ---- | ---- | 508 | UNCH |
| NOV23 | ---- | ---- | 2.751 | + 0.003 | ---- | ---- | 508 | UNCH |
| DEC23 | ---- | ---- | 2.897 | + 0.003 | ---- | ---- | 508 | UNCH |
| JAN24 | ---- | ---- | 3.013 | + 0.003 | ---- | ---- | 840 | UNCH |
| FEB24 | ---- | ---- | 2.987 | + 0.003 | ---- | ---- | 840 | UNCH |
| MAR24 | ---- | ---- | 2.922 | + 0.003 | ---- | ---- | 840 | UNCH |
| APR24 | ---- | ---- | 2.682 | + 0.003 | ---- | ---- | 840 | UNCH |
| MAY24 | ---- | ---- | 2.664 | + 0.003 | ---- | ---- | 840 | UNCH |
| JUN24 | ---- | ---- | 2.689 | + 0.003 | ---- | ---- | 840 | UNCH |
| JUL24 | ---- | ---- | 2.718 | + 0.003 | ---- | ---- | 840 | UNCH |
| AUG24 | ---- | ---- | 2.735 | + 0.003 | ---- | ---- | 840 | UNCH |
| SEP24 | ---- | ---- | 2.737 | + 0.003 | ---- | ---- | 840 | UNCH |
| OCT24 | ---- | ---- | 2.765 | + 0.003 | ---- | ---- | 840 | UNCH |
| NOV24 | ---- | ---- | 2.827 | + 0.003 | ---- | ---- | 840 | UNCH |
| DEC24 | ---- | ---- | 2.973 | + 0.003 | ---- | ---- | 840 | UNCH |
| JAN25 | ---- | ---- | 3.089 | + 0.003 | ---- | ---- | 119 | UNCH |
| FEB25 | ---- | ---- | 3.063 | + 0.003 | ---- | ---- | 119 | UNCH |
| MAR25 | ---- | ---- | 2.998 | + 0.003 | ---- | ---- | 119 | UNCH |
| APR25 | ---- | ---- | 2.758 | + 0.003 | ---- | ---- | 119 | UNCH |
| MAY25 | ---- | ---- | 2.739 | + 0.003 | ---- | ---- | 119 | UNCH |
| JUN25 | ---- | ---- | 2.764 | + 0.003 | ---- | ---- | 119 | UNCH |
| JUL25 | ---- | ---- | 2.791 | + 0.003 | ---- | ---- | 119 | UNCH |
| AUG25 | ---- | ---- | 2.812 | + 0.003 | ---- | ---- | 119 | UNCH |
| SEP25 | ---- | ---- | 2.814 | + 0.003 | ---- | ---- | 119 | UNCH |
| OCT25 | ---- | ---- | 2.844 | + 0.003 | ---- | ---- | 119 | UNCH |
| NOV25 | ---- | ---- | 2.907 | + 0.003 | ---- | ---- | 119 | UNCH |
| DEC25 | ---- | ---- | 3.054 | + 0.003 | ---- | ---- | 119 | UNCH |
| TOTAL NPG FUT | | | | | | | 163887 | - 11766 |
| NHN FUT | HOUSTON SHIP CHANNEL BASIS | | | | | | | |
| JUL18 | ---- | ---- | 0.0480 | - 0.0190 | ---- | ---- | 558 | UNCH |
| AUG18 | ---- | ---- | 0.0650 | - 0.0020 | ---- | ---- | 558 | UNCH |
| SEP18 | ---- | ---- | 0.0620 | + 0.0010 | ---- | ---- | 540 | UNCH |
| OCT18 | ---- | ---- | 0.0580 | UNCH | ---- | ---- | 558 | UNCH |
| NOV18 | ---- | ---- | 0.0320 | - 0.0010 | ---- | ---- | 450 | UNCH |
| DEC18 | ---- | ---- | -0.0550 | UNCH | ---- | ---- | 465 | UNCH |
| JAN19 | ---- | ---- | -0.0640 | - 0.0020 | ---- | ---- | 527 | UNCH |
| FEB19 | ---- | ---- | -0.0640 | - 0.0020 | ---- | ---- | 476 | UNCH |
| MAR19 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 527 | UNCH |
| APR19 | ---- | ---- | 0.0320 | UNCH | ---- | ---- | 510 | UNCH |
| MAY19 | ---- | ---- | 0.0350 | UNCH | ---- | ---- | 527 | UNCH |
| JUN19 | ---- | ---- | 0.0400 | UNCH | ---- | ---- | 510 | UNCH |
| JUL19 | ---- | ---- | 0.0250 | UNCH | ---- | ---- | 527 | UNCH |
| AUG19 | ---- | ---- | 0.0250 | UNCH | ---- | ---- | 527 | UNCH |
| SEP19 | ---- | ---- | 0.0200 | UNCH | ---- | ---- | 510 | UNCH |
| OCT19 | ---- | ---- | 0.0100 | UNCH | ---- | ---- | 527 | UNCH |
| NOV19 | ---- | ---- | -0.0620 | - 0.0010 | ---- | ---- | 510 | UNCH |
| DEC19 | ---- | ---- | -0.0930 | - 0.0010 | ---- | ---- | 527 | UNCH |
| JAN20 | ---- | ---- | -0.1060 | - 0.0010 | ---- | ---- | 279 | UNCH |
| FEB20 | ---- | ---- | -0.1130 | UNCH | ---- | ---- | 261 | UNCH |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| NHN FUT | HOUSTON SHIP CHANNEL BASIS | | | | | | | |
| MAR20 | ---- | ---- | -0.1000 | UNCH | ---- | ---- | 279 | UNCH |
| APR20 | ---- | ---- | -0.0910 | UNCH | ---- | ---- | 270 | UNCH |
| MAY20 | ---- | ---- | -0.1090 | UNCH | ---- | ---- | 279 | UNCH |
| JUN20 | ---- | ---- | -0.1060 | UNCH | ---- | ---- | 270 | UNCH |
| JUL20 | ---- | ---- | -0.0880 | UNCH | ---- | ---- | 279 | UNCH |
| AUG20 | ---- | ---- | -0.0850 | + 0.0010 | ---- | ---- | 279 | UNCH |
| SEP20 | ---- | ---- | -0.0780 | UNCH | ---- | ---- | 270 | UNCH |
| OCT20 | ---- | ---- | -0.0650 | UNCH | ---- | ---- | 279 | UNCH |
| NOV20 | ---- | ---- | -0.1070 | + 0.0010 | ---- | ---- | 270 | UNCH |
| DEC20 | ---- | ---- | -0.1090 | + 0.0010 | ---- | ---- | 279 | UNCH |
| JAN21 | ---- | ---- | -0.1300 | + 0.0010 | ---- | ---- | 155 | UNCH |
| FEB21 | ---- | ---- | -0.1320 | + 0.0020 | ---- | ---- | 140 | UNCH |
| MAR21 | ---- | ---- | -0.1220 | + 0.0010 | ---- | ---- | 155 | UNCH |
| APR21 | ---- | ---- | -0.0830 | + 0.0010 | ---- | ---- | 150 | UNCH |
| MAY21 | ---- | ---- | -0.1040 | UNCH | ---- | ---- | 155 | UNCH |
| JUN21 | ---- | ---- | -0.1010 | + 0.0010 | ---- | ---- | 150 | UNCH |
| JUL21 | ---- | ---- | -0.0820 | UNCH | ---- | ---- | 155 | UNCH |
| AUG21 | ---- | ---- | -0.0790 | + 0.0010 | ---- | ---- | 155 | UNCH |
| SEP21 | ---- | ---- | -0.0700 | + 0.0010 | ---- | ---- | 150 | UNCH |
| OCT21 | ---- | ---- | -0.0550 | UNCH | ---- | ---- | 155 | UNCH |
| NOV21 | ---- | ---- | -0.1040 | UNCH | ---- | ---- | 150 | UNCH |
| DEC21 | ---- | ---- | -0.1080 | UNCH | ---- | ---- | 155 | UNCH |
| TOTAL NHN FUT | | | | | | | 14453 | |
| JKM FUT | LNG JAPAN KOREA MARKER PLATTS | | | | | | | |
| AUG18 | ---- | ---- | 10.500 | + 0.325 | ---- | ---- | 295 | UNCH |
| SEP18 | ---- | ---- | 10.300 | + 0.325 | ---- | ---- | 210 | UNCH |
| OCT18 | ---- | ---- | 10.400 | + 0.325 | ---- | ---- | 190 | UNCH |
| NOV18 | ---- | ---- | 10.500 | + 0.225 | ---- | ---- | 195 | UNCH |
| DEC18 | ---- | ---- | 11.250 | + 0.325 | ---- | ---- | 455 | UNCH |
| JAN19 | ---- | ---- | 11.800 | + 0.525 | ---- | ---- | 360 | UNCH |
| FEB19 | ---- | ---- | 11.900 | + 0.525 | ---- | ---- | 45 | UNCH |
| MAR19 | ---- | ---- | 10.950 | + 0.525 | ---- | ---- | 45 | UNCH |
| APR19 | ---- | ---- | 8.825 | + 0.250 | ---- | ---- | 25 | UNCH |
| MAY19 | ---- | ---- | 7.915 | + 0.255 | ---- | ---- | 25 | UNCH |
| JUN19 | ---- | ---- | 7.710 | + 0.245 | ---- | ---- | 25 | UNCH |
| JUL19 | ---- | ---- | 7.780 | + 0.260 | ---- | ---- | 25 | UNCH |
| AUG19 | ---- | ---- | 7.835 | + 0.270 | ---- | ---- | 25 | UNCH |
| SEP19 | ---- | ---- | 7.935 | + 0.220 | ---- | ---- | 25 | UNCH |
| OCT19 | ---- | ---- | 8.070 | + 0.120 | ---- | ---- | 25 | UNCH |
| NOV19 | ---- | ---- | 8.915 | + 0.145 | ---- | ---- | 25 | UNCH |
| DEC19 | ---- | ---- | 9.415 | + 0.115 | ---- | ---- | 25 | UNCH |
| JAN20 | ---- | ---- | 9.125 | + 0.245 | ---- | ---- | 5 | UNCH |
| FEB20 | ---- | ---- | 9.025 | + 0.245 | ---- | ---- | 5 | UNCH |
| MAR20 | ---- | ---- | 8.920 | + 0.235 | ---- | ---- | 5 | UNCH |
| APR20 | ---- | ---- | 8.155 | + 0.205 | ---- | ---- | 5 | UNCH |
| MAY20 | ---- | ---- | 7.535 | + 0.175 | ---- | ---- | 5 | UNCH |
| JUN20 | ---- | ---- | 7.280 | + 0.165 | ---- | ---- | 5 | UNCH |
| JUL20 | ---- | ---- | 7.125 | + 0.160 | ---- | ---- | 5 | UNCH |
| AUG20 | ---- | ---- | 7.125 | + 0.160 | ---- | ---- | 5 | UNCH |
| SEP20 | ---- | ---- | 7.230 | + 0.165 | ---- | ---- | 5 | UNCH |
| OCT20 | ---- | ---- | 7.740 | + 0.185 | ---- | ---- | 5 | UNCH |
| NOV20 | ---- | ---- | 8.360 | + 0.215 | ---- | ---- | 5 | UNCH |
| DEC20 | ---- | ---- | 8.975 | + 0.240 | ---- | ---- | 5 | UNCH |
| TOTAL JKM FUT | | | | | | | 2080 | |
| NF FUT | MICHIGAN BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.1730 | + 0.0050 | ---- | ---- | 223 | UNCH |
| AUG18 | ---- | ---- | -0.1770 | + 0.0100 | ---- | ---- | 223 | UNCH |
| SEP18 | ---- | ---- | -0.1810 | + 0.0100 | ---- | ---- | 220 | UNCH |
| OCT18 | ---- | ---- | -0.2060 | + 0.0140 | ---- | ---- | 223 | UNCH |
| NOV18 | ---- | ---- | -0.1960 | - 0.0040 | ---- | ---- | 280 | UNCH |
| DEC18 | ---- | ---- | -0.2550 | - 0.0050 | ---- | ---- | 285 | UNCH |
| JAN19 | ---- | ---- | -0.3000 | - 0.0030 | ---- | ---- | 155 | UNCH |
| FEB19 | ---- | ---- | -0.2780 | - 0.0030 | ---- | ---- | 140 | UNCH |
| MAR19 | ---- | ---- | -0.2540 | - 0.0070 | ---- | ---- | 155 | UNCH |
| APR19 | ---- | ---- | -0.2210 | + 0.0060 | ---- | ---- | 30 | UNCH |
| MAY19 | ---- | ---- | -0.2370 | + 0.0070 | ---- | ---- | 31 | UNCH |
| JUN19 | ---- | ---- | -0.3200 | + 0.0080 | ---- | ---- | 30 | UNCH |
| JUL19 | ---- | ---- | -0.3560 | + 0.0100 | ---- | ---- | 31 | UNCH |
| AUG19 | ---- | ---- | -0.3530 | + 0.0100 | ---- | ---- | 31 | UNCH |
| SEP19 | ---- | ---- | -0.3810 | + 0.0100 | ---- | ---- | 30 | UNCH |
| OCT19 | ---- | ---- | -0.3380 | + 0.0100 | ---- | ---- | 31 | UNCH |
| NOV19 | ---- | ---- | -0.3280 | - 0.0010 | ---- | ---- | 120 | UNCH |
| DEC19 | ---- | ---- | -0.2580 | - 0.0020 | ---- | ---- | 124 | UNCH |
| JAN20 | ---- | ---- | -0.2780 | - 0.0020 | ---- | ---- | 124 | UNCH |
| FEB20 | ---- | ---- | -0.2530 | - 0.0020 | ---- | ---- | 116 | UNCH |
| MAR20 | ---- | ---- | -0.2740 | - 0.0020 | ---- | ---- | 124 | UNCH |
| APR20 | ---- | ---- | -0.1420 | - 0.0040 | ---- | ---- | 120 | UNCH |
| MAY20 | ---- | ---- | -0.2520 | + 0.0070 | ---- | ---- | 124 | UNCH |
| JUN20 | ---- | ---- | -0.3550 | + 0.0070 | ---- | ---- | 120 | UNCH |
| JUL20 | ---- | ---- | -0.3830 | + 0.0070 | ---- | ---- | 124 | UNCH |
| AUG20 | ---- | ---- | -0.3800 | + 0.0070 | ---- | ---- | 124 | UNCH |
| SEP20 | ---- | ---- | -0.4010 | + 0.0070 | ---- | ---- | 120 | UNCH |
| OCT20 | ---- | ---- | -0.3620 | + 0.0070 | ---- | ---- | 124 | UNCH |
| TOTAL NF FUT | | | | | | | 3582 | |
| NL FUT | NGPL MID-CONTINENT | | | | | | | |
| JUL18 | ---- | ---- | -0.6870 | - 0.0270 | ---- | ---- | 961 | UNCH |
| AUG18 | ---- | ---- | -0.6420 | - 0.0080 | ---- | ---- | 961 | UNCH |
| SEP18 | ---- | ---- | -0.6510 | - 0.0110 | ---- | ---- | 930 | UNCH |
| OCT18 | ---- | ---- | -0.7120 | - 0.0080 | ---- | ---- | 1161 | UNCH |
| NOV18 | ---- | ---- | -0.7460 | - 0.0170 | ---- | ---- | 1410 | UNCH |
| DEC18 | ---- | ---- | -0.6140 | - 0.0180 | ---- | ---- | 1037 | UNCH |
| JAN19 | ---- | ---- | -0.5790 | - 0.0150 | ---- | ---- | 837 | UNCH |
| FEB19 | ---- | ---- | -0.5800 | - 0.0300 | ---- | ---- | 756 | UNCH |
| MAR19 | ---- | ---- | -0.8250 | - 0.0170 | ---- | ---- | 837 | UNCH |
| APR19 | ---- | ---- | -0.7830 | + 0.0010 | ---- | ---- | 840 | UNCH |
| MAY19 | ---- | ---- | -0.7900 | + 0.0020 | ---- | ---- | 868 | UNCH |
| JUN19 | ---- | ---- | -0.7800 | + 0.0020 | ---- | ---- | 840 | UNCH |
| JUL19 | ---- | ---- | -0.6630 | + 0.0010 | ---- | ---- | 868 | UNCH |
| AUG19 | ---- | ---- | -0.6120 | UNCH | ---- | ---- | 868 | UNCH |
| SEP19 | ---- | ---- | -0.6600 | + 0.0020 | ---- | ---- | 840 | UNCH |
| OCT19 | ---- | ---- | -0.7070 | + 0.0020 | ---- | ---- | 868 | UNCH |
| NOV19 | ---- | ---- | -0.6190 | - 0.0050 | ---- | ---- | 600 | UNCH |
| DEC19 | ---- | ---- | -0.5460 | - 0.0060 | ---- | ---- | 620 | UNCH |
| JAN20 | ---- | ---- | -0.5290 | - 0.0050 | ---- | ---- | 620 | UNCH |

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# ENERGY FUTURES PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| NL FUT | NGPL MID-CONTINENT | | | | | | | |
| FEB20 | ---- | ---- | -0.5190 | - 0.0050 | ---- | ---- | 580 | UNCH |
| MAR20 | ---- | ---- | -0.6130 | - 0.0050 | ---- | ---- | 620 | UNCH |
| TOTAL NL FUT | | | | | | | 17922 | |
| PD FUT | NGPL TEX /OK | | | | | | | |
| JUL18 | ---- | ---- | -0.1710 | UNCH | ---- | ---- | 2621 | UNCH |
| AUG18 | ---- | ---- | -0.1750 | + 0.0010 | ---- | ---- | 2921 | UNCH |
| SEP18 | ---- | ---- | -0.1740 | + 0.0030 | ---- | ---- | 2434 | UNCH |
| OCT18 | ---- | ---- | -0.1870 | + 0.0060 | ---- | ---- | 1921 | UNCH |
| NOV18 | ---- | ---- | -0.2200 | + 0.0080 | ---- | ---- | 1890 | UNCH |
| DEC18 | ---- | ---- | -0.2560 | - 0.0060 | ---- | ---- | 2237 | UNCH |
| JAN19 | ---- | ---- | -0.2500 | - 0.0130 | ---- | ---- | 651 | UNCH |
| FEB19 | ---- | ---- | -0.2500 | - 0.0130 | ---- | ---- | 588 | UNCH |
| MAR19 | ---- | ---- | -0.2540 | - 0.0130 | ---- | ---- | 651 | UNCH |
| APR19 | ---- | ---- | -0.2110 | + 0.0030 | ---- | ---- | 630 | UNCH |
| MAY19 | ---- | ---- | -0.2160 | + 0.0030 | ---- | ---- | 651 | UNCH |
| JUN19 | ---- | ---- | -0.2200 | + 0.0010 | ---- | ---- | 630 | UNCH |
| JUL19 | ---- | ---- | -0.2150 | + 0.0010 | ---- | ---- | 651 | UNCH |
| AUG19 | ---- | ---- | -0.2220 | + 0.0020 | ---- | ---- | 651 | UNCH |
| SEP19 | ---- | ---- | -0.2300 | + 0.0010 | ---- | ---- | 630 | UNCH |
| OCT19 | ---- | ---- | -0.2400 | + 0.0010 | ---- | ---- | 651 | UNCH |
| NOV19 | ---- | ---- | -0.2510 | - 0.0020 | ---- | ---- | 630 | UNCH |
| DEC19 | ---- | ---- | -0.2670 | - 0.0030 | ---- | ---- | 651 | UNCH |
| JAN20 | ---- | ---- | -0.2640 | - 0.0030 | ---- | ---- | 620 | UNCH |
| FEB20 | ---- | ---- | -0.2660 | - 0.0020 | ---- | ---- | 580 | UNCH |
| MAR20 | ---- | ---- | -0.2590 | - 0.0020 | ---- | ---- | 620 | UNCH |
| TOTAL PD FUT | | | | | | | 23509 | |
| PE FUT | NORTHEN NATURAL GAS DEMARCATION | | | | | | | |
| JUL18 | ---- | ---- | -0.3360 | - 0.0040 | ---- | ---- | 132 | UNCH |
| AUG18 | ---- | ---- | -0.3890 | + 0.0190 | ---- | ---- | 132 | UNCH |
| SEP18 | ---- | ---- | -0.4120 | + 0.0080 | ---- | ---- | 128 | UNCH |
| OCT18 | ---- | ---- | -0.4040 | + 0.0080 | ---- | ---- | 132 | UNCH |
| NOV18 | ---- | ---- | -0.5280 | + 0.0200 | ---- | ---- | 8 | UNCH |
| DEC18 | ---- | ---- | -0.4360 | - 0.0120 | ---- | ---- | 8 | UNCH |
| APR19 | ---- | ---- | -0.5080 | + 0.0120 | ---- | ---- | 60 | UNCH |
| MAY19 | ---- | ---- | -0.6600 | + 0.0130 | ---- | ---- | 62 | UNCH |
| JUN19 | ---- | ---- | -0.6470 | + 0.0140 | ---- | ---- | 60 | UNCH |
| JUL19 | ---- | ---- | -0.5740 | + 0.0130 | ---- | ---- | 62 | UNCH |
| AUG19 | ---- | ---- | -0.5790 | + 0.0130 | ---- | ---- | 62 | UNCH |
| SEP19 | ---- | ---- | -0.6650 | + 0.0130 | ---- | ---- | 60 | UNCH |
| OCT19 | ---- | ---- | -0.6800 | + 0.0130 | ---- | ---- | 62 | UNCH |
| TOTAL PE FUT | | | | | | | 968 | |
| PF FUT | NORTHEN NATURAL GAS VENTURA IOWA | | | | | | | |
| JUL18 | ---- | ---- | -0.3120 | - 0.0020 | ---- | ---- | 12 | UNCH |
| AUG18 | ---- | ---- | -0.3330 | + 0.0050 | ---- | ---- | 12 | UNCH |
| SEP18 | ---- | ---- | -0.3430 | + 0.0030 | ---- | ---- | 12 | UNCH |
| OCT18 | ---- | ---- | -0.3560 | + 0.0070 | ---- | ---- | 12 | UNCH |
| NOV18 | ---- | ---- | -0.3060 | + 0.0010 | ---- | ---- | 20 | UNCH |
| DEC18 | ---- | ---- | 0.0260 | + 0.0010 | ---- | ---- | 20 | UNCH |
| JAN19 | ---- | ---- | 0.2940 | + 0.0020 | ---- | ---- | 20 | UNCH |
| FEB19 | ---- | ---- | 0.2890 | + 0.0020 | ---- | ---- | 20 | UNCH |
| MAR19 | ---- | ---- | -0.3080 | - 0.0010 | ---- | ---- | 20 | UNCH |
| APR19 | ---- | ---- | -0.4050 | + 0.0090 | ---- | ---- | 180 | UNCH |
| MAY19 | ---- | ---- | -0.5070 | + 0.0090 | ---- | ---- | 186 | UNCH |
| JUN19 | ---- | ---- | -0.5220 | + 0.0090 | ---- | ---- | 180 | UNCH |
| JUL19 | ---- | ---- | -0.4920 | + 0.0090 | ---- | ---- | 186 | UNCH |
| AUG19 | ---- | ---- | -0.4920 | + 0.0090 | ---- | ---- | 186 | UNCH |
| SEP19 | ---- | ---- | -0.5570 | + 0.0090 | ---- | ---- | 180 | UNCH |
| OCT19 | ---- | ---- | -0.5270 | + 0.0090 | ---- | ---- | 186 | UNCH |
| TOTAL PF FUT | | | | | | | 1432 | |
| NR FUT | NORTHWEST ROCKIES BASIS FUTURE | | | | | | | |
| JUL18 | ---- | ---- | -0.7560 | - 0.0320 | ---- | ---- | 2015 | UNCH |
| AUG18 | ---- | ---- | -0.6620 | - 0.0100 | ---- | ---- | 2077 | UNCH |
| SEP18 | ---- | ---- | -0.6810 | - 0.0270 | ---- | ---- | 2010 | UNCH |
| OCT18 | ---- | ---- | -0.7760 | - 0.0120 | ---- | ---- | 1767 | UNCH |
| NOV18 | ---- | ---- | -0.7440 | - 0.0190 | ---- | ---- | 1710 | UNCH |
| DEC18 | ---- | ---- | -0.5020 | - 0.0070 | ---- | ---- | 1767 | UNCH |
| JAN19 | ---- | ---- | -0.4710 | - 0.0230 | ---- | ---- | 1333 | UNCH |
| FEB19 | ---- | ---- | -0.5410 | - 0.0220 | ---- | ---- | 1204 | UNCH |
| MAR19 | ---- | ---- | -0.8870 | - 0.0220 | ---- | ---- | 1333 | UNCH |
| APR19 | ---- | ---- | -0.9740 | - 0.0110 | ---- | ---- | 1320 | UNCH |
| MAY19 | ---- | ---- | -0.9560 | - 0.0100 | ---- | ---- | 1364 | UNCH |
| JUN19 | ---- | ---- | -0.9560 | - 0.0100 | ---- | ---- | 1320 | UNCH |
| JUL19 | ---- | ---- | -0.8300 | - 0.0110 | ---- | ---- | 1364 | UNCH |
| AUG19 | ---- | ---- | -0.8270 | - 0.0110 | ---- | ---- | 1364 | UNCH |
| SEP19 | ---- | ---- | -0.8400 | - 0.0110 | ---- | ---- | 1320 | UNCH |
| OCT19 | ---- | ---- | -0.8450 | - 0.0110 | ---- | ---- | 1364 | UNCH |
| NOV19 | ---- | ---- | -0.7620 | - 0.0080 | ---- | ---- | 1170 | UNCH |
| DEC19 | ---- | ---- | -0.6570 | - 0.0090 | ---- | ---- | 1209 | UNCH |
| JAN20 | ---- | ---- | -0.7390 | - 0.0080 | ---- | ---- | 124 | UNCH |
| FEB20 | ---- | ---- | -0.7450 | - 0.0090 | ---- | ---- | 116 | UNCH |
| MAR20 | ---- | ---- | -0.7870 | - 0.0080 | ---- | ---- | 124 | UNCH |
| APR20 | ---- | ---- | -0.9130 | UNCH | ---- | ---- | 60 | UNCH |
| MAY20 | ---- | ---- | -0.9160 | UNCH | ---- | ---- | 62 | UNCH |
| JUN20 | ---- | ---- | -0.9160 | UNCH | ---- | ---- | 60 | UNCH |
| JUL20 | ---- | ---- | -0.8080 | - 0.0010 | ---- | ---- | 62 | UNCH |
| AUG20 | ---- | ---- | -0.8050 | UNCH | ---- | ---- | 62 | UNCH |
| SEP20 | ---- | ---- | -0.8180 | UNCH | ---- | ---- | 60 | UNCH |
| OCT20 | ---- | ---- | -0.8720 | UNCH | ---- | ---- | 62 | UNCH |
| NOV20 | ---- | ---- | -0.6700 | - 0.0040 | ---- | ---- | 60 | UNCH |
| DEC20 | ---- | ---- | -0.5820 | - 0.0030 | ---- | ---- | 62 | UNCH |
| TOTAL NR FUT | | | | | | | 27925 | |
| HP FUT | NYMEX NATURAL GAS FUTURES | | | | | | | |
| JUL18 | ---- | ---- | 2.939 | UNCH | ---- | ---- | 0 | - 19817 |
| AUG18 | ---- | ---- | 2.981 | + 0.050 | 64 | 383 | 6941 | + 236 |
| SEP18 | ---- | ---- | 2.951 | + 0.044 | ---- | 15 | 6225 | + 15 |
| OCT18 | ---- | ---- | 2.955 | + 0.042 | ---- | 12 | 8394 | UNCH |
| NOV18 | ---- | ---- | 2.993 | + 0.039 | ---- | ---- | 4793 | UNCH |
| DEC18 | ---- | ---- | 3.098 | + 0.034 | ---- | 28 | 5016 | UNCH |
| JAN19 | ---- | 3.188B | 3.180 | + 0.031 | ---- | 211 | 5235 | + 144 |
| FEB19 | ---- | 3.150B | 3.142 | + 0.029 | ---- | 105 | 2970 | - 35 |
| MAR19 | ---- | 3.031B | 3.043 | + 0.029 | ---- | 152 | 7008 | + 70 |
| APR19 | ---- | ---- | 2.695 | + 0.021 | ---- | 105 | 4973 | - 3 |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| HP FUT | NYMEX NATURAL GAS FUTURES | | | | | | |
| MAY19 | ---- | ---- | 2.656 | + 0.020 | ---- | 105 | 2829 - 3 |
| JUN19 | ---- | ---- | 2.683 | + 0.020 | ---- | 105 | 1479 + 41 |
| JUL19 | ---- | ---- | 2.714 | + 0.020 | ---- | 105 | 1588 + 59 |
| AUG19 | ---- | ---- | 2.721 | + 0.020 | ---- | 105 | 1653 - 17 |
| SEP19 | ---- | ---- | 2.706 | + 0.020 | ---- | 105 | 1542 + 59 |
| OCT19 | ---- | ---- | 2.725 | + 0.021 | ---- | 105 | 1817 + 76 |
| NOV19 | ---- | ---- | 2.778 | + 0.021 | ---- | 105 | 1495 + 70 |
| DEC19 | ---- | ---- | 2.902 | + 0.021 | ---- | 105 | 1185 + 105 |
| JAN20 | ---- | ---- | 2.997 | + 0.021 | ---- | ---- | 746 UNCH |
| FEB20 | ---- | ---- | 2.965 | + 0.021 | ---- | ---- | 749 UNCH |
| MAR20 | ---- | ---- | 2.873 | + 0.021 | ---- | ---- | 749 UNCH |
| APR20 | ---- | ---- | 2.556 | + 0.006 | ---- | 12 | 407 - 12 |
| MAY20 | ---- | ---- | 2.527 | + 0.006 | ---- | 12 | 390 - 12 |
| JUN20 | ---- | ---- | 2.554 | + 0.006 | ---- | 12 | 390 - 12 |
| JUL20 | ---- | ---- | 2.584 | + 0.006 | ---- | 12 | 390 - 12 |
| AUG20 | ---- | ---- | 2.591 | + 0.005 | ---- | 12 | 390 - 12 |
| SEP20 | ---- | ---- | 2.577 | + 0.004 | ---- | 12 | 390 - 12 |
| OCT20 | ---- | ---- | 2.596 | + 0.001 | ---- | 12 | 390 - 12 |
| NOV20 | ---- | ---- | 2.651 | + 0.001 | ---- | ---- | 429 UNCH |
| DEC20 | ---- | ---- | 2.779 | + 0.001 | ---- | ---- | 429 UNCH |
| JAN21 | ---- | ---- | 2.877 | + 0.001 | ---- | ---- | 437 UNCH |
| FEB21 | ---- | ---- | 2.844 | + 0.003 | ---- | ---- | 387 UNCH |
| MAR21 | ---- | ---- | 2.758 | + 0.005 | ---- | ---- | 387 UNCH |
| APR21 | ---- | ---- | 2.510 | + 0.007 | ---- | ---- | 387 UNCH |
| MAY21 | ---- | ---- | 2.486 | + 0.007 | ---- | ---- | 387 UNCH |
| JUN21 | ---- | ---- | 2.512 | + 0.005 | ---- | ---- | 387 UNCH |
| JUL21 | ---- | ---- | 2.542 | + 0.005 | ---- | ---- | 387 UNCH |
| AUG21 | ---- | ---- | 2.553 | + 0.005 | ---- | ---- | 387 UNCH |
| SEP21 | ---- | ---- | 2.551 | + 0.005 | ---- | ---- | 387 UNCH |
| OCT21 | ---- | ---- | 2.577 | + 0.005 | ---- | ---- | 387 UNCH |
| NOV21 | ---- | ---- | 2.635 | + 0.005 | ---- | ---- | 387 UNCH |
| DEC21 | ---- | ---- | 2.777 | + 0.005 | ---- | ---- | 387 UNCH |
| JAN22 | ---- | ---- | 2.885 | + 0.005 | ---- | ---- | 126 UNCH |
| FEB22 | ---- | ---- | 2.855 | + 0.005 | ---- | ---- | 126 UNCH |
| MAR22 | ---- | ---- | 2.785 | + 0.005 | ---- | ---- | 126 UNCH |
| APR22 | ---- | ---- | 2.540 | + 0.005 | ---- | ---- | 126 UNCH |
| MAY22 | ---- | ---- | 2.519 | + 0.005 | ---- | ---- | 126 UNCH |
| JUN22 | ---- | ---- | 2.545 | + 0.005 | ---- | ---- | 126 UNCH |
| JUL22 | ---- | ---- | 2.573 | + 0.005 | ---- | ---- | 126 UNCH |
| AUG22 | ---- | ---- | 2.586 | + 0.005 | ---- | ---- | 126 UNCH |
| SEP22 | ---- | ---- | 2.587 | + 0.005 | ---- | ---- | 126 UNCH |
| OCT22 | ---- | ---- | 2.614 | + 0.004 | ---- | ---- | 126 UNCH |
| NOV22 | ---- | ---- | 2.675 | + 0.004 | ---- | ---- | 126 UNCH |
| DEC22 | ---- | ---- | 2.820 | + 0.004 | ---- | ---- | 126 UNCH |
| JAN23 | ---- | ---- | 2.932 | + 0.004 | ---- | ---- | 86 UNCH |
| FEB23 | ---- | ---- | 2.905 | + 0.003 | ---- | ---- | 86 UNCH |
| MAR23 | ---- | ---- | 2.840 | + 0.003 | ---- | ---- | 86 UNCH |
| APR23 | ---- | ---- | 2.610 | + 0.003 | ---- | ---- | 86 UNCH |
| MAY23 | ---- | ---- | 2.592 | + 0.003 | ---- | ---- | 86 UNCH |
| JUN23 | ---- | ---- | 2.617 | + 0.003 | ---- | ---- | 86 UNCH |
| JUL23 | ---- | ---- | 2.644 | + 0.003 | ---- | ---- | 86 UNCH |
| AUG23 | ---- | ---- | 2.660 | + 0.003 | ---- | ---- | 86 UNCH |
| SEP23 | ---- | ---- | 2.662 | + 0.003 | ---- | ---- | 86 UNCH |
| OCT23 | ---- | ---- | 2.690 | + 0.003 | ---- | ---- | 86 UNCH |
| NOV23 | ---- | ---- | 2.751 | + 0.003 | ---- | ---- | 86 UNCH |
| DEC23 | ---- | ---- | 2.897 | + 0.003 | ---- | ---- | 86 UNCH |
| TOTAL HP FUT | | | | | 64 | 1935 | 78230 - 19084 |
| 8X FUT | ONEOK OKLAHOMA NG BASIS | | | | | | |
| JUL18 | ---- | ---- | -1.2110 | - 0.0070 | ---- | ---- | 62 UNCH |
| AUG18 | ---- | ---- | -1.2340 | - 0.0490 | ---- | ---- | 62 UNCH |
| SEP18 | ---- | ---- | -1.2700 | - 0.0440 | ---- | ---- | 60 UNCH |
| OCT18 | ---- | ---- | -1.2900 | - 0.0510 | ---- | ---- | 62 UNCH |
| NOV18 | ---- | ---- | -1.2610 | - 0.0100 | ---- | ---- | 60 UNCH |
| DEC18 | ---- | ---- | -1.2120 | - 0.0280 | ---- | ---- | 62 UNCH |
| TOTAL 8X FUT | | | | | | | 368 |
| PH FUT | PANHANDLE BASIS FUTURE | | | | | | |
| JUL18 | ---- | ---- | -0.7600 | - 0.0100 | ---- | ---- | 753 UNCH |
| AUG18 | ---- | ---- | -0.6980 | - 0.0030 | ---- | ---- | 753 UNCH |
| SEP18 | ---- | ---- | -0.7170 | - 0.0080 | ---- | ---- | 730 UNCH |
| OCT18 | ---- | ---- | -0.7780 | - 0.0060 | ---- | ---- | 753 UNCH |
| NOV18 | ---- | ---- | -0.7630 | - 0.0170 | ---- | ---- | 704 UNCH |
| DEC18 | ---- | ---- | -0.6510 | - 0.0170 | ---- | ---- | 725 UNCH |
| JAN19 | ---- | ---- | -0.6320 | - 0.0080 | ---- | ---- | 217 UNCH |
| FEB19 | ---- | ---- | -0.6450 | - 0.0250 | ---- | ---- | 196 UNCH |
| MAR19 | ---- | ---- | -0.8410 | - 0.0070 | ---- | ---- | 217 UNCH |
| APR19 | ---- | ---- | -0.8520 | - 0.0020 | ---- | ---- | 360 UNCH |
| MAY19 | ---- | ---- | -0.8920 | - 0.0020 | ---- | ---- | 372 UNCH |
| JUN19 | ---- | ---- | -0.8770 | - 0.0020 | ---- | ---- | 360 UNCH |
| JUL19 | ---- | ---- | -0.7260 | - 0.0010 | ---- | ---- | 372 UNCH |
| AUG19 | ---- | ---- | -0.6980 | UNCH | ---- | ---- | 372 UNCH |
| SEP19 | ---- | ---- | -0.7230 | UNCH | ---- | ---- | 360 UNCH |
| OCT19 | ---- | ---- | -0.7560 | - 0.0010 | ---- | ---- | 372 UNCH |
| NOV19 | ---- | ---- | -0.6440 | - 0.0070 | ---- | ---- | 120 UNCH |
| DEC19 | ---- | ---- | -0.5890 | - 0.0080 | ---- | ---- | 124 UNCH |
| JAN20 | ---- | ---- | -0.6010 | - 0.0080 | ---- | ---- | 62 UNCH |
| FEB20 | ---- | ---- | -0.5940 | - 0.0080 | ---- | ---- | 58 UNCH |
| MAR20 | ---- | ---- | -0.6460 | - 0.0070 | ---- | ---- | 62 UNCH |
| APR20 | ---- | ---- | -0.6270 | + 0.0050 | ---- | ---- | 121 UNCH |
| MAY20 | ---- | ---- | -0.6840 | + 0.0050 | ---- | ---- | 124 UNCH |
| JUN20 | ---- | ---- | -0.6790 | + 0.0040 | ---- | ---- | 121 UNCH |
| JUL20 | ---- | ---- | -0.5940 | + 0.0040 | ---- | ---- | 123 UNCH |
| AUG20 | ---- | ---- | -0.6060 | + 0.0050 | ---- | ---- | 123 UNCH |
| SEP20 | ---- | ---- | -0.6200 | + 0.0040 | ---- | ---- | 120 UNCH |
| OCT20 | ---- | ---- | -0.6530 | + 0.0040 | ---- | ---- | 123 UNCH |
| NOV20 | ---- | ---- | -0.5550 | - 0.0160 | ---- | ---- | 30 UNCH |
| DEC20 | ---- | ---- | -0.5110 | - 0.0170 | ---- | ---- | 30 UNCH |
| APR21 | ---- | ---- | -0.6180 | + 0.0040 | ---- | ---- | 30 UNCH |
| MAY21 | ---- | ---- | -0.6740 | + 0.0030 | ---- | ---- | 31 UNCH |
| JUN21 | ---- | ---- | -0.6690 | + 0.0030 | ---- | ---- | 30 UNCH |
| JUL21 | ---- | ---- | -0.5850 | + 0.0030 | ---- | ---- | 31 UNCH |
| AUG21 | ---- | ---- | -0.5970 | + 0.0040 | ---- | ---- | 31 UNCH |
| SEP21 | ---- | ---- | -0.6100 | + 0.0040 | ---- | ---- | 30 UNCH |
| OCT21 | ---- | ---- | -0.6440 | + 0.0030 | ---- | ---- | 31 UNCH |
| TOTAL PH FUT | | | | | | | 9171 |
| XH FUT | PANHANDLE PIPE | | | | | | |

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# ENERGY FUTURES PRODUCTS



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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| JUL18 | ---- | ---- | 2.236 | + 0.047 | ---- | ---- | 197 | UNCH |
| AUG18 | ---- | ---- | 2.283 | + 0.047 | ---- | ---- | 197 | UNCH |
| SEP18 | ---- | ---- | 2.234 | + 0.036 | ---- | ---- | 197 | UNCH |
| OCT18 | ---- | ---- | 2.177 | + 0.036 | ---- | ---- | 197 | UNCH |
| NOV18 | ---- | ---- | 2.230 | + 0.022 | ---- | ---- | 197 | UNCH |
| DEC18 | ---- | ---- | 2.447 | + 0.017 | ---- | ---- | 197 | UNCH |
| TOTAL XH FUT | | | | | | | 1182 | |
| PM FUT | PERMIAN BASIS | | | | | | | |
| JUL18 | ---- | ---- | -1.2280 | - 0.0720 | ---- | ---- | 434 | UNCH |
| AUG18 | ---- | ---- | -1.2540 | - 0.0560 | ---- | ---- | 434 | UNCH |
| SEP18 | ---- | ---- | -1.4190 | - 0.0410 | ---- | ---- | 420 | UNCH |
| OCT18 | ---- | ---- | -1.4900 | - 0.0310 | ---- | ---- | 434 | UNCH |
| NOV18 | ---- | ---- | -1.5490 | - 0.0460 | ---- | ---- | 240 | UNCH |
| DEC18 | ---- | ---- | -1.3810 | - 0.0550 | ---- | ---- | 248 | UNCH |
| JAN19 | ---- | ---- | -1.3440 | - 0.0210 | ---- | ---- | 186 | UNCH |
| FEB19 | ---- | ---- | -1.4120 | - 0.0120 | ---- | ---- | 168 | UNCH |
| MAR19 | ---- | ---- | -1.6390 | - 0.0050 | ---- | ---- | 186 | UNCH |
| APR19 | ---- | ---- | -1.6940 | + 0.0120 | ---- | ---- | 120 | UNCH |
| MAY19 | ---- | ---- | -1.6220 | + 0.0090 | ---- | ---- | 124 | UNCH |
| JUN19 | ---- | ---- | -1.5930 | + 0.0110 | ---- | ---- | 120 | UNCH |
| JUL19 | ---- | ---- | -1.5240 | + 0.0080 | ---- | ---- | 124 | UNCH |
| AUG19 | ---- | ---- | -1.4970 | + 0.0080 | ---- | ---- | 124 | UNCH |
| SEP19 | ---- | ---- | -1.3690 | + 0.0080 | ---- | ---- | 120 | UNCH |
| OCT19 | ---- | ---- | -1.2190 | + 0.0030 | ---- | ---- | 124 | UNCH |
| NOV19 | ---- | ---- | -1.0410 | - 0.0280 | ---- | ---- | 60 | UNCH |
| DEC19 | ---- | ---- | -0.9090 | - 0.0290 | ---- | ---- | 62 | UNCH |
| JAN20 | ---- | ---- | -0.9130 | - 0.0290 | ---- | ---- | 279 | UNCH |
| FEB20 | ---- | ---- | -0.9080 | - 0.0260 | ---- | ---- | 261 | UNCH |
| MAR20 | ---- | ---- | -0.9640 | - 0.0280 | ---- | ---- | 279 | UNCH |
| APR20 | ---- | ---- | -1.1360 | - 0.0260 | ---- | ---- | 270 | UNCH |
| MAY20 | ---- | ---- | -1.1440 | - 0.0230 | ---- | ---- | 279 | UNCH |
| JUN20 | ---- | ---- | -1.1360 | - 0.0260 | ---- | ---- | 270 | UNCH |
| JUL20 | ---- | ---- | -1.0260 | - 0.0220 | ---- | ---- | 279 | UNCH |
| AUG20 | ---- | ---- | -1.0030 | - 0.0230 | ---- | ---- | 279 | UNCH |
| SEP20 | ---- | ---- | -1.0190 | - 0.0260 | ---- | ---- | 270 | UNCH |
| OCT20 | ---- | ---- | -1.0700 | - 0.0230 | ---- | ---- | 279 | UNCH |
| NOV20 | ---- | ---- | -0.7500 | - 0.0030 | ---- | ---- | 270 | UNCH |
| DEC20 | ---- | ---- | -0.5990 | - 0.0040 | ---- | ---- | 279 | UNCH |
| TOTAL PM FUT | | | | | | | 7022 | |
| NJ FUT | SAN JUAN BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.8520 | - 0.0720 | ---- | ---- | 1054 | UNCH |
| AUG18 | ---- | ---- | -0.7050 | + 0.0050 | ---- | ---- | 1054 | UNCH |
| SEP18 | ---- | ---- | -0.7210 | - 0.0120 | ---- | ---- | 1020 | UNCH |
| OCT18 | ---- | ---- | -0.8610 | - 0.0380 | ---- | ---- | 1302 | UNCH |
| NOV18 | ---- | ---- | -0.8310 | - 0.0390 | ---- | ---- | 900 | UNCH |
| DEC18 | ---- | ---- | -0.5740 | - 0.0410 | ---- | ---- | 930 | UNCH |
| JAN19 | ---- | ---- | -0.5520 | - 0.0100 | ---- | ---- | 186 | UNCH |
| FEB19 | ---- | ---- | -0.6610 | - 0.0050 | ---- | ---- | 168 | UNCH |
| MAR19 | ---- | ---- | -0.9280 | + 0.0010 | ---- | ---- | 186 | UNCH |
| APR19 | ---- | ---- | -1.1130 | - 0.0070 | ---- | ---- | 1170 | UNCH |
| MAY19 | ---- | ---- | -1.0780 | - 0.0070 | ---- | ---- | 1209 | UNCH |
| JUN19 | ---- | ---- | -1.0710 | - 0.0070 | ---- | ---- | 1170 | UNCH |
| JUL19 | ---- | ---- | -0.9700 | - 0.0080 | ---- | ---- | 713 | UNCH |
| AUG19 | ---- | ---- | -0.9500 | - 0.0080 | ---- | ---- | 713 | UNCH |
| SEP19 | ---- | ---- | -0.8680 | - 0.0080 | ---- | ---- | 690 | UNCH |
| OCT19 | ---- | ---- | -0.8270 | - 0.0090 | ---- | ---- | 713 | UNCH |
| NOV19 | ---- | ---- | -0.7670 | - 0.0050 | ---- | ---- | 180 | UNCH |
| DEC19 | ---- | ---- | -0.6850 | - 0.0060 | ---- | ---- | 186 | UNCH |
| APR20 | ---- | ---- | -0.8890 | - 0.0040 | ---- | ---- | 60 | UNCH |
| MAY20 | ---- | ---- | -0.8950 | - 0.0050 | ---- | ---- | 62 | UNCH |
| JUN20 | ---- | ---- | -0.8760 | - 0.0040 | ---- | ---- | 60 | UNCH |
| JUL20 | ---- | ---- | -0.7390 | - 0.0050 | ---- | ---- | 62 | UNCH |
| AUG20 | ---- | ---- | -0.7180 | - 0.0050 | ---- | ---- | 62 | UNCH |
| SEP20 | ---- | ---- | -0.7410 | - 0.0050 | ---- | ---- | 60 | UNCH |
| OCT20 | ---- | ---- | -0.8420 | - 0.0050 | ---- | ---- | 62 | UNCH |
| TOTAL NJ FUT | | | | | | | 13972 | |
| XX FUT | SAN JUAN PIPE | | | | | | | |
| NOV18 | ---- | ---- | 2.162 | UNCH | ---- | ---- | 72 | UNCH |
| DEC18 | ---- | ---- | 2.524 | - 0.007 | ---- | ---- | 72 | UNCH |
| JAN19 | ---- | ---- | 2.628 | + 0.021 | ---- | ---- | 72 | UNCH |
| FEB19 | ---- | ---- | 2.481 | + 0.024 | ---- | ---- | 72 | UNCH |
| MAR19 | ---- | ---- | 2.115 | + 0.030 | ---- | ---- | 72 | UNCH |
| TOTAL XX FUT | | | | | | | 360 | |
| 8Z FUT | SOUTH STAR TEX OKLHM KNS NG B | | | | | | | |
| JUL18 | ---- | ---- | -0.7600 | - 0.0140 | ---- | ---- | 10 | UNCH |
| AUG18 | ---- | ---- | -0.7160 | - 0.0150 | ---- | ---- | 10 | UNCH |
| SEP18 | ---- | ---- | -0.7420 | - 0.0220 | ---- | ---- | 10 | UNCH |
| OCT18 | ---- | ---- | -0.8030 | - 0.0190 | ---- | ---- | 10 | UNCH |
| NOV18 | ---- | ---- | -0.7880 | - 0.0180 | ---- | ---- | 10 | UNCH |
| DEC18 | ---- | ---- | -0.6600 | - 0.0170 | ---- | ---- | 10 | UNCH |
| TOTAL 8Z FUT | | | | | | | 60 | |
| NK FUT | SUMAS BASIS | | | | | | | |
| JUL18 | ---- | ---- | -1.2090 | - 0.0810 | ---- | ---- | 279 | UNCH |
| AUG18 | ---- | ---- | -0.9070 | - 0.0210 | ---- | ---- | 279 | UNCH |
| SEP18 | ---- | ---- | -1.0290 | - 0.0390 | ---- | ---- | 270 | UNCH |
| OCT18 | ---- | ---- | -1.0050 | - 0.0170 | ---- | ---- | 124 | UNCH |
| NOV18 | ---- | ---- | -0.6600 | - 0.0050 | ---- | ---- | 210 | UNCH |
| DEC18 | ---- | ---- | -0.0710 | - 0.0110 | ---- | ---- | 279 | UNCH |
| JAN19 | ---- | ---- | -0.3110 | - 0.0130 | ---- | ---- | 372 | UNCH |
| FEB19 | ---- | ---- | -0.6730 | - 0.0130 | ---- | ---- | 308 | UNCH |
| MAR19 | ---- | ---- | -0.9010 | - 0.0110 | ---- | ---- | 341 | UNCH |
| APR19 | ---- | ---- | -1.3510 | - 0.0150 | ---- | ---- | 120 | UNCH |
| MAY19 | ---- | ---- | -1.3280 | - 0.0150 | ---- | ---- | 124 | UNCH |
| JUN19 | ---- | ---- | -1.3280 | - 0.0150 | ---- | ---- | 120 | UNCH |
| JUL19 | ---- | ---- | -1.0680 | - 0.0170 | ---- | ---- | 124 | UNCH |
| AUG19 | ---- | ---- | -1.0430 | - 0.0170 | ---- | ---- | 124 | UNCH |
| SEP19 | ---- | ---- | -1.0480 | - 0.0170 | ---- | ---- | 120 | UNCH |
| OCT19 | ---- | ---- | -0.9410 | - 0.0170 | ---- | ---- | 124 | UNCH |
| NOV19 | ---- | ---- | -0.6280 | - 0.0100 | ---- | ---- | 180 | UNCH |
| DEC19 | ---- | ---- | -0.2160 | UNCH | ---- | ---- | 186 | UNCH |
| JAN20 | ---- | ---- | -0.5050 | - 0.0050 | ---- | ---- | 155 | UNCH |
| FEB20 | ---- | ---- | -0.6480 | - 0.0050 | ---- | ---- | 145 | UNCH |
| MAR20 | ---- | ---- | -0.8240 | - 0.0040 | ---- | ---- | 155 | UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| TOTAL NK FUT | | | | | | | 4139 | |
| TC FUT | TCO BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.1760 | + 0.0050 | ---- | ---- | 434 | UNCH |
| AUG18 | ---- | ---- | -0.1770 | + 0.0040 | ---- | ---- | 434 | UNCH |
| SEP18 | ---- | ---- | -0.2170 | + 0.0040 | ---- | ---- | 420 | UNCH |
| OCT18 | ---- | ---- | -0.2180 | + 0.0080 | ---- | ---- | 434 | UNCH |
| NOV18 | ---- | ---- | -0.2290 | - 0.0090 | ---- | ---- | 390 | UNCH |
| DEC18 | ---- | ---- | -0.2130 | - 0.0050 | ---- | ---- | 403 | UNCH |
| JAN19 | ---- | ---- | -0.2520 | - 0.0160 | ---- | ---- | 310 | UNCH |
| FEB19 | ---- | ---- | -0.2520 | - 0.0160 | ---- | ---- | 280 | UNCH |
| MAR19 | ---- | ---- | -0.3080 | - 0.0200 | ---- | ---- | 310 | UNCH |
| APR19 | ---- | ---- | -0.2830 | UNCH | ---- | ---- | 360 | UNCH |
| MAY19 | ---- | ---- | -0.3370 | - 0.0010 | ---- | ---- | 372 | UNCH |
| JUN19 | ---- | ---- | -0.3550 | - 0.0020 | ---- | ---- | 360 | UNCH |
| JUL19 | ---- | ---- | -0.4340 | - 0.0030 | ---- | ---- | 372 | UNCH |
| AUG19 | ---- | ---- | -0.4710 | - 0.0030 | ---- | ---- | 372 | UNCH |
| SEP19 | ---- | ---- | -0.4900 | - 0.0040 | ---- | ---- | 360 | UNCH |
| OCT19 | ---- | ---- | -0.4790 | - 0.0030 | ---- | ---- | 372 | UNCH |
| NOV19 | ---- | ---- | -0.3430 | - 0.0010 | ---- | ---- | 120 | UNCH |
| DEC19 | ---- | ---- | -0.3060 | UNCH | ---- | ---- | 124 | UNCH |
| JAN20 | ---- | ---- | -0.3470 | UNCH | ---- | ---- | 124 | UNCH |
| FEB20 | ---- | ---- | -0.3320 | - 0.0010 | ---- | ---- | 116 | UNCH |
| MAR20 | ---- | ---- | -0.3450 | - 0.0010 | ---- | ---- | 124 | UNCH |
| TOTAL TC FUT | | | | | | | 6591 | |
| TX FUT | TETCO STX BASIS | | | | | | | |
| JUL18 | ---- | ---- | 0.0160 | - 0.0040 | ---- | ---- | 62 | UNCH |
| AUG18 | ---- | ---- | 0.0180 | UNCH | ---- | ---- | 62 | UNCH |
| SEP18 | ---- | ---- | 0.0060 | + 0.0030 | ---- | ---- | 60 | UNCH |
| OCT18 | ---- | ---- | 0.0040 | + 0.0010 | ---- | ---- | 62 | UNCH |
| NOV18 | ---- | ---- | -0.0130 | - 0.0010 | ---- | ---- | 60 | UNCH |
| DEC18 | ---- | ---- | -0.0860 | - 0.0010 | ---- | ---- | 62 | UNCH |
| TOTAL TX FUT | | | | | | | 368 | |
| NX FUT | TEXAS EASTERN ZONE M-3 BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.5460 | + 0.0160 | ---- | ---- | 310 | UNCH |
| AUG18 | ---- | ---- | -0.4960 | + 0.0230 | ---- | ---- | 310 | UNCH |
| SEP18 | ---- | ---- | -0.5120 | + 0.0190 | ---- | ---- | 300 | UNCH |
| OCT18 | ---- | ---- | -0.5270 | + 0.0110 | ---- | ---- | 310 | UNCH |
| NOV18 | ---- | ---- | -0.2190 | + 0.0030 | ---- | ---- | 270 | UNCH |
| DEC18 | ---- | ---- | 0.4380 | - 0.0030 | ---- | ---- | 279 | UNCH |
| JAN19 | ---- | ---- | 2.5490 | + 0.0600 | ---- | ---- | 310 | UNCH |
| FEB19 | ---- | ---- | 2.4840 | + 0.0590 | ---- | ---- | 280 | UNCH |
| MAR19 | ---- | ---- | 0.1650 | + 0.0480 | ---- | ---- | 310 | UNCH |
| APR19 | ---- | ---- | -0.2720 | + 0.0010 | ---- | ---- | 60 | UNCH |
| MAY19 | ---- | ---- | -0.3880 | UNCH | ---- | ---- | 62 | UNCH |
| JUN19 | ---- | ---- | -0.4030 | UNCH | ---- | ---- | 60 | UNCH |
| JUL19 | ---- | ---- | -0.4130 | UNCH | ---- | ---- | 62 | UNCH |
| AUG19 | ---- | ---- | -0.4380 | UNCH | ---- | ---- | 62 | UNCH |
| SEP19 | ---- | ---- | -0.6040 | - 0.0010 | ---- | ---- | 60 | UNCH |
| OCT19 | ---- | ---- | -0.5330 | UNCH | ---- | ---- | 62 | UNCH |
| NOV19 | ---- | ---- | -0.3350 | + 0.0130 | ---- | ---- | 60 | UNCH |
| DEC19 | ---- | ---- | 0.2600 | + 0.0050 | ---- | ---- | 62 | UNCH |
| JAN20 | ---- | ---- | 2.2350 | + 0.0110 | ---- | ---- | 124 | UNCH |
| FEB20 | ---- | ---- | 2.1870 | + 0.0140 | ---- | ---- | 116 | UNCH |
| MAR20 | ---- | ---- | -0.1020 | + 0.0040 | ---- | ---- | 124 | UNCH |
| APR20 | ---- | ---- | -0.2850 | + 0.0010 | ---- | ---- | 60 | UNCH |
| MAY20 | ---- | ---- | -0.4040 | UNCH | ---- | ---- | 62 | UNCH |
| JUN20 | ---- | ---- | -0.4190 | + 0.0010 | ---- | ---- | 60 | UNCH |
| JUL20 | ---- | ---- | -0.4340 | + 0.0010 | ---- | ---- | 62 | UNCH |
| AUG20 | ---- | ---- | -0.4550 | UNCH | ---- | ---- | 62 | UNCH |
| SEP20 | ---- | ---- | -0.6350 | UNCH | ---- | ---- | 60 | UNCH |
| OCT20 | ---- | ---- | -0.5530 | UNCH | ---- | ---- | 62 | UNCH |
| NOV20 | ---- | ---- | -0.4430 | + 0.0040 | ---- | ---- | 60 | UNCH |
| DEC20 | ---- | ---- | 0.1830 | + 0.0050 | ---- | ---- | 62 | UNCH |
| TOTAL NX FUT | | | | | | | 4143 | |
| 9F FUT | TEXAS GAS ZONE1 NG BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.1640 | + 0.0030 | ---- | ---- | 484 | UNCH |
| AUG18 | ---- | ---- | -0.1600 | + 0.0140 | ---- | ---- | 484 | UNCH |
| SEP18 | ---- | ---- | -0.1700 | + 0.0160 | ---- | ---- | 476 | UNCH |
| OCT18 | ---- | ---- | -0.1680 | + 0.0130 | ---- | ---- | 484 | UNCH |
| NOV18 | ---- | ---- | -0.1540 | - 0.0080 | ---- | ---- | 476 | UNCH |
| DEC18 | ---- | ---- | -0.1790 | - 0.0080 | ---- | ---- | 484 | UNCH |
| TOTAL 9F FUT | | | | | | | 2888 | |
| CZ FUT | TRANSCO ZONE 3 BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.0420 | + 0.0020 | ---- | ---- | 279 | UNCH |
| AUG18 | ---- | ---- | -0.0360 | + 0.0020 | ---- | ---- | 279 | UNCH |
| SEP18 | ---- | ---- | -0.0390 | + 0.0010 | ---- | ---- | 270 | UNCH |
| OCT18 | ---- | ---- | -0.0440 | + 0.0010 | ---- | ---- | 279 | UNCH |
| NOV18 | ---- | ---- | -0.0540 | - 0.0010 | ---- | ---- | 270 | UNCH |
| DEC18 | ---- | ---- | -0.0520 | - 0.0010 | ---- | ---- | 279 | UNCH |
| TOTAL CZ FUT | | | | | | | 1656 | |
| NZ FUT | TRANSCO ZONE 6 BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.1060 | + 0.0200 | ---- | ---- | 279 | UNCH |
| AUG18 | ---- | ---- | -0.1410 | + 0.0250 | ---- | ---- | 279 | UNCH |
| SEP18 | ---- | ---- | -0.3710 | + 0.0050 | ---- | ---- | 270 | UNCH |
| OCT18 | ---- | ---- | -0.4030 | - 0.0020 | ---- | ---- | 279 | UNCH |
| NOV18 | ---- | ---- | 0.1810 | + 0.0390 | ---- | ---- | 60 | UNCH |
| DEC18 | ---- | ---- | 1.7190 | + 0.0590 | ---- | ---- | 62 | UNCH |
| JAN19 | ---- | ---- | 4.6680 | + 0.0960 | ---- | ---- | 62 | UNCH |
| FEB19 | ---- | ---- | 4.6360 | + 0.0950 | ---- | ---- | 56 | UNCH |
| MAR19 | ---- | ---- | 1.1510 | + 0.0520 | ---- | ---- | 62 | UNCH |
| TOTAL NZ FUT | | | | | | | 1409 | |
| TZ6 FUT | TRANSCO ZONE 6 NON NY BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.1130 | + 0.0210 | ---- | ---- | 248 | UNCH |
| AUG18 | ---- | ---- | -0.1610 | + 0.0310 | ---- | ---- | 248 | UNCH |
| SEP18 | ---- | ---- | -0.3280 | + 0.0170 | ---- | ---- | 240 | UNCH |
| OCT18 | ---- | ---- | -0.3560 | + 0.0040 | ---- | ---- | 248 | UNCH |
| NOV18 | ---- | ---- | -0.0900 | + 0.0060 | ---- | ---- | 240 | UNCH |
| DEC18 | ---- | ---- | 0.5430 | + 0.0040 | ---- | ---- | 248 | UNCH |
| JAN19 | ---- | ---- | 2.7390 | + 0.0290 | ---- | ---- | 217 | UNCH |
| FEB19 | ---- | ---- | 2.6530 | + 0.0310 | ---- | ---- | 196 | UNCH |
| MAR19 | ---- | ---- | 0.2270 | + 0.0190 | ---- | ---- | 217 | UNCH |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| TZ6 FUT | TRANSCO ZONE 6 NON NY BASIS | | | | | | | |
| APR19 | ---- | ---- | -0.1410 | UNCH | ---- | ---- | 210 | UNCH |
| MAY19 | ---- | ---- | -0.3660 | - 0.0010 | ---- | ---- | 217 | UNCH |
| JUN19 | ---- | ---- | -0.3910 | - 0.0010 | ---- | ---- | 210 | UNCH |
| JUL19 | ---- | ---- | -0.3380 | - 0.0010 | ---- | ---- | 217 | UNCH |
| AUG19 | ---- | ---- | -0.3450 | - 0.0010 | ---- | ---- | 217 | UNCH |
| SEP19 | ---- | ---- | -0.4510 | - 0.0010 | ---- | ---- | 210 | UNCH |
| OCT19 | ---- | ---- | -0.4110 | - 0.0010 | ---- | ---- | 217 | UNCH |
| NOV19 | ---- | ---- | -0.3490 | + 0.0110 | ---- | ---- | 210 | UNCH |
| DEC19 | ---- | ---- | 0.3430 | + 0.0030 | ---- | ---- | 217 | UNCH |
| TOTAL TZ6 FUT | | | | | | | 4027 | |
| TR FUT | TRANSCO ZONE4 BASIS | | | | | | | |
| JUL18 | ---- | ---- | -0.0320 | + 0.0010 | ---- | ---- | 403 | UNCH |
| AUG18 | ---- | ---- | -0.0300 | + 0.0060 | ---- | ---- | 403 | UNCH |
| SEP18 | ---- | ---- | -0.0350 | + 0.0060 | ---- | ---- | 390 | UNCH |
| OCT18 | ---- | ---- | -0.0500 | + 0.0060 | ---- | ---- | 403 | UNCH |
| NOV18 | ---- | ---- | -0.0560 | - 0.0010 | ---- | ---- | 330 | UNCH |
| DEC18 | ---- | ---- | -0.0510 | - 0.0010 | ---- | ---- | 341 | UNCH |
| JAN19 | ---- | ---- | -0.0480 | UNCH | ---- | ---- | 140 | UNCH |
| FEB19 | ---- | ---- | -0.0460 | - 0.0010 | ---- | ---- | 139 | UNCH |
| MAR19 | ---- | ---- | -0.0480 | UNCH | ---- | ---- | 139 | UNCH |
| APR19 | ---- | ---- | -0.0430 | + 0.0030 | ---- | ---- | 138 | UNCH |
| MAY19 | ---- | ---- | -0.0460 | + 0.0020 | ---- | ---- | 137 | UNCH |
| JUN19 | ---- | ---- | -0.0460 | + 0.0020 | ---- | ---- | 136 | UNCH |
| JUL19 | ---- | ---- | -0.0480 | + 0.0020 | ---- | ---- | 136 | UNCH |
| AUG19 | ---- | ---- | -0.0480 | + 0.0020 | ---- | ---- | 135 | UNCH |
| SEP19 | ---- | ---- | -0.0460 | + 0.0020 | ---- | ---- | 134 | UNCH |
| OCT19 | ---- | ---- | -0.0480 | + 0.0020 | ---- | ---- | 134 | UNCH |
| NOV19 | ---- | ---- | -0.0500 | UNCH | ---- | ---- | 133 | UNCH |
| DEC19 | ---- | ---- | -0.0500 | UNCH | ---- | ---- | 132 | UNCH |
| JAN20 | ---- | ---- | -0.0520 | UNCH | ---- | ---- | 132 | UNCH |
| FEB20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 131 | UNCH |
| MAR20 | ---- | ---- | -0.0520 | UNCH | ---- | ---- | 130 | UNCH |
| APR20 | ---- | ---- | -0.0400 | + 0.0040 | ---- | ---- | 130 | UNCH |
| MAY20 | ---- | ---- | -0.0400 | + 0.0040 | ---- | ---- | 129 | UNCH |
| JUN20 | ---- | ---- | -0.0420 | + 0.0040 | ---- | ---- | 129 | UNCH |
| JUL20 | ---- | ---- | -0.0420 | + 0.0040 | ---- | ---- | 128 | UNCH |
| AUG20 | ---- | ---- | -0.0400 | + 0.0040 | ---- | ---- | 127 | UNCH |
| SEP20 | ---- | ---- | -0.0420 | + 0.0040 | ---- | ---- | 127 | UNCH |
| OCT20 | ---- | ---- | -0.0400 | + 0.0040 | ---- | ---- | 126 | UNCH |
| NOV20 | ---- | ---- | -0.0550 | UNCH | ---- | ---- | 125 | UNCH |
| DEC20 | ---- | ---- | -0.0550 | UNCH | ---- | ---- | 125 | UNCH |
| TOTAL TR FUT | | | | | | | 5442 | |
| UKG FUT | UK NBP NAT GAS CAL MTH FUT | | | | | | | |
| JUL18 | ---- | ---- | 54.235 | + 1.905 | 20 | ---- | 10 | - 10 |
| AUG18 | ---- | 56.210B | 56.140 | + 1.820 | 20 | ---- | 20 | + 10 |
| SEP18 | ---- | ---- | 57.370 | + 1.720 | ---- | ---- | 15 | UNCH |
| OCT18 | ---- | ---- | 57.850 | + 1.700 | 60 | ---- | 18 | UNCH |
| NOV18 | ---- | ---- | 63.080 | + 1.680 | 60 | ---- | 18 | UNCH |
| DEC18 | ---- | ---- | 65.820 | + 1.750 | 60 | ---- | 18 | UNCH |
| JAN19 | ---- | ---- | 66.520 | + 1.820 | 20 | ---- | 2 | - 16 |
| FEB19 | ---- | ---- | 66.890 | + 1.830 | 20 | ---- | 2 | - 16 |
| MAR19 | ---- | ---- | 63.480 | + 1.830 | 20 | ---- | 2 | - 16 |
| APR19 | ---- | ---- | 55.730 | + 1.690 | 16 | ---- | 26 | + 16 |
| MAY19 | ---- | ---- | 50.860 | + 1.480 | 16 | ---- | 26 | + 16 |
| JUN19 | ---- | ---- | 47.490 | + 1.440 | 16 | ---- | 26 | + 16 |
| JUL19 | ---- | ---- | 48.610 | + 1.165 | 16 | ---- | 26 | + 16 |
| AUG19 | ---- | ---- | 48.610 | + 1.165 | 16 | ---- | 26 | + 16 |
| SEP19 | ---- | ---- | 48.610 | + 1.165 | 16 | ---- | 26 | + 16 |
| OCT19 | ---- | ---- | 55.360 | + 1.330 | 16 | ---- | 26 | + 16 |
| NOV19 | ---- | ---- | 55.360 | + 1.330 | 16 | ---- | 26 | + 16 |
| DEC19 | ---- | ---- | 55.360 | + 1.330 | 16 | ---- | 26 | + 16 |
| JAN20 | ---- | ---- | 59.940 | + 1.325 | 16 | ---- | 26 | + 16 |
| FEB20 | ---- | ---- | 59.940 | + 1.325 | 16 | ---- | 26 | + 16 |
| MAR20 | ---- | ---- | 59.940 | + 1.325 | 16 | ---- | 26 | + 16 |
| TOTAL UKG FUT | | | | | 472 | | 417 | + 144 |
| NBP FUT | UK NBP NATURAL GAS FRONT MTH FUT | | | | | | | |
| OCT18 | ---- | ---- | 7.648 | + 0.177 | 2 | ---- | 2 | UNCH |
| NOV18 | ---- | ---- | 8.351 | + 0.170 | 2 | ---- | 2 | UNCH |
| DEC18 | ---- | ---- | 8.725 | + 0.177 | 2 | ---- | 2 | UNCH |
| APR19 | ---- | ---- | 7.434 | + 0.180 | 27 | ---- | 3 | + 3 |
| MAY19 | ---- | ---- | 6.795 | + 0.155 | 27 | ---- | 3 | + 3 |
| JUN19 | ---- | ---- | 6.354 | + 0.153 | 27 | ---- | 3 | + 3 |
| JUL19 | ---- | ---- | 6.515 | + 0.116 | 27 | ---- | 3 | + 3 |
| AUG19 | ---- | ---- | 6.525 | + 0.116 | 27 | ---- | 3 | + 3 |
| SEP19 | ---- | ---- | 6.535 | + 0.117 | 27 | ---- | 3 | + 3 |
| OCT19 | ---- | ---- | 7.454 | + 0.133 | 27 | ---- | 3 | + 3 |
| NOV19 | ---- | ---- | 7.465 | + 0.133 | 27 | ---- | 3 | + 3 |
| DEC19 | ---- | ---- | 7.477 | + 0.134 | 27 | ---- | 3 | + 3 |
| JAN20 | ---- | ---- | 8.109 | + 0.130 | 27 | ---- | 3 | + 3 |
| FEB20 | ---- | ---- | 8.120 | + 0.130 | 27 | ---- | 3 | + 3 |
| MAR20 | ---- | ---- | 8.132 | + 0.130 | 27 | ---- | 3 | + 3 |
| TOTAL NBP FUT | | | | | 330 | | 42 | + 36 |
| NW FUT | WAHA BASIS | | | | | | | |
| JUL18 | ---- | ---- | -1.1870 | - 0.0740 | ---- | ---- | 321 | UNCH |
| AUG18 | ---- | ---- | -1.2210 | - 0.0610 | ---- | ---- | 321 | UNCH |
| SEP18 | ---- | ---- | -1.3730 | - 0.0400 | ---- | ---- | 317 | UNCH |
| OCT18 | ---- | ---- | -1.4440 | - 0.0280 | ---- | ---- | 217 | UNCH |
| NOV18 | ---- | ---- | -1.5080 | - 0.0300 | ---- | ---- | 240 | UNCH |
| DEC18 | ---- | ---- | -1.3150 | - 0.0250 | ---- | ---- | 248 | UNCH |
| JAN19 | ---- | ---- | -1.2970 | - 0.0190 | ---- | ---- | 344 | UNCH |
| FEB19 | ---- | ---- | -1.3590 | - 0.0100 | ---- | ---- | 326 | UNCH |
| MAR19 | ---- | ---- | -1.6110 | - 0.0060 | ---- | ---- | 344 | UNCH |
| APR19 | ---- | ---- | -1.6620 | - 0.0260 | ---- | ---- | 120 | UNCH |
| MAY19 | ---- | ---- | -1.5950 | - 0.0280 | ---- | ---- | 124 | UNCH |
| JUN19 | ---- | ---- | -1.5630 | - 0.0280 | ---- | ---- | 120 | UNCH |
| JUL19 | ---- | ---- | -1.5000 | - 0.0290 | ---- | ---- | 124 | UNCH |
| AUG19 | ---- | ---- | -1.4680 | - 0.0290 | ---- | ---- | 98 | UNCH |
| SEP19 | ---- | ---- | -1.3250 | - 0.0310 | ---- | ---- | 94 | UNCH |
| OCT19 | ---- | ---- | -1.1860 | - 0.0350 | ---- | ---- | 99 | UNCH |
| NOV19 | ---- | ---- | -0.9650 | - 0.0180 | ---- | ---- | 63 | UNCH |
| DEC19 | ---- | ---- | -0.8650 | - 0.0190 | ---- | ---- | 66 | UNCH |
| JAN20 | ---- | ---- | -0.8740 | - 0.0180 | ---- | ---- | 67 | UNCH |
| FEB20 | ---- | ---- | -0.8580 | - 0.0180 | ---- | ---- | 62 | UNCH |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| NW FUT | WAHA BASIS | | | | | | | |
| MAR20 | ---- | ---- | -0.9170 | - 0.0180 | ---- | ---- | 67 | UNCH |
| APR20 | ---- | ---- | -1.0690 | - 0.0180 | ---- | ---- | 66 | UNCH |
| MAY20 | ---- | ---- | -1.0720 | - 0.0180 | ---- | ---- | 67 | UNCH |
| JUN20 | ---- | ---- | -1.0560 | - 0.0180 | ---- | ---- | 65 | UNCH |
| JUL20 | ---- | ---- | -0.9930 | - 0.0180 | ---- | ---- | 67 | UNCH |
| AUG20 | ---- | ---- | -0.9540 | - 0.0180 | ---- | ---- | 67 | UNCH |
| SEP20 | ---- | ---- | -0.9780 | - 0.0180 | ---- | ---- | 65 | UNCH |
| OCT20 | ---- | ---- | -0.9930 | - 0.0180 | ---- | ---- | 31 | UNCH |
| NOV20 | ---- | ---- | -0.6760 | - 0.0070 | ---- | ---- | 30 | UNCH |
| DEC20 | ---- | ---- | -0.6020 | - 0.0070 | ---- | ---- | 31 | UNCH |
| TOTAL NW FUT | | | | | | | 4271 | |

## PETROLEUM FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| 1W FUT | 1% FUEL OIL (PLT) CARG CIF MED | | | | | | | |
| JUN18 | ---- | ---- | 438.481 | + 0.926 | ---- | ---- | 14 | UNCH |
| JUL18 | ---- | ---- | 448.460 | + 6.462 | ---- | ---- | 14 | UNCH |
| AUG18 | ---- | ---- | 445.835 | + 6.862 | ---- | ---- | 14 | UNCH |
| SEP18 | ---- | ---- | 442.566 | + 7.208 | ---- | ---- | 14 | UNCH |
| OCT18 | ---- | ---- | 439.124 | + 7.101 | ---- | ---- | 14 | UNCH |
| NOV18 | ---- | ---- | 437.123 | + 7.376 | ---- | ---- | 14 | UNCH |
| DEC18 | ---- | ---- | 436.187 | + 7.351 | ---- | ---- | 14 | UNCH |
| TOTAL 1W FUT | | | | | | | 98 | |
| 1X FUT | 1% FUEL OIL (PLT) CARG CIF NWE | | | | | | | |
| JUL18 | ---- | ---- | 450.210 | + 6.462 | ---- | ---- | 2 | UNCH |
| AUG18 | ---- | ---- | 447.335 | + 6.862 | ---- | ---- | 2 | UNCH |
| SEP18 | ---- | ---- | 444.066 | + 7.208 | ---- | ---- | 2 | UNCH |
| OCT18 | ---- | ---- | 440.374 | + 7.101 | ---- | ---- | 17 | UNCH |
| NOV18 | ---- | ---- | 437.373 | + 7.376 | ---- | ---- | 17 | UNCH |
| DEC18 | ---- | ---- | 434.687 | + 7.351 | ---- | ---- | 17 | UNCH |
| TOTAL 1X FUT | | | | | | | 57 | |
| FVB FUT | 1.0% FUEL OIL (PLATTS) FOB NWE | | | | | | | |
| JAN20 | ---- | ---- | -8.766 | + 0.366 | ---- | ---- | 5 | UNCH |
| FEB20 | ---- | ---- | -7.984 | + 0.376 | ---- | ---- | 5 | UNCH |
| MAR20 | ---- | ---- | -7.262 | + 0.357 | ---- | ---- | 5 | UNCH |
| APR20 | ---- | ---- | -6.479 | + 0.376 | ---- | ---- | 5 | UNCH |
| MAY20 | ---- | ---- | -5.824 | + 0.387 | ---- | ---- | 5 | UNCH |
| JUN20 | ---- | ---- | -5.181 | + 0.387 | ---- | ---- | 5 | UNCH |
| TOTAL FVB FUT | | | | | | | 30 | |
| BOB FUT | 3.5% FUEL OIL (PLATTS) FOB RDA | | | | | | | |
| JUN18 | ---- | ---- | -10.209 | UNCH | ---- | ---- | 564 | UNCH |
| JUL18 | ---- | ---- | -9.619 | - 0.052 | ---- | 18 | 474 | + 2 |
| AUG18 | ---- | ---- | -9.838 | - 0.071 | ---- | 23 | 288 | + 16 |
| SEP18 | ---- | ---- | -10.269 | - 0.097 | ---- | 3 | 256 | - 3 |
| OCT18 | ---- | ---- | -10.655 | - 0.158 | ---- | 32 | 328 | - 17 |
| NOV18 | ---- | ---- | -10.956 | - 0.130 | ---- | 32 | 328 | - 17 |
| DEC18 | ---- | ---- | -11.157 | - 0.100 | ---- | 32 | 397 | - 14 |
| JAN19 | ---- | ---- | -11.176 | - 0.047 | ---- | ---- | 76 | UNCH |
| FEB19 | ---- | ---- | -11.289 | + 0.004 | ---- | ---- | 76 | UNCH |
| MAR19 | ---- | ---- | -11.435 | + 0.074 | ---- | ---- | 76 | UNCH |
| APR19 | ---- | ---- | -11.725 | + 0.115 | ---- | ---- | 84 | UNCH |
| MAY19 | ---- | ---- | -12.205 | + 0.154 | ---- | ---- | 84 | UNCH |
| JUN19 | ---- | ---- | -12.993 | + 0.184 | ---- | ---- | 148 | UNCH |
| JUL19 | ---- | ---- | -14.240 | + 0.175 | ---- | ---- | 82 | UNCH |
| AUG19 | ---- | ---- | -15.957 | + 0.245 | ---- | ---- | 82 | UNCH |
| SEP19 | ---- | ---- | -18.172 | + 0.315 | ---- | ---- | 82 | UNCH |
| OCT19 | ---- | ---- | -20.532 | + 0.315 | ---- | ---- | 74 | UNCH |
| NOV19 | ---- | ---- | -22.781 | + 0.335 | ---- | ---- | 74 | UNCH |
| DEC19 | ---- | ---- | -24.464 | + 0.336 | ---- | ---- | 74 | UNCH |
| JAN20 | ---- | ---- | -26.030 | + 0.366 | ---- | ---- | 65 | UNCH |
| FEB20 | ---- | ---- | -25.366 | + 0.376 | ---- | ---- | 65 | UNCH |
| MAR20 | ---- | ---- | -24.742 | + 0.357 | ---- | ---- | 65 | UNCH |
| APR20 | ---- | ---- | -24.077 | + 0.377 | ---- | ---- | 67 | UNCH |
| MAY20 | ---- | ---- | -23.423 | + 0.387 | ---- | ---- | 67 | UNCH |
| JUN20 | ---- | ---- | -22.779 | + 0.388 | ---- | ---- | 67 | UNCH |
| JUL20 | ---- | ---- | -22.135 | + 0.408 | ---- | ---- | 67 | UNCH |
| AUG20 | ---- | ---- | -21.496 | + 0.420 | ---- | ---- | 67 | UNCH |
| SEP20 | ---- | ---- | -20.915 | + 0.428 | ---- | ---- | 67 | UNCH |
| OCT20 | ---- | ---- | -20.331 | + 0.468 | ---- | ---- | 87 | UNCH |
| NOV20 | ---- | ---- | -19.786 | + 0.487 | ---- | ---- | 87 | UNCH |
| DEC20 | ---- | ---- | -19.249 | + 0.498 | ---- | ---- | 87 | UNCH |
| JAN21 | ---- | ---- | -18.873 | + 0.516 | ---- | ---- | 14 | UNCH |
| FEB21 | ---- | ---- | -18.523 | + 0.545 | ---- | ---- | 14 | UNCH |
| MAR21 | ---- | ---- | -18.248 | + 0.567 | ---- | ---- | 14 | UNCH |

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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|
| BOB FUT | 3.5% FUEL OIL (PLATTS) FOB RDA | | | | | | | | | |
| APR21 | | ---- | ---- | -17.972 | + | 0.588 | ---- | ---- | 14 | UNCH |
| MAY21 | | ---- | ---- | -17.687 | + | 0.612 | ---- | ---- | 14 | UNCH |
| JUN21 | | ---- | ---- | -17.412 | + | 0.635 | ---- | ---- | 14 | UNCH |
| JUL21 | | ---- | ---- | -17.146 | + | 0.650 | ---- | ---- | 14 | UNCH |
| AUG21 | | ---- | ---- | -16.881 | + | 0.664 | ---- | ---- | 14 | UNCH |
| SEP21 | | ---- | ---- | -16.610 | + | 0.690 | ---- | ---- | 14 | UNCH |
| OCT21 | | ---- | ---- | -16.341 | + | 0.715 | ---- | ---- | 14 | UNCH |
| NOV21 | | ---- | ---- | -16.101 | + | 0.741 | ---- | ---- | 14 | UNCH |
| DEC21 | | ---- | ---- | -15.854 | + | 0.767 | ---- | ---- | 14 | UNCH |
| TOTAL BOB FUT | | | | | | | | 140 | 4673 | - 33 |
| 7D FUT | 3.5% FUEL OIL CID MED | | | | | | | | | |
| JUN18 | | ---- | ---- | 429.847 | + | 1.387 | ---- | ---- | 50 | UNCH |
| JUL18 | | ---- | ---- | 438.674 | + | 7.851 | ---- | ---- | 50 | UNCH |
| AUG18 | | ---- | ---- | 434.116 | + | 8.070 | ---- | ---- | 50 | UNCH |
| SEP18 | | ---- | ---- | 429.405 | + | 7.892 | ---- | ---- | 50 | UNCH |
| JAN19 | | ---- | ---- | 413.929 | + | 7.398 | ---- | ---- | 4 | UNCH |
| FEB19 | | ---- | ---- | 410.913 | + | 7.399 | ---- | ---- | 4 | UNCH |
| MAR19 | | ---- | ---- | 407.514 | + | 7.464 | ---- | ---- | 4 | UNCH |
| APR19 | | ---- | ---- | 403.264 | + | 7.339 | ---- | ---- | 4 | UNCH |
| MAY19 | | ---- | ---- | 398.014 | + | 7.214 | ---- | ---- | 4 | UNCH |
| JUN19 | | ---- | ---- | 390.889 | + | 7.089 | ---- | ---- | 4 | UNCH |
| JUL19 | | ---- | ---- | 380.639 | + | 6.714 | ---- | ---- | 4 | UNCH |
| AUG19 | | ---- | ---- | 367.514 | + | 6.839 | ---- | ---- | 4 | UNCH |
| SEP19 | | ---- | ---- | 351.264 | + | 6.964 | ---- | ---- | 4 | UNCH |
| OCT19 | | ---- | ---- | 333.764 | + | 6.714 | ---- | ---- | 4 | UNCH |
| NOV19 | | ---- | ---- | 317.264 | + | 6.589 | ---- | ---- | 4 | UNCH |
| DEC19 | | ---- | ---- | 304.264 | + | 6.339 | ---- | ---- | 4 | UNCH |
| TOTAL 7D FUT | | | | | | | | | 248 | |
| 63 FUT | 3.5% FUEL OIL RDAM VS FOB MED BALM | | | | | | | | | |
| 06JUN18 | | ---- | ---- | 5.680 | + | 0.250 | ---- | ---- | 10 | UNCH |
| 12JUN18 | | ---- | ---- | 5.733 | + | 0.322 | ---- | ---- | 25 | UNCH |
| TOTAL 63 FUT | | | | | | | | | 35 | |
| EOB FUT | ARGUS GASOLINE NWE CRACK SPR | | | | | | | | | |
| JUN18 | | ---- | ---- | 8.985 | + | 0.075 | ---- | ---- | 23 | UNCH |
| JUL18 | | ---- | ---- | 8.414 | + | 0.805 | ---- | ---- | 16 | UNCH |
| AUG18 | | ---- | ---- | 8.221 | + | 0.658 | ---- | ---- | 11 | UNCH |
| SEP18 | | ---- | ---- | 7.954 | + | 0.558 | ---- | ---- | 11 | UNCH |
| OCT18 | | ---- | ---- | 5.087 | + | 0.477 | ---- | ---- | 6 | UNCH |
| NOV18 | | ---- | ---- | 4.567 | + | 0.498 | ---- | ---- | 6 | UNCH |
| DEC18 | | ---- | ---- | 4.518 | + | 0.501 | ---- | ---- | 10 | UNCH |
| OCT19 | | ---- | ---- | 6.452 | + | 0.227 | ---- | ---- | 10 | UNCH |
| TOTAL EOB FUT | | | | | | | | | 93 | |
| 5C FUT | CHICAGO ULSD PL VS HO SPR | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.0038 | + | 0.0012 | ---- | ---- | 130 | UNCH |
| JUL18 | | ---- | ---- | 0.0115 | | UNCH | ---- | ---- | 178 | UNCH |
| AUG18 | | ---- | ---- | 0.0165 | | UNCH | ---- | ---- | 151 | UNCH |
| SEP18 | | ---- | ---- | 0.0252 | | UNCH | ---- | ---- | 361 | UNCH |
| OCT18 | | ---- | ---- | 0.0298 | | UNCH | ---- | ---- | 192 | UNCH |
| NOV18 | | ---- | ---- | 0.0115 | | UNCH | ---- | ---- | 55 | UNCH |
| DEC18 | | ---- | ---- | -0.0120 | | UNCH | ---- | ---- | 25 | UNCH |
| JAN19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| FEB19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| MAR19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| APR19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| MAY19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| JUN19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| JUL19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| AUG19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| SEP19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| OCT19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| NOV19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| DEC19 | | ---- | ---- | 0.0060 | | UNCH | ---- | ---- | 2 | UNCH |
| TOTAL 5C FUT | | | | | | | | | 1116 | |
| 3C FUT | CHICAGO UNL GAS PL VS RBOB SPR | | | | | | | | | |
| AUG18 | | ---- | ---- | -0.0525 | | UNCH | ---- | ---- | 575 | UNCH |
| SEP18 | | ---- | ---- | 0.0450 | | UNCH | ---- | ---- | 25 | UNCH |
| OCT18 | | ---- | ---- | 0.0250 | | NEW | ---- | 25 | 25 | + 25 |
| TOTAL 3C FUT | | | | | | | | 25 | 625 | + 25 |
| EWN FUT | E/W NAPHTHA JAPAN CF-CARGOS CIF NWE | | | | | | | | | |
| JUN18 | | ---- | ---- | 10.310 | - | 0.376 | ---- | ---- | 282 | UNCH |
| JUL18 | | ---- | ---- | 6.750 | + | 0.750 | ---- | ---- | 349 | UNCH |
| AUG18 | | ---- | ---- | 6.083 | + | 0.333 | ---- | 25 | 146 | UNCH |
| SEP18 | | ---- | ---- | 5.833 | + | 0.253 | ---- | ---- | 134 | UNCH |

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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EWN FUT | E/W NAPHTHA JAPAN CF-CARGOS CIF NWE | | | | | | | | | | |
| OCT18 | | ---- | ---- | 6.000 | - | 0.125 | ---- | 2 | 29 | + | 2 |
| NOV18 | | ---- | ---- | 6.084 | - | 0.082 | ---- | 2 | 29 | + | 2 |
| DEC18 | | ---- | ---- | 6.083 | - | 0.167 | ---- | 2 | 43 | + | 2 |
| JAN19 | | ---- | ---- | 5.500 | - | 0.125 | ---- | 15 | 57 | + | 15 |
| FEB19 | | ---- | ---- | 6.084 | + | 0.334 | ---- | 15 | 40 | + | 15 |
| MAR19 | | ---- | ---- | 6.375 | + | 0.125 | ---- | 15 | 40 | + | 15 |
| TOTAL EWN FUT | | | | | | | | 76 | 1149 | + | 51 |
| EW FUT | EAST/WEST FUEL OIL SPREAD | | | | | | | | | | |
| JUN18 | | ---- | ---- | 32.74 | - | 0.22 | ---- | ---- | 20 | | UNCH |
| SEP18 | | ---- | ---- | 26.88 | - | 0.04 | ---- | ---- | 65 | | UNCH |
| JAN19 | | ---- | ---- | 29.25 | - | 0.02 | ---- | ---- | 1 | | UNCH |
| FEB19 | | ---- | ---- | 29.55 | | UNCH | ---- | ---- | 1 | | UNCH |
| MAR19 | | ---- | ---- | 30.00 | + | 0.25 | ---- | ---- | 1 | | UNCH |
| APR19 | | ---- | ---- | 30.75 | - | 0.07 | ---- | ---- | 1 | | UNCH |
| MAY19 | | ---- | ---- | 32.00 | + | 0.33 | ---- | ---- | 1 | | UNCH |
| JUN19 | | ---- | ---- | 33.60 | + | 0.45 | ---- | ---- | 1 | | UNCH |
| JUL19 | | ---- | ---- | 36.25 | | UNCH | ---- | ---- | 1 | | UNCH |
| AUG19 | | ---- | ---- | 39.50 | + | 0.50 | ---- | ---- | 1 | | UNCH |
| SEP19 | | ---- | ---- | 43.25 | + | 0.75 | ---- | ---- | 1 | | UNCH |
| OCT19 | | ---- | ---- | 46.50 | + | 0.25 | ---- | ---- | 1 | | UNCH |
| NOV19 | | ---- | ---- | 46.25 | + | 0.25 | ---- | ---- | 1 | | UNCH |
| DEC19 | | ---- | ---- | 44.00 | + | 0.25 | ---- | ---- | 1 | | UNCH |
| TOTAL EW FUT | | | | | | | | | 97 | | |
| EWG FUT | EAST-WST GASOLINE SPREAD PLATTS/ARG | | | | | | | | | | |
| JUN18 | | ---- | ---- | -3.247 | - | 0.108 | ---- | ---- | 3486 | | UNCH |
| JUL18 | | ---- | ---- | -3.500 | - | 0.284 | ---- | ---- | 782 | | UNCH |
| AUG18 | | ---- | ---- | -3.290 | - | 0.170 | ---- | ---- | 439 | | UNCH |
| SEP18 | | ---- | ---- | -3.074 | - | 0.174 | ---- | ---- | 439 | | UNCH |
| OCT18 | | ---- | ---- | -0.153 | - | 0.099 | ---- | ---- | 585 | | UNCH |
| NOV18 | | ---- | ---- | 0.513 | - | 0.056 | ---- | ---- | 555 | | UNCH |
| DEC18 | | ---- | ---- | 0.749 | + | 0.004 | ---- | ---- | 1405 | | UNCH |
| TOTAL EWG FUT | | | | | | | | | 7691 | | |
| A5 FUT | EIA FLAT TAX ONHWAY DIESEL | | | | | | | | | | |
| JUN18 | | ---- | ---- | 3.2528 | | UNCH | ---- | ---- | 178 | | UNCH |
| JUL18 | | ---- | ---- | 3.2103 | + | 0.0481 | ---- | ---- | 236 | | UNCH |
| AUG18 | | ---- | ---- | 3.2158 | + | 0.0467 | ---- | ---- | 243 | | UNCH |
| SEP18 | | ---- | ---- | 3.2267 | + | 0.0453 | ---- | ---- | 238 | | UNCH |
| OCT18 | | ---- | ---- | 3.2335 | + | 0.0435 | ---- | ---- | 167 | | UNCH |
| NOV18 | | ---- | ---- | 3.2333 | + | 0.0425 | ---- | ---- | 177 | | UNCH |
| DEC18 | | ---- | ---- | 3.2299 | + | 0.0412 | ---- | ---- | 220 | | UNCH |
| JAN19 | | ---- | ---- | 3.2457 | + | 0.0404 | ---- | 15 | 80 | + | 15 |
| FEB19 | | ---- | ---- | 3.2434 | + | 0.0388 | ---- | 15 | 40 | + | 4 |
| MAR19 | | ---- | ---- | 3.2351 | + | 0.0381 | ---- | 15 | 66 | + | 15 |
| APR19 | | ---- | ---- | 3.2195 | + | 0.0365 | ---- | ---- | 36 | | UNCH |
| MAY19 | | ---- | ---- | 3.2167 | + | 0.0358 | ---- | ---- | 36 | | UNCH |
| JUN19 | | ---- | ---- | 3.2224 | + | 0.0354 | ---- | ---- | 36 | | UNCH |
| JUL19 | | ---- | ---- | 3.2313 | + | 0.0354 | ---- | ---- | 36 | | UNCH |
| AUG19 | | ---- | ---- | 3.2407 | + | 0.0356 | ---- | ---- | 36 | | UNCH |
| SEP19 | | ---- | ---- | 3.2452 | + | 0.0353 | ---- | ---- | 36 | | UNCH |
| OCT19 | | ---- | ---- | 3.2458 | + | 0.0354 | ---- | ---- | 36 | | UNCH |
| NOV19 | | ---- | ---- | 3.2472 | + | 0.0353 | ---- | ---- | 41 | | UNCH |
| DEC19 | | ---- | ---- | 3.2433 | + | 0.0349 | ---- | ---- | 36 | | UNCH |
| JAN20 | | ---- | ---- | 3.3000 | | NEW | ---- | 31 | 31 | + | 31 |
| TOTAL A5 FUT | | | | | | | | 76 | 2005 | + | 65 |
| JE FUT | EIA FLAT TAX US RETAIL GASOLINE | | | | | | | | | | |
| JUN18 | | ---- | ---- | 2.8908 | | UNCH | ---- | ---- | 35 | | UNCH |
| JUL18 | | ---- | ---- | 2.9603 | + | 0.0536 | ---- | ---- | 27 | | UNCH |
| AUG18 | | ---- | ---- | 2.9402 | + | 0.0506 | ---- | ---- | 27 | | UNCH |
| SEP18 | | ---- | ---- | 2.8278 | + | 0.0466 | ---- | ---- | 27 | | UNCH |
| OCT18 | | ---- | ---- | 2.8357 | + | 0.0437 | ---- | ---- | 33 | | UNCH |
| NOV18 | | ---- | ---- | 2.8189 | + | 0.0410 | ---- | ---- | 33 | | UNCH |
| DEC18 | | ---- | ---- | 2.8164 | + | 0.0389 | ---- | ---- | 33 | | UNCH |
| TOTAL JE FUT | | | | | | | | | 215 | | |
| ENS FUT | EUR1%FUEL OIL FOB MED-EUR1% FOB NWE | | | | | | | | | | |
| JUN18 | | ---- | ---- | 5.893 | - | 0.130 | ---- | ---- | 30 | | UNCH |
| JUL18 | | ---- | ---- | 5.500 | - | 0.250 | ---- | ---- | 20 | | UNCH |
| AUG18 | | ---- | ---- | 5.500 | - | 0.250 | ---- | ---- | 20 | | UNCH |
| SEP18 | | ---- | ---- | 5.750 | | UNCH | ---- | ---- | 20 | | UNCH |
| OCT18 | | ---- | ---- | 5.750 | | UNCH | ---- | ---- | 20 | | UNCH |
| NOV18 | | ---- | ---- | 6.000 | | UNCH | ---- | ---- | 20 | | UNCH |
| DEC18 | | ---- | ---- | 6.250 | | UNCH | ---- | ---- | 20 | | UNCH |
| TOTAL ENS FUT | | | | | | | | | 150 | | |
| KX FUT | EURO 1% FUEL OIL NEW BALMO | | | | | | | | | | |

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|
| KX FUT | EURO 1% FUEL OIL NEW BALMO | | | | | | | | | |
| 04JUN18 | | ---- | ---- | 425.005 | + | 1.122 | ---- | ---- | 3 | UNCH |
| TOTAL KX FUT | | | | | | | | | 3 | |
| KR FUT | EURO 3.5% FUEL OIL RDAM BALMO | | | | | | | | | |
| 01JUN18 | | ---- | ---- | 416.731 | + | 1.188 | ---- | ---- | 5 | UNCH |
| 04JUN18 | | ---- | ---- | 416.680 | + | 1.247 | ---- | ---- | 90 | UNCH |
| 05JUN18 | | ---- | ---- | 416.716 | + | 1.313 | ---- | ---- | 150 | UNCH |
| 06JUN18 | | ---- | ---- | 416.839 | + | 1.386 | ---- | ---- | 30 | UNCH |
| 07JUN18 | | ---- | ---- | 417.021 | + | 1.468 | ---- | ---- | 15 | UNCH |
| 08JUN18 | | ---- | ---- | 416.584 | + | 1.559 | ---- | ---- | 45 | UNCH |
| 11JUN18 | | ---- | ---- | 416.073 | + | 1.663 | ---- | ---- | 65 | UNCH |
| 12JUN18 | | ---- | ---- | 415.596 | + | 1.782 | ---- | ---- | 80 | UNCH |
| 13JUN18 | | ---- | ---- | 415.277 | + | 1.919 | ---- | ---- | 60 | UNCH |
| 14JUN18 | | ---- | ---- | 415.175 | + | 2.079 | ---- | ---- | 35 | UNCH |
| 15JUN18 | | ---- | ---- | 415.168 | + | 2.268 | ---- | ---- | 30 | UNCH |
| 18JUN18 | | ---- | ---- | 416.460 | + | 2.495 | ---- | ---- | 16 | UNCH |
| 25JUN18 | | ---- | ---- | 424.120 | + | 4.990 | ---- | ---- | 30 | UNCH |
| TOTAL KR FUT | | | | | | | | | 651 | |
| FK FUT | EURO 3.5% FUEL OIL SPREAD | | | | | | | | | |
| JUN18 | | ---- | ---- | 5.13 | + | 0.21 | ---- | ---- | 52 | UNCH |
| JUL18 | | ---- | ---- | 0.50 | - | 0.18 | ---- | ---- | 84 | UNCH |
| AUG18 | | ---- | ---- | -0.83 | + | 0.04 | ---- | ---- | 25 | UNCH |
| SEP18 | | ---- | ---- | -1.06 | + | 0.03 | ---- | ---- | 17 | UNCH |
| OCT18 | | ---- | ---- | -1.56 | + | 0.03 | ---- | ---- | 20 | UNCH |
| NOV18 | | ---- | ---- | -1.58 | - | 0.00 | ---- | ---- | 20 | UNCH |
| DEC18 | | ---- | ---- | -1.63 | | UNCH | ---- | ---- | 20 | UNCH |
| TOTAL FK FUT | | | | | | | | | 238 | |
| ET FUT | EURO DIESEL 10PPM VS ICE | | | | | | | | | |
| JUN18 | | ---- | ---- | 2.42 | - | 0.07 | ---- | ---- | 43 | UNCH |
| JUL18 | | ---- | ---- | -0.92 | + | 0.04 | ---- | ---- | 50 | UNCH |
| AUG18 | | ---- | ---- | -1.19 | + | 0.10 | ---- | ---- | 50 | UNCH |
| SEP18 | | ---- | ---- | -1.19 | + | 0.19 | ---- | ---- | 50 | UNCH |
| OCT18 | | ---- | ---- | -0.04 | - | 0.17 | ---- | ---- | 22 | UNCH |
| NOV18 | | ---- | ---- | -0.04 | - | 0.17 | ---- | ---- | 22 | UNCH |
| DEC18 | | ---- | ---- | -0.04 | - | 0.17 | ---- | ---- | 22 | UNCH |
| JAN19 | | ---- | ---- | -0.75 | | UNCH | ---- | ---- | 20 | UNCH |
| FEB19 | | ---- | ---- | -0.75 | | UNCH | ---- | ---- | 20 | UNCH |
| MAR19 | | ---- | ---- | -0.75 | | UNCH | ---- | ---- | 20 | UNCH |
| TOTAL ET FUT | | | | | | | | | 319 | |
| EPN FUT | EURO PPNE CIFARG VS NAPHTHA NWE SW | | | | | | | | | |
| JUN18 | | ---- | ---- | -108.631 | - | 0.226 | ---- | ---- | 161 | UNCH |
| JUL18 | | ---- | ---- | -102.000 | - | 2.000 | ---- | 1 | 154 | + 1 |
| AUG18 | | ---- | ---- | -103.500 | - | 3.000 | ---- | 34 | 133 | + 15 |
| SEP18 | | ---- | ---- | -101.250 | - | 3.250 | ---- | 11 | 116 | + 9 |
| OCT18 | | ---- | ---- | -98.750 | - | 3.750 | ---- | 9 | 123 | + 6 |
| NOV18 | | ---- | ---- | -95.000 | - | 3.750 | ---- | 9 | 123 | + 6 |
| DEC18 | | ---- | ---- | -93.750 | - | 3.750 | ---- | 9 | 131 | + 6 |
| JAN19 | | ---- | ---- | -93.500 | - | 3.500 | ---- | 12 | 77 | + 12 |
| FEB19 | | ---- | ---- | -101.750 | - | 5.000 | ---- | 12 | 77 | + 12 |
| MAR19 | | ---- | ---- | -122.500 | - | 6.500 | ---- | 12 | 77 | + 12 |
| APR19 | | ---- | ---- | -143.000 | - | 7.250 | ---- | 1 | 27 | + 1 |
| MAY19 | | ---- | ---- | -152.000 | - | 7.750 | ---- | 1 | 27 | + 1 |
| JUN19 | | ---- | ---- | -150.500 | - | 7.250 | ---- | 1 | 27 | + 1 |
| JUL19 | | ---- | ---- | -145.250 | - | 7.750 | ---- | 1 | 24 | + 1 |
| AUG19 | | ---- | ---- | -139.250 | - | 7.250 | ---- | 1 | 24 | + 1 |
| SEP19 | | ---- | ---- | -133.500 | - | 6.750 | ---- | 1 | 24 | + 1 |
| OCT19 | | ---- | ---- | -128.250 | - | 6.500 | ---- | 1 | 27 | + 1 |
| NOV19 | | ---- | ---- | -122.750 | - | 6.500 | ---- | 1 | 27 | + 1 |
| DEC19 | | ---- | ---- | -116.000 | - | 6.250 | ---- | 1 | 27 | + 1 |
| TOTAL EPN FUT | | | | | | | | 118 | 1406 | + 88 |
| 43 FUT | EUROP NAPHTHA PLATTS CRCK SPR BALMO | | | | | | | | | |
| 04JUN18 | | ---- | ---- | -4.926 | - | 0.012 | ---- | ---- | 108 | UNCH |
| 05JUN18 | | ---- | ---- | -4.983 | - | 0.012 | ---- | ---- | 36 | UNCH |
| 06JUN18 | | ---- | ---- | -5.003 | - | 0.013 | ---- | ---- | 85 | UNCH |
| 08JUN18 | | ---- | ---- | -4.978 | - | 0.014 | ---- | ---- | 125 | UNCH |
| TOTAL 43 FUT | | | | | | | | | 354 | |
| UF FUT | EUROPE 1% FUEL OIL NWE CAL | | | | | | | | | |
| JUN18 | | ---- | ---- | 424.89 | + | 1.07 | ---- | ---- | 35 | UNCH |
| JUL18 | | ---- | ---- | 435.96 | + | 6.71 | ---- | ---- | 17 | UNCH |
| AUG18 | | ---- | ---- | 433.34 | + | 7.11 | ---- | ---- | 17 | UNCH |
| SEP18 | | ---- | ---- | 429.32 | + | 7.21 | ---- | ---- | 17 | UNCH |
| OCT18 | | ---- | ---- | 425.37 | + | 7.10 | ---- | ---- | 31 | UNCH |
| NOV18 | | ---- | ---- | 421.62 | + | 7.38 | ---- | ---- | 31 | UNCH |
| DEC18 | | ---- | ---- | 418.19 | + | 7.35 | ---- | ---- | 31 | UNCH |

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**FINAL**



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|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL UF FUT | | | | | | | | | 179 | | |
| UH FUT | EUROPE 1% FUEL OIL RDAM CAL | | | | | | | | | | |
| OCT19 | | ---- | ---- | 401.80 | + | 6.75 | ---- | ---- | 1 | | UNCH |
| NOV19 | | ---- | ---- | 403.43 | + | 6.63 | ---- | ---- | 1 | | UNCH |
| DEC19 | | ---- | ---- | 400.18 | + | 6.38 | ---- | ---- | 1 | | UNCH |
| TOTAL UH FUT | | | | | | | | | 3 | | |
| UI FUT | EUROPE 3.5% FUEL OIL MED CAL | | | | | | | | | | |
| JUN18 | | ---- | ---- | 421.86 | + | 1.40 | ---- | ---- | 51 | | UNCH |
| JUL18 | | ---- | ---- | 431.21 | + | 7.89 | ---- | ---- | 81 | | UNCH |
| AUG18 | | ---- | ---- | 426.65 | + | 8.11 | ---- | ---- | 51 | | UNCH |
| SEP18 | | ---- | ---- | 421.94 | + | 7.93 | ---- | ---- | 51 | | UNCH |
| OCT18 | | ---- | ---- | 416.89 | + | 7.59 | ---- | ---- | 1 | | UNCH |
| NOV18 | | ---- | ---- | 412.66 | + | 7.60 | ---- | ---- | 1 | | UNCH |
| DEC18 | | ---- | ---- | 408.73 | + | 7.46 | ---- | ---- | 1 | | UNCH |
| JAN19 | | ---- | ---- | 406.47 | + | 7.43 | ---- | ---- | 5 | | UNCH |
| FEB19 | | ---- | ---- | 403.45 | + | 7.43 | ---- | ---- | 5 | | UNCH |
| MAR19 | | ---- | ---- | 400.05 | + | 7.50 | ---- | ---- | 5 | | UNCH |
| APR19 | | ---- | ---- | 395.80 | + | 7.38 | ---- | ---- | 5 | | UNCH |
| MAY19 | | ---- | ---- | 390.55 | + | 7.25 | ---- | ---- | 5 | | UNCH |
| JUN19 | | ---- | ---- | 383.43 | + | 7.13 | ---- | ---- | 5 | | UNCH |
| JUL19 | | ---- | ---- | 373.18 | + | 6.75 | ---- | ---- | 4 | | UNCH |
| AUG19 | | ---- | ---- | 360.05 | + | 6.88 | ---- | ---- | 4 | | UNCH |
| SEP19 | | ---- | ---- | 343.80 | + | 7.00 | ---- | ---- | 4 | | UNCH |
| OCT19 | | ---- | ---- | 326.30 | + | 6.75 | ---- | ---- | 4 | | UNCH |
| NOV19 | | ---- | ---- | 309.80 | + | 6.63 | ---- | ---- | 4 | | UNCH |
| DEC19 | | ---- | ---- | 296.80 | + | 6.38 | ---- | ---- | 4 | | UNCH |
| TOTAL UI FUT | | | | | | | | | 291 | | |
| UV FUT | EUROPE 3.5% FUEL OIL RDAM CAL | | | | | | | | | | |
| JUN18 | | ---- | ---- | 416.73 | + | 1.19 | ---- | ---- | 1662 | | UNCH |
| JUL18 | | ---- | ---- | 430.71 | + | 8.06 | ---- | 245 | 1240 | - | 197 |
| AUG18 | | ---- | ---- | 427.49 | + | 8.06 | ---- | 245 | 1412 | + | 100 |
| SEP18 | | ---- | ---- | 423.00 | + | 7.90 | ---- | 15 | 888 | + | 15 |
| OCT18 | | ---- | ---- | 418.46 | + | 7.56 | ---- | 15 | 712 | | UNCH |
| NOV18 | | ---- | ---- | 414.25 | + | 7.60 | ---- | 15 | 669 | + | 15 |
| DEC18 | | ---- | ---- | 410.35 | + | 7.46 | ---- | 85 | 1436 | | UNCH |
| JAN19 | | ---- | ---- | 407.84 | + | 7.43 | ---- | ---- | 344 | | UNCH |
| FEB19 | | ---- | ---- | 404.70 | + | 7.43 | ---- | ---- | 270 | | UNCH |
| MAR19 | | ---- | ---- | 401.30 | + | 7.50 | ---- | ---- | 384 | | UNCH |
| APR19 | | ---- | ---- | 397.05 | + | 7.38 | ---- | ---- | 237 | | UNCH |
| MAY19 | | ---- | ---- | 391.80 | + | 7.25 | ---- | ---- | 276 | | UNCH |
| JUN19 | | ---- | ---- | 384.68 | + | 7.13 | ---- | 60 | 321 | + | 60 |
| JUL19 | | ---- | ---- | 374.43 | + | 6.75 | ---- | ---- | 205 | | UNCH |
| AUG19 | | ---- | ---- | 361.30 | + | 6.88 | ---- | ---- | 194 | | UNCH |
| SEP19 | | ---- | ---- | 345.05 | + | 7.00 | ---- | ---- | 121 | | UNCH |
| OCT19 | | ---- | ---- | 327.55 | + | 6.75 | ---- | ---- | 333 | | UNCH |
| NOV19 | | ---- | ---- | 311.05 | + | 6.63 | ---- | ---- | 171 | | UNCH |
| DEC19 | | ---- | ---- | 298.30 | + | 6.38 | ---- | 10 | 412 | + | 10 |
| JAN20 | | ---- | ---- | 286.43 | + | 6.38 | ---- | ---- | 490 | | UNCH |
| FEB20 | | ---- | ---- | 288.68 | + | 6.13 | ---- | ---- | 210 | | UNCH |
| MAR20 | | ---- | ---- | 290.93 | + | 5.88 | ---- | ---- | 395 | | UNCH |
| APR20 | | ---- | ---- | 293.30 | + | 5.75 | ---- | ---- | 288 | | UNCH |
| MAY20 | | ---- | ---- | 295.55 | + | 5.63 | ---- | ---- | 243 | | UNCH |
| JUN20 | | ---- | ---- | 297.80 | + | 5.50 | ---- | ---- | 223 | | UNCH |
| JUL20 | | ---- | ---- | 300.05 | + | 5.50 | ---- | ---- | 75 | | UNCH |
| AUG20 | | ---- | ---- | 302.18 | + | 5.38 | ---- | ---- | 75 | | UNCH |
| SEP20 | | ---- | ---- | 304.18 | + | 5.25 | ---- | ---- | 75 | | UNCH |
| OCT20 | | ---- | ---- | 306.05 | + | 5.38 | ---- | ---- | 25 | | UNCH |
| NOV20 | | ---- | ---- | 307.80 | + | 5.38 | ---- | ---- | 25 | | UNCH |
| DEC20 | | ---- | ---- | 309.55 | + | 5.38 | ---- | ---- | 55 | | UNCH |
| TOTAL UV FUT | | | | | | | | 690 | 13466 | + | 3 |
| UJ FUT | EUROPE JET KERO NWE CAL | | | | | | | | | | |
| JUN18 | | ---- | ---- | 702.18 | + | 3.37 | ---- | ---- | 6 | | UNCH |
| JUL18 | | ---- | ---- | 711.89 | + | 23.34 | ---- | ---- | 3 | | UNCH |
| AUG18 | | ---- | ---- | 713.22 | + | 23.25 | ---- | ---- | 3 | | UNCH |
| SEP18 | | ---- | ---- | 714.60 | + | 22.96 | ---- | ---- | 3 | | UNCH |
| OCT18 | | ---- | ---- | 715.52 | + | 22.79 | ---- | ---- | 3 | | UNCH |
| NOV18 | | ---- | ---- | 713.98 | + | 22.54 | ---- | ---- | 3 | | UNCH |
| DEC18 | | ---- | ---- | 713.83 | + | 22.30 | ---- | ---- | 3 | | UNCH |
| TOTAL UJ FUT | | | | | | | | | 24 | | |
| UN FUT | EUROPE NAPHTHA CAL | | | | | | | | | | |
| JUN18 | | ---- | ---- | 631.66 | + | 1.58 | ---- | ---- | 587 | | UNCH |
| JUL18 | | ---- | ---- | 643.98 | + | 10.74 | ---- | 68 | 456 | + | 35 |
| AUG18 | | ---- | ---- | 642.23 | + | 10.69 | ---- | 47 | 426 | + | 30 |
| SEP18 | | ---- | ---- | 640.03 | + | 10.22 | ---- | 8 | 233 | | UNCH |

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|---|---|---|---|---|---|---|---|---|---|---|
| UN FUT | EUROPE NAPHTHA CAL | | | | | | | | | |
| OCT18 | | ---- | ---- | 637.61 | + | 9.89 | ---- | 2 | 227 | + 2 |
| NOV18 | | ---- | ---- | 634.83 | + | 9.71 | ---- | 2 | 247 | UNCH |
| DEC18 | | ---- | ---- | 632.06 | + | 9.68 | ---- | 7 | 166 | UNCH |
| JAN19 | | ---- | ---- | 629.23 | + | 9.47 | ---- | 8 | 90 | + 5 |
| FEB19 | | ---- | ---- | 624.56 | + | 9.30 | ---- | 3 | 81 | + 3 |
| MAR19 | | ---- | ---- | 619.12 | + | 8.90 | ---- | 3 | 80 | UNCH |
| APR19 | | ---- | ---- | 613.61 | + | 8.50 | ---- | 3 | 140 | + 3 |
| MAY19 | | ---- | ---- | 608.54 | + | 7.93 | ---- | 3 | 56 | UNCH |
| JUN19 | | ---- | ---- | 603.99 | + | 7.46 | ---- | 8 | 61 | UNCH |
| JUL19 | | ---- | ---- | 599.73 | + | 6.99 | ---- | 3 | 37 | UNCH |
| AUG19 | | ---- | ---- | 595.70 | + | 6.45 | ---- | 3 | 35 | UNCH |
| SEP19 | | ---- | ---- | 591.90 | + | 5.96 | ---- | 3 | 37 | UNCH |
| OCT19 | | ---- | ---- | 588.37 | + | 5.74 | ---- | 3 | 19 | UNCH |
| NOV19 | | ---- | ---- | 584.73 | + | 4.99 | ---- | 3 | 17 | + 3 |
| DEC19 | | ---- | ---- | 580.99 | + | 4.78 | ---- | 8 | 17 | + 1 |
| JAN20 | | ---- | ---- | 577.85 | + | 5.09 | ---- | ---- | 1 | UNCH |
| FEB20 | | ---- | ---- | 574.26 | + | 5.01 | ---- | ---- | 1 | UNCH |
| MAR20 | | ---- | ---- | 570.35 | + | 4.94 | ---- | ---- | 1 | UNCH |
| APR20 | | ---- | ---- | 565.84 | + | 4.78 | ---- | ---- | 1 | UNCH |
| MAY20 | | ---- | ---- | 561.51 | + | 4.19 | ---- | ---- | 1 | UNCH |
| JUN20 | | ---- | ---- | 557.76 | + | 3.78 | ---- | ---- | 1 | UNCH |
| JUL20 | | ---- | ---- | 554.77 | + | 3.53 | ---- | ---- | 1 | UNCH |
| AUG20 | | ---- | ---- | 552.06 | + | 3.35 | ---- | ---- | 1 | UNCH |
| SEP20 | | ---- | ---- | 550.18 | + | 3.55 | ---- | ---- | 1 | UNCH |
| OCT20 | | ---- | ---- | 548.18 | + | 3.21 | ---- | ---- | 1 | UNCH |
| NOV20 | | ---- | ---- | 545.60 | + | 2.63 | ---- | ---- | 1 | UNCH |
| DEC20 | | ---- | ---- | 542.93 | + | 2.20 | ---- | ---- | 1 | UNCH |
| TOTAL UN FUT | | | | | | | | 185 | 3024 | + 82 |
| KZ FUT | EUROPEAN NAPHTHA BALMO | | | | | | | | | |
| 05JUN18 | | ---- | ---- | 630.404 | + | 1.741 | ---- | ---- | 80 | UNCH |
| 06JUN18 | | ---- | ---- | 630.440 | + | 1.837 | ---- | ---- | 35 | UNCH |
| 07JUN18 | | ---- | ---- | 630.627 | + | 1.945 | ---- | ---- | 10 | UNCH |
| 12JUN18 | | ---- | ---- | 628.976 | + | 2.362 | ---- | ---- | 47 | UNCH |
| 13JUN18 | | ---- | ---- | 627.782 | + | 2.543 | ---- | ---- | 34 | UNCH |
| 15JUN18 | | ---- | ---- | 625.788 | + | 3.006 | ---- | ---- | 18 | UNCH |
| 19JUN18 | | ---- | ---- | 627.769 | + | 3.674 | ---- | ---- | 5 | UNCH |
| 20JUN18 | | ---- | ---- | 628.740 | + | 4.134 | ---- | ---- | 20 | UNCH |
| TOTAL KZ FUT | | | | | | | | | 249 | |
| EN FUT | EUROPEAN NAPTHA CRACK SPREAD | | | | | | | | | |
| JUN18 | | ---- | ---- | -4.86 | - | 0.01 | ---- | ---- | 2288 | UNCH |
| JUL18 | | ---- | ---- | -5.09 | - | 0.11 | ---- | 36 | 2758 | + 9 |
| AUG18 | | ---- | ---- | -5.00 | - | 0.14 | ---- | 105 | 917 | - 80 |
| SEP18 | | ---- | ---- | -4.97 | - | 0.19 | ---- | ---- | 890 | UNCH |
| OCT18 | | ---- | ---- | -4.91 | - | 0.24 | ---- | 83 | 1606 | + 52 |
| NOV18 | | ---- | ---- | -4.86 | - | 0.24 | ---- | 83 | 1517 | + 52 |
| DEC18 | | ---- | ---- | -4.76 | - | 0.19 | ---- | 83 | 1556 | + 52 |
| JAN19 | | ---- | ---- | -4.70 | - | 0.15 | ---- | ---- | 712 | UNCH |
| FEB19 | | ---- | ---- | -4.85 | - | 0.12 | ---- | ---- | 686 | UNCH |
| MAR19 | | ---- | ---- | -5.07 | - | 0.11 | ---- | ---- | 686 | UNCH |
| APR19 | | ---- | ---- | -5.31 | - | 0.09 | ---- | ---- | 202 | UNCH |
| MAY19 | | ---- | ---- | -5.53 | - | 0.10 | ---- | ---- | 202 | UNCH |
| JUN19 | | ---- | ---- | -5.71 | - | 0.10 | ---- | ---- | 202 | UNCH |
| JUL19 | | ---- | ---- | -5.82 | - | 0.10 | ---- | ---- | 128 | UNCH |
| AUG19 | | ---- | ---- | -5.92 | - | 0.11 | ---- | ---- | 128 | UNCH |
| SEP19 | | ---- | ---- | -6.01 | - | 0.12 | ---- | ---- | 128 | UNCH |
| OCT19 | | ---- | ---- | -6.01 | - | 0.10 | ---- | ---- | 203 | UNCH |
| NOV19 | | ---- | ---- | -6.07 | - | 0.15 | ---- | ---- | 203 | UNCH |
| DEC19 | | ---- | ---- | -6.16 | - | 0.13 | ---- | ---- | 203 | UNCH |
| JAN20 | | ---- | ---- | -6.21 | - | 0.07 | ---- | ---- | 15 | UNCH |
| FEB20 | | ---- | ---- | -6.30 | - | 0.03 | ---- | ---- | 15 | UNCH |
| MAR20 | | ---- | ---- | -6.47 | - | 0.01 | ---- | ---- | 15 | UNCH |
| APR20 | | ---- | ---- | -6.69 | + | 0.01 | ---- | ---- | 15 | UNCH |
| MAY20 | | ---- | ---- | -6.88 | - | 0.03 | ---- | ---- | 15 | UNCH |
| JUN20 | | ---- | ---- | -7.01 | - | 0.05 | ---- | ---- | 15 | UNCH |
| JUL20 | | ---- | ---- | -7.05 | - | 0.06 | ---- | ---- | 15 | UNCH |
| AUG20 | | ---- | ---- | -7.05 | - | 0.05 | ---- | ---- | 15 | UNCH |
| SEP20 | | ---- | ---- | -7.00 | - | 0.00 | ---- | ---- | 15 | UNCH |
| OCT20 | | ---- | ---- | -6.93 | - | 0.02 | ---- | ---- | 15 | UNCH |
| NOV20 | | ---- | ---- | -6.96 | - | 0.06 | ---- | ---- | 15 | UNCH |
| DEC20 | | ---- | ---- | -6.99 | - | 0.10 | ---- | ---- | 15 | UNCH |
| TOTAL EN FUT | | | | | | | | 390 | 15395 | + 85 |
| FS FUT | FUEL OIL CARGOES VS.BARGES | | | | | | | | | |
| JUN18 | | ---- | ---- | 8.16 | - | 0.12 | ---- | ---- | 111 | UNCH |
| JUL18 | | ---- | ---- | 5.25 | - | 1.35 | ---- | ---- | 56 | UNCH |

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# ENERGY FUTURES PRODUCTS



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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| FS FUT | FUEL OIL CARGOES VS.BARGES | | | | | | | | |
| AUG18 | ---- | ---- | 5.85 | - | 0.95 | ---- | ---- | 52 | UNCH |
| SEP18 | ---- | ---- | 6.31 | - | 0.69 | ---- | ---- | 52 | UNCH |
| OCT18 | ---- | ---- | 6.92 | - | 0.46 | ---- | ---- | 40 | UNCH |
| NOV18 | ---- | ---- | 7.38 | - | 0.23 | ---- | ---- | 40 | UNCH |
| DEC18 | ---- | ---- | 7.83 | - | 0.10 | ---- | ---- | 40 | UNCH |
| JAN19 | ---- | ---- | 9.00 | + | 0.13 | ---- | ---- | 29 | UNCH |
| FEB19 | ---- | ---- | 9.83 | + | 0.08 | ---- | ---- | 26 | UNCH |
| MAR19 | ---- | ---- | 11.00 | | UNCH | ---- | ---- | 26 | UNCH |
| APR19 | ---- | ---- | 11.83 | | UNCH | ---- | ---- | 17 | UNCH |
| MAY19 | ---- | ---- | 13.00 | | UNCH | ---- | ---- | 17 | UNCH |
| JUN19 | ---- | ---- | 17.42 | | UNCH | ---- | ---- | 17 | UNCH |
| JUL19 | ---- | ---- | 31.25 | | UNCH | ---- | ---- | 7 | UNCH |
| AUG19 | ---- | ---- | 44.00 | | UNCH | ---- | ---- | 7 | UNCH |
| SEP19 | ---- | ---- | 59.25 | | UNCH | ---- | ---- | 7 | UNCH |
| OCT19 | ---- | ---- | 78.75 | | UNCH | ---- | ---- | 10 | UNCH |
| NOV19 | ---- | ---- | 96.88 | | UNCH | ---- | ---- | 10 | UNCH |
| DEC19 | ---- | ---- | 106.38 | | UNCH | ---- | ---- | 10 | UNCH |
| JAN20 | ---- | ---- | 109.63 | | UNCH | ---- | ---- | 8 | UNCH |
| FEB20 | ---- | ---- | 110.38 | | UNCH | ---- | ---- | 8 | UNCH |
| MAR20 | ---- | ---- | 111.00 | | UNCH | ---- | ---- | 8 | UNCH |
| APR20 | ---- | ---- | 111.75 | | UNCH | ---- | ---- | 8 | UNCH |
| MAY20 | ---- | ---- | 111.75 | | UNCH | ---- | ---- | 8 | UNCH |
| JUN20 | ---- | ---- | 111.75 | | UNCH | ---- | ---- | 8 | UNCH |
| JUL20 | ---- | ---- | 110.75 | | UNCH | ---- | ---- | 8 | UNCH |
| AUG20 | ---- | ---- | 110.46 | - | 0.63 | ---- | ---- | 8 | UNCH |
| SEP20 | ---- | ---- | 110.10 | - | 0.29 | ---- | ---- | 8 | UNCH |
| OCT20 | ---- | ---- | 109.86 | - | 0.21 | ---- | ---- | 8 | UNCH |
| NOV20 | ---- | ---- | 109.75 | | UNCH | ---- | ---- | 8 | UNCH |
| DEC20 | ---- | ---- | 104.34 | - | 0.01 | ---- | ---- | 8 | UNCH |
| JAN21 | ---- | ---- | 99.80 | - | 0.00 | ---- | ---- | 5 | UNCH |
| FEB21 | ---- | ---- | 95.25 | | UNCH | ---- | ---- | 5 | UNCH |
| MAR21 | ---- | ---- | 95.25 | | UNCH | ---- | ---- | 5 | UNCH |
| APR21 | ---- | ---- | 95.25 | | UNCH | ---- | ---- | 5 | UNCH |
| MAY21 | ---- | ---- | 95.25 | | UNCH | ---- | ---- | 5 | UNCH |
| JUN21 | ---- | ---- | 95.25 | | UNCH | ---- | ---- | 5 | UNCH |
| JUL21 | ---- | ---- | 95.25 | | UNCH | ---- | ---- | 5 | UNCH |
| AUG21 | ---- | ---- | 95.25 | | UNCH | ---- | ---- | 5 | UNCH |
| SEP21 | ---- | ---- | 93.50 | | UNCH | ---- | ---- | 5 | UNCH |
| OCT21 | ---- | ---- | 91.75 | | UNCH | ---- | ---- | 5 | UNCH |
| NOV21 | ---- | ---- | 90.00 | | UNCH | ---- | ---- | 5 | UNCH |
| DEC21 | ---- | ---- | 88.25 | | UNCH | ---- | ---- | 5 | UNCH |
| TOTAL FS FUT | | | | | | | | 730 | |
| FO FUT | FUEL OIL CRACK VS ICE | | | | | | | | |
| JUN18 | ---- | ---- | -10.21 | | UNCH | ---- | ---- | 1673 | UNCH |
| JUL18 | ---- | ---- | -9.62 | - | 0.05 | ---- | ---- | 1134 | UNCH |
| AUG18 | ---- | ---- | -9.84 | - | 0.07 | ---- | ---- | 1025 | UNCH |
| SEP18 | ---- | ---- | -10.27 | - | 0.10 | ---- | ---- | 883 | UNCH |
| OCT18 | ---- | ---- | -10.66 | - | 0.16 | ---- | 12 | 1190 | + 12 |
| NOV18 | ---- | ---- | -10.96 | - | 0.13 | ---- | 12 | 1190 | + 12 |
| DEC18 | ---- | ---- | -11.16 | - | 0.10 | ---- | 12 | 1208 | + 12 |
| JAN19 | ---- | ---- | -11.18 | - | 0.05 | ---- | ---- | 198 | UNCH |
| FEB19 | ---- | ---- | -11.29 | + | 0.00 | ---- | ---- | 198 | UNCH |
| MAR19 | ---- | ---- | -11.44 | + | 0.07 | ---- | ---- | 198 | UNCH |
| APR19 | ---- | ---- | -11.73 | + | 0.12 | ---- | ---- | 522 | UNCH |
| MAY19 | ---- | ---- | -12.21 | + | 0.15 | ---- | ---- | 522 | UNCH |
| JUN19 | ---- | ---- | -12.99 | + | 0.18 | ---- | ---- | 522 | UNCH |
| JUL19 | ---- | ---- | -14.24 | + | 0.18 | ---- | ---- | 140 | UNCH |
| AUG19 | ---- | ---- | -15.96 | + | 0.25 | ---- | ---- | 140 | UNCH |
| SEP19 | ---- | ---- | -18.17 | + | 0.32 | ---- | ---- | 140 | UNCH |
| OCT19 | ---- | ---- | -20.53 | + | 0.32 | ---- | ---- | 152 | UNCH |
| NOV19 | ---- | ---- | -22.78 | + | 0.34 | ---- | ---- | 152 | UNCH |
| DEC19 | ---- | ---- | -24.46 | + | 0.34 | ---- | ---- | 152 | UNCH |
| JAN20 | ---- | ---- | -26.03 | + | 0.37 | ---- | ---- | 93 | UNCH |
| FEB20 | ---- | ---- | -25.37 | + | 0.38 | ---- | ---- | 93 | UNCH |
| MAR20 | ---- | ---- | -24.74 | + | 0.36 | ---- | ---- | 93 | UNCH |
| APR20 | ---- | ---- | -24.08 | + | 0.38 | ---- | ---- | 93 | UNCH |
| MAY20 | ---- | ---- | -23.42 | + | 0.39 | ---- | ---- | 93 | UNCH |
| JUN20 | ---- | ---- | -22.78 | + | 0.39 | ---- | ---- | 93 | UNCH |
| JUL20 | ---- | ---- | -22.14 | + | 0.41 | ---- | ---- | 93 | UNCH |
| AUG20 | ---- | ---- | -21.50 | + | 0.42 | ---- | ---- | 93 | UNCH |
| SEP20 | ---- | ---- | -20.92 | + | 0.43 | ---- | ---- | 93 | UNCH |
| OCT20 | ---- | ---- | -20.33 | + | 0.47 | ---- | ---- | 93 | UNCH |
| NOV20 | ---- | ---- | -19.79 | + | 0.49 | ---- | ---- | 93 | UNCH |
| DEC20 | ---- | ---- | -19.25 | + | 0.50 | ---- | ---- | 93 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|---|
| FO FUT | FUEL OIL CRACK VS ICE | | | | | | | | | |
| JAN21 | | ---- | ---- | -18.87 | + | 0.52 | ---- | ---- | 20 | UNCH |
| FEB21 | | ---- | ---- | -18.52 | + | 0.55 | ---- | ---- | 20 | UNCH |
| MAR21 | | ---- | ---- | -18.25 | + | 0.57 | ---- | ---- | 20 | UNCH |
| APR21 | | ---- | ---- | -17.97 | + | 0.59 | ---- | ---- | 20 | UNCH |
| MAY21 | | ---- | ---- | -17.69 | + | 0.61 | ---- | ---- | 20 | UNCH |
| JUN21 | | ---- | ---- | -17.41 | + | 0.64 | ---- | ---- | 20 | UNCH |
| JUL21 | | ---- | ---- | -17.15 | + | 0.65 | ---- | ---- | 20 | UNCH |
| AUG21 | | ---- | ---- | -16.88 | + | 0.66 | ---- | ---- | 20 | UNCH |
| SEP21 | | ---- | ---- | -16.61 | + | 0.69 | ---- | ---- | 20 | UNCH |
| OCT21 | | ---- | ---- | -16.34 | + | 0.72 | ---- | ---- | 20 | UNCH |
| NOV21 | | ---- | ---- | -16.10 | + | 0.74 | ---- | ---- | 20 | UNCH |
| DEC21 | | ---- | ---- | -15.85 | + | 0.77 | ---- | ---- | 20 | UNCH |
| TOTAL FO FUT | | | | | | | | 36 | 12695 | + 36 |
| FI FUT | FUEL OIL NWE CRACK VS ICE | | | | | | | | | |
| APR19 | | ---- | ---- | -9.86 | + | 0.11 | ---- | ---- | 5 | UNCH |
| MAY19 | | ---- | ---- | -10.16 | + | 0.15 | ---- | ---- | 5 | UNCH |
| JUN19 | | ---- | ---- | -10.25 | + | 0.18 | ---- | ---- | 5 | UNCH |
| JAN20 | | ---- | ---- | -8.77 | + | 0.37 | ---- | ---- | 13 | UNCH |
| FEB20 | | ---- | ---- | -7.98 | + | 0.38 | ---- | ---- | 13 | UNCH |
| MAR20 | | ---- | ---- | -7.26 | + | 0.36 | ---- | ---- | 13 | UNCH |
| APR20 | | ---- | ---- | -6.48 | + | 0.38 | ---- | ---- | 13 | UNCH |
| MAY20 | | ---- | ---- | -5.82 | + | 0.39 | ---- | ---- | 13 | UNCH |
| JUN20 | | ---- | ---- | -5.18 | + | 0.39 | ---- | ---- | 13 | UNCH |
| JUL20 | | ---- | ---- | -4.69 | + | 0.41 | ---- | ---- | 13 | UNCH |
| AUG20 | | ---- | ---- | -4.10 | + | 0.32 | ---- | ---- | 13 | UNCH |
| SEP20 | | ---- | ---- | -3.58 | + | 0.38 | ---- | ---- | 13 | UNCH |
| OCT20 | | ---- | ---- | -3.03 | + | 0.44 | ---- | ---- | 13 | UNCH |
| NOV20 | | ---- | ---- | -2.50 | + | 0.49 | ---- | ---- | 13 | UNCH |
| DEC20 | | ---- | ---- | -2.82 | + | 0.50 | ---- | ---- | 13 | UNCH |
| TOTAL FI FUT | | | | | | | | | 171 | |
| GCI FUT | G. COAST #6 FUEL OIL 3.0% VS BRENT | | | | | | | | | |
| JUN18 | | ---- | ---- | -11.458 | + | 0.038 | ---- | ---- | 564 | UNCH |
| JUL18 | | ---- | ---- | -10.080 | + | 0.096 | ---- | ---- | 781 | UNCH |
| AUG18 | | ---- | ---- | -10.941 | - | 0.123 | ---- | ---- | 251 | UNCH |
| SEP18 | | ---- | ---- | -11.317 | - | 0.124 | ---- | ---- | 517 | UNCH |
| OCT18 | | ---- | ---- | -11.571 | - | 0.166 | ---- | ---- | 127 | UNCH |
| NOV18 | | ---- | ---- | -11.725 | - | 0.143 | ---- | ---- | 127 | UNCH |
| DEC18 | | ---- | ---- | -11.813 | - | 0.090 | ---- | ---- | 307 | UNCH |
| TOTAL GCI FUT | | | | | | | | | 2674 | |
| 7R FUT | GAS EUROBOB (ARGUS) BALMO | | | | | | | | | |
| 04JUN18 | | ---- | ---- | 705.297 | + | 2.289 | ---- | ---- | 26 | UNCH |
| 05JUN18 | | ---- | ---- | 704.313 | + | 2.410 | ---- | ---- | 100 | UNCH |
| 06JUN18 | | ---- | ---- | 703.636 | + | 2.543 | ---- | ---- | 5 | UNCH |
| 08JUN18 | | ---- | ---- | 702.856 | + | 2.861 | ---- | ---- | 5 | UNCH |
| 11JUN18 | | ---- | ---- | 701.896 | + | 3.052 | ---- | ---- | 5 | UNCH |
| 12JUN18 | | ---- | ---- | 701.067 | + | 3.269 | ---- | ---- | 5 | UNCH |
| 13JUN18 | | ---- | ---- | 700.015 | + | 3.522 | ---- | ---- | 7 | UNCH |
| TOTAL 7R FUT | | | | | | | | | 153 | |
| 7K FUT | GAS EURO-BOB OXY (ARG) CRACK | | | | | | | | | |
| JUN18 | | ---- | ---- | 8.985 | + | 0.075 | ---- | ---- | 3952 | UNCH |
| JUL18 | | ---- | ---- | 8.414 | + | 0.805 | ---- | 133 | 4405 | + 75 |
| AUG18 | | ---- | ---- | 8.221 | + | 0.658 | ---- | 50 | 2502 | + 22 |
| SEP18 | | ---- | ---- | 7.954 | + | 0.558 | ---- | 200 | 2336 | - 100 |
| OCT18 | | ---- | ---- | 5.087 | + | 0.477 | ---- | 50 | 2320 | UNCH |
| NOV18 | | ---- | ---- | 4.567 | + | 0.498 | ---- | ---- | 2342 | UNCH |
| DEC18 | | ---- | ---- | 4.518 | + | 0.501 | ---- | 42 | 2382 | UNCH |
| JAN19 | | ---- | ---- | 4.916 | + | 0.526 | ---- | 42 | 1176 | UNCH |
| FEB19 | | ---- | ---- | 5.455 | + | 0.588 | ---- | 42 | 1218 | UNCH |
| MAR19 | | ---- | ---- | 6.010 | + | 0.616 | ---- | 42 | 1176 | UNCH |
| APR19 | | ---- | ---- | 10.446 | + | 0.536 | ---- | 42 | 959 | + 32 |
| MAY19 | | ---- | ---- | 10.791 | + | 0.547 | ---- | 42 | 959 | + 32 |
| JUN19 | | ---- | ---- | 10.780 | + | 0.576 | ---- | 42 | 959 | + 32 |
| JUL19 | | ---- | ---- | 10.478 | + | 0.576 | ---- | ---- | 742 | UNCH |
| AUG19 | | ---- | ---- | 9.967 | + | 0.549 | ---- | ---- | 742 | UNCH |
| SEP19 | | ---- | ---- | 9.411 | + | 0.452 | ---- | ---- | 742 | UNCH |
| OCT19 | | ---- | ---- | 6.452 | + | 0.227 | ---- | ---- | 654 | UNCH |
| NOV19 | | ---- | ---- | 5.645 | - | 0.026 | ---- | ---- | 654 | UNCH |
| DEC19 | | ---- | ---- | 5.414 | - | 0.032 | ---- | ---- | 654 | UNCH |
| JAN20 | | ---- | ---- | 6.231 | + | 0.157 | ---- | ---- | 357 | UNCH |
| FEB20 | | ---- | ---- | 6.885 | + | 0.238 | ---- | ---- | 357 | UNCH |
| MAR20 | | ---- | ---- | 7.749 | + | 0.255 | ---- | ---- | 357 | UNCH |
| APR20 | | ---- | ---- | 12.123 | + | 0.163 | ---- | ---- | 357 | UNCH |
| MAY20 | | ---- | ---- | 12.534 | + | 0.158 | ---- | ---- | 357 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|
| 7K FUT | GAS EURO-BOB OXY (ARG) CRACK | | | | | | | | |
| JUN20 | ---- | ---- | 12.575 | + | 0.186 | ---- | ---- | 357 | UNCH |
| JUL20 | ---- | ---- | 12.057 | + | 0.191 | ---- | ---- | 357 | UNCH |
| AUG20 | ---- | ---- | 11.459 | + | 0.192 | ---- | ---- | 357 | UNCH |
| SEP20 | ---- | ---- | 10.992 | + | 0.089 | ---- | ---- | 357 | UNCH |
| OCT20 | ---- | ---- | 7.615 | - | 0.123 | ---- | ---- | 357 | UNCH |
| NOV20 | ---- | ---- | 5.918 | - | 0.273 | ---- | ---- | 357 | UNCH |
| DEC20 | ---- | ---- | 5.766 | - | 0.308 | ---- | ---- | 357 | UNCH |
| TOTAL 7K FUT | | | | | | | 727 | 35158 | + 93 |
| 7H FUT | GAS EURO-BOB OXY (ARG) NEW BRG | | | | | | | | |
| JUN18 | ---- | ---- | 706.557 | + | 2.180 | ---- | ---- | 1592 | UNCH |
| JUL18 | ---- | ---- | 715.219 | + | 17.703 | ---- | 143 | 1031 | + 18 |
| AUG18 | ---- | ---- | 711.206 | + | 16.642 | ---- | 65 | 750 | + 11 |
| SEP18 | ---- | ---- | 706.703 | + | 15.821 | ---- | 48 | 541 | + 3 |
| OCT18 | ---- | ---- | 680.072 | + | 15.209 | ---- | 35 | 471 | - 1 |
| NOV18 | ---- | ---- | 672.726 | + | 15.206 | ---- | 15 | 258 | + 10 |
| DEC18 | ---- | ---- | 668.883 | + | 14.788 | ---- | 10 | 532 | + 10 |
| JAN19 | ---- | ---- | 669.061 | + | 14.531 | ---- | ---- | 220 | UNCH |
| FEB19 | ---- | ---- | 670.365 | + | 14.623 | ---- | ---- | 314 | UNCH |
| MAR19 | ---- | ---- | 671.745 | + | 14.347 | ---- | ---- | 211 | UNCH |
| APR19 | ---- | ---- | 705.544 | + | 13.185 | ---- | 7 | 212 | + 7 |
| MAY19 | ---- | ---- | 705.527 | + | 12.787 | ---- | 7 | 112 | + 7 |
| JUN19 | ---- | ---- | 702.653 | + | 12.609 | ---- | 7 | 191 | UNCH |
| JUL19 | ---- | ---- | 697.076 | + | 12.194 | ---- | ---- | 87 | UNCH |
| AUG19 | ---- | ---- | 689.909 | + | 11.555 | ---- | ---- | 54 | UNCH |
| SEP19 | ---- | ---- | 682.408 | + | 10.327 | ---- | ---- | 64 | UNCH |
| OCT19 | ---- | ---- | 654.462 | + | 8.118 | ---- | ---- | 22 | UNCH |
| NOV19 | ---- | ---- | 644.822 | + | 5.679 | ---- | ---- | 15 | UNCH |
| DEC19 | ---- | ---- | 640.197 | + | 5.304 | ---- | ---- | 85 | UNCH |
| TOTAL 7H FUT | | | | | | | 337 | 6762 | + 65 |
| GOC FUT | GASOIL (ICE) CRACK SPREAD | | | | | | | | |
| JUN18 | ---- | ---- | 12.389 | + | 0.240 | ---- | ---- | 15 | UNCH |
| JAN19 | ---- | ---- | 14.325 | + | 1.576 | ---- | ---- | 1 | UNCH |
| FEB19 | ---- | ---- | 14.679 | + | 1.597 | ---- | ---- | 1 | UNCH |
| MAR19 | ---- | ---- | 14.876 | + | 1.622 | ---- | ---- | 1 | UNCH |
| APR19 | ---- | ---- | 15.114 | + | 1.629 | ---- | ---- | 1 | UNCH |
| MAY19 | ---- | ---- | 15.400 | + | 1.640 | ---- | ---- | 1 | UNCH |
| JUN19 | ---- | ---- | 15.723 | + | 1.657 | ---- | ---- | 1 | UNCH |
| JUL19 | ---- | ---- | 16.178 | + | 1.674 | ---- | ---- | 1 | UNCH |
| AUG19 | ---- | ---- | 16.758 | + | 1.690 | ---- | ---- | 1 | UNCH |
| SEP19 | ---- | ---- | 17.395 | + | 1.708 | ---- | ---- | 1 | UNCH |
| OCT19 | ---- | ---- | 17.942 | + | 1.712 | ---- | ---- | 1 | UNCH |
| NOV19 | ---- | ---- | 18.369 | + | 1.719 | ---- | ---- | 1 | UNCH |
| DEC19 | ---- | ---- | 18.915 | + | 1.707 | ---- | ---- | 1 | UNCH |
| JAN20 | ---- | ---- | 19.261 | + | 1.687 | ---- | ---- | 1 | UNCH |
| FEB20 | ---- | ---- | 19.411 | + | 1.704 | ---- | ---- | 1 | UNCH |
| MAR20 | ---- | ---- | 19.355 | + | 1.672 | ---- | ---- | 1 | UNCH |
| APR20 | ---- | ---- | 19.269 | + | 1.660 | ---- | ---- | 1 | UNCH |
| MAY20 | ---- | ---- | 19.296 | + | 1.638 | ---- | ---- | 1 | UNCH |
| JUN20 | ---- | ---- | 19.356 | + | 1.614 | ---- | ---- | 1 | UNCH |
| JUL20 | ---- | ---- | 19.339 | + | 1.599 | ---- | ---- | 1 | UNCH |
| AUG20 | ---- | ---- | 19.295 | + | 1.598 | ---- | ---- | 1 | UNCH |
| SEP20 | ---- | ---- | 19.164 | + | 1.592 | ---- | ---- | 1 | UNCH |
| OCT20 | ---- | ---- | 18.958 | + | 1.578 | ---- | ---- | 1 | UNCH |
| NOV20 | ---- | ---- | 18.725 | + | 1.566 | ---- | ---- | 1 | UNCH |
| DEC20 | ---- | ---- | 18.690 | + | 1.542 | ---- | ---- | 1 | UNCH |
| TOTAL GOC FUT | | | | | | | | 39 | |
| WQ FUT | GASOIL 0.1 RDAM BRGS VS ICE | | | | | | | | |
| JUN18 | ---- | ---- | -13.540 | - | 0.124 | ---- | ---- | 22 | UNCH |
| JUL18 | ---- | ---- | -12.375 | + | 0.666 | ---- | ---- | 22 | UNCH |
| AUG18 | ---- | ---- | -13.250 | + | 0.687 | ---- | ---- | 22 | UNCH |
| SEP18 | ---- | ---- | -13.500 | + | 0.688 | ---- | ---- | 22 | UNCH |
| OCT18 | ---- | ---- | -13.500 | + | 0.792 | ---- | ---- | 12 | UNCH |
| NOV18 | ---- | ---- | -13.500 | + | 0.792 | ---- | ---- | 12 | UNCH |
| DEC18 | ---- | ---- | -13.500 | + | 0.792 | ---- | ---- | 12 | UNCH |
| TOTAL WQ FUT | | | | | | | | 124 | |
| VL FUT | GASOIL 0.1 ROTTERDAM BARGES SW | | | | | | | | |
| JUN18 | ---- | ---- | 643.734 | + | 3.055 | ---- | ---- | 105 | UNCH |
| JUL18 | ---- | ---- | 654.261 | + | 22.757 | ---- | ---- | 105 | UNCH |
| AUG18 | ---- | ---- | 654.967 | + | 22.687 | ---- | 30 | 95 | + 30 |
| SEP18 | ---- | ---- | 656.225 | + | 22.525 | ---- | ---- | 10 | UNCH |
| OCT18 | ---- | ---- | 655.772 | + | 22.379 | ---- | ---- | 30 | UNCH |
| NOV18 | ---- | ---- | 654.227 | + | 22.121 | ---- | ---- | 30 | UNCH |
| TOTAL VL FUT | | | | | | | 30 | 375 | + 30 |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| Z5 FUT | GASOIL 0.1CIF MED VS ICE GAS | | | | | | | | |
| JUN18 | ---- | ---- | 0.774 | + | 0.048 | ---- | ---- | 5 | UNCH |
| TOTAL Z5 FUT | | | | | | | | 5 | |
| TP FUT | GASOIL 10PPM VS ICE | | | | | | | | |
| JUN18 | ---- | ---- | 3.738 | - | 0.066 | ---- | ---- | 47 | UNCH |
| JUL18 | ---- | ---- | 4.084 | | UNCH | ---- | ---- | 47 | UNCH |
| AUG18 | ---- | ---- | 4.084 | | UNCH | ---- | ---- | 47 | UNCH |
| SEP18 | ---- | ---- | 4.063 | + | 0.001 | ---- | ---- | 47 | UNCH |
| OCT18 | ---- | ---- | 4.291 | | UNCH | ---- | ---- | 47 | UNCH |
| NOV18 | ---- | ---- | 4.292 | + | 0.001 | ---- | ---- | 47 | UNCH |
| DEC18 | ---- | ---- | 4.292 | + | 0.001 | ---- | ---- | 47 | UNCH |
| JAN19 | ---- | ---- | 4.125 | - | 0.125 | ---- | ---- | 1 | UNCH |
| FEB19 | ---- | ---- | 4.125 | - | 0.125 | ---- | ---- | 1 | UNCH |
| MAR19 | ---- | ---- | 4.125 | - | 0.125 | ---- | ---- | 1 | UNCH |
| TOTAL TP FUT | | | | | | | | 332 | |
| GX FUT | GASOIL CALENDAR | | | | | | | | |
| JUN18 | ---- | ---- | 657.27 | + | 3.18 | ---- | ---- | 2 | UNCH |
| JUL18 | ---- | ---- | 666.64 | + | 22.09 | ---- | ---- | 5 | UNCH |
| AUG18 | ---- | ---- | 668.22 | + | 22.00 | ---- | ---- | 5 | UNCH |
| SEP18 | ---- | ---- | 669.73 | + | 21.84 | ---- | ---- | 5 | UNCH |
| OCT18 | ---- | ---- | 669.27 | + | 21.59 | ---- | ---- | 3 | UNCH |
| NOV18 | ---- | ---- | 667.73 | + | 21.33 | ---- | ---- | 3 | UNCH |
| DEC18 | ---- | ---- | 667.58 | + | 21.09 | ---- | ---- | 3 | UNCH |
| JAN19 | ---- | ---- | 668.48 | + | 20.82 | ---- | ---- | 2 | UNCH |
| FEB19 | ---- | ---- | 668.26 | + | 20.59 | ---- | ---- | 2 | UNCH |
| MAR19 | ---- | ---- | 666.83 | + | 20.33 | ---- | ---- | 2 | UNCH |
| TOTAL GX FUT | | | | | | | | 32 | |
| GZ FUT | GASOIL CRACK SPREAD CALENDAR | | | | | | | | |
| JUN18 | ---- | ---- | 12.39 | + | 0.24 | ---- | ---- | 2308 | UNCH |
| JUL18 | ---- | ---- | 12.03 | + | 1.64 | ---- | ---- | 662 | UNCH |
| AUG18 | ---- | ---- | 12.54 | + | 1.61 | ---- | ---- | 712 | UNCH |
| SEP18 | ---- | ---- | 13.01 | + | 1.59 | ---- | ---- | 748 | UNCH |
| OCT18 | ---- | ---- | 13.28 | + | 1.55 | ---- | ---- | 1135 | UNCH |
| NOV18 | ---- | ---- | 13.44 | + | 1.54 | ---- | ---- | 1085 | UNCH |
| DEC18 | ---- | ---- | 13.83 | + | 1.56 | ---- | ---- | 1085 | UNCH |
| JAN19 | ---- | ---- | 14.33 | + | 1.58 | ---- | ---- | 500 | UNCH |
| FEB19 | ---- | ---- | 14.68 | + | 1.60 | ---- | ---- | 500 | UNCH |
| MAR19 | ---- | ---- | 14.88 | + | 1.62 | ---- | ---- | 500 | UNCH |
| APR19 | ---- | ---- | 15.11 | + | 1.63 | ---- | ---- | 575 | UNCH |
| MAY19 | ---- | ---- | 15.40 | + | 1.64 | ---- | ---- | 575 | UNCH |
| JUN19 | ---- | ---- | 15.72 | + | 1.66 | ---- | ---- | 575 | UNCH |
| JUL19 | ---- | ---- | 16.18 | + | 1.67 | ---- | ---- | 345 | UNCH |
| AUG19 | ---- | ---- | 16.76 | + | 1.69 | ---- | ---- | 345 | UNCH |
| SEP19 | ---- | ---- | 17.40 | + | 1.71 | ---- | ---- | 345 | UNCH |
| OCT19 | ---- | ---- | 17.94 | + | 1.71 | ---- | ---- | 345 | UNCH |
| NOV19 | ---- | ---- | 18.37 | + | 1.72 | ---- | ---- | 345 | UNCH |
| DEC19 | ---- | ---- | 18.92 | + | 1.71 | ---- | ---- | 345 | UNCH |
| JAN20 | ---- | ---- | 19.26 | + | 1.69 | ---- | ---- | 599 | UNCH |
| FEB20 | ---- | ---- | 19.41 | + | 1.70 | ---- | ---- | 599 | UNCH |
| MAR20 | ---- | ---- | 19.36 | + | 1.67 | ---- | ---- | 599 | UNCH |
| APR20 | ---- | ---- | 19.27 | + | 1.66 | ---- | ---- | 699 | UNCH |
| MAY20 | ---- | ---- | 19.30 | + | 1.64 | ---- | ---- | 699 | UNCH |
| JUN20 | ---- | ---- | 19.36 | + | 1.61 | ---- | ---- | 699 | UNCH |
| JUL20 | ---- | ---- | 19.34 | + | 1.60 | ---- | ---- | 589 | UNCH |
| AUG20 | ---- | ---- | 19.30 | + | 1.60 | ---- | ---- | 589 | UNCH |
| SEP20 | ---- | ---- | 19.16 | + | 1.59 | ---- | ---- | 589 | UNCH |
| OCT20 | ---- | ---- | 18.96 | + | 1.58 | ---- | ---- | 599 | UNCH |
| NOV20 | ---- | ---- | 18.73 | + | 1.57 | ---- | ---- | 599 | UNCH |
| DEC20 | ---- | ---- | 18.69 | + | 1.54 | ---- | ---- | 599 | UNCH |
| TOTAL GZ FUT | | | | | | | | 20488 | |
| QA FUT | GASOIL MINI CALENDAR | | | | | | | | |
| JUN18 | ---- | ---- | 657.274 | + | 3.179 | ---- | ---- | 209 | UNCH |
| JUL18 | ---- | ---- | 666.636 | + | 22.091 | ---- | ---- | 67 | UNCH |
| AUG18 | ---- | ---- | 668.217 | + | 22.000 | ---- | ---- | 67 | UNCH |
| SEP18 | ---- | ---- | 669.725 | + | 21.837 | ---- | ---- | 107 | UNCH |
| OCT18 | ---- | ---- | 669.272 | + | 21.587 | ---- | ---- | 20 | UNCH |
| NOV18 | ---- | ---- | 667.727 | + | 21.329 | ---- | ---- | 20 | UNCH |
| DEC18 | ---- | ---- | 667.575 | + | 21.087 | ---- | ---- | 20 | UNCH |
| JAN19 | ---- | ---- | 668.477 | + | 20.818 | ---- | ---- | 14 | UNCH |
| FEB19 | ---- | ---- | 668.263 | + | 20.588 | ---- | ---- | 5 | UNCH |
| MAR19 | ---- | ---- | 666.833 | + | 20.333 | ---- | ---- | 6 | UNCH |
| APR19 | ---- | ---- | 665.786 | + | 19.941 | ---- | ---- | 2 | UNCH |
| MAY19 | ---- | ---- | 665.326 | + | 19.576 | ---- | ---- | 2 | UNCH |
| JUN19 | ---- | ---- | 665.250 | + | 19.337 | ---- | ---- | 2 | UNCH |

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| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|
| QA FUT | GASOIL MINI CALENDAR | | | | | | | | | |
| JUL19 | | ---- | ---- | 665.902 | + | 19.087 | ---- | ---- | 2 | UNCH |
| AUG19 | | ---- | ---- | 667.614 | + | 18.830 | ---- | ---- | 2 | UNCH |
| SEP19 | | ---- | ---- | 669.798 | + | 18.596 | ---- | ---- | 2 | UNCH |
| OCT19 | | ---- | ---- | 670.924 | + | 18.326 | ---- | ---- | 1 | UNCH |
| NOV19 | | ---- | ---- | 671.500 | + | 18.083 | ---- | ---- | 1 | UNCH |
| DEC19 | | ---- | ---- | 673.143 | + | 17.691 | ---- | ---- | 1 | UNCH |
| JAN20 | | ---- | ---- | 673.455 | + | 17.319 | ---- | ---- | 5 | UNCH |
| TOTAL QA FUT | | | | | | | | | 555 | |
| A7 FUT | GROUP THREE ULSD (PLATTS) | | | | | | | | | |
| JUN18 | | ---- | ---- | 2.1485 | + | 0.0070 | ---- | ---- | 23 | UNCH |
| JUL18 | | ---- | ---- | 2.1871 | + | 0.0496 | ---- | ---- | 28 | UNCH |
| AUG18 | | ---- | ---- | 2.1926 | + | 0.0482 | ---- | ---- | 28 | UNCH |
| SEP18 | | ---- | ---- | 2.2004 | + | 0.0443 | ---- | ---- | 28 | UNCH |
| OCT18 | | ---- | ---- | 2.2083 | + | 0.0435 | ---- | ---- | 28 | UNCH |
| NOV18 | | ---- | ---- | 2.1931 | + | 0.0425 | ---- | ---- | 14 | UNCH |
| DEC18 | | ---- | ---- | 2.1407 | + | 0.0412 | ---- | ---- | 2 | UNCH |
| JAN19 | | ---- | ---- | 2.1393 | + | 0.0395 | ---- | ---- | 2 | UNCH |
| FEB19 | | ---- | ---- | 2.1570 | + | 0.0379 | ---- | ---- | 2 | UNCH |
| TOTAL A7 FUT | | | | | | | | | 155 | |
| A9 FUT | GROUP THREE UNLEAD GAS (PLTS) | | | | | | | | | |
| JUN18 | | ---- | ---- | 1.9922 | + | 0.0072 | ---- | ---- | 50 | UNCH |
| JUL18 | | ---- | ---- | 2.0228 | + | 0.0536 | ---- | ---- | 50 | UNCH |
| AUG18 | | ---- | ---- | 2.0277 | + | 0.0506 | ---- | ---- | 50 | UNCH |
| SEP18 | | ---- | ---- | 2.0103 | + | 0.0466 | ---- | ---- | 50 | UNCH |
| OCT18 | | ---- | ---- | 1.9607 | + | 0.0437 | ---- | ---- | 50 | UNCH |
| NOV18 | | ---- | ---- | 1.8939 | + | 0.0410 | ---- | ---- | 50 | UNCH |
| DEC18 | | ---- | ---- | 1.8564 | + | 0.0389 | ---- | ---- | 50 | UNCH |
| JAN19 | | ---- | ---- | 1.8661 | + | 0.0377 | ---- | ---- | 25 | UNCH |
| FEB19 | | ---- | ---- | 1.8975 | + | 0.0372 | ---- | ---- | 25 | UNCH |
| MAR19 | | ---- | ---- | 1.9446 | + | 0.0365 | ---- | ---- | 25 | UNCH |
| TOTAL A9 FUT | | | | | | | | | 425 | |
| A6 FUT | GRP THREE ULSD(PLT)VS HEAT OIL | | | | | | | | | |
| JUN18 | | ---- | ---- | 0.0051 | + | 0.0001 | ---- | ---- | 1639 | UNCH |
| JUL18 | | ---- | ---- | 0.0075 | + | 0.0025 | ---- | ---- | 1570 | UNCH |
| AUG18 | | ---- | ---- | 0.0075 | + | 0.0025 | ---- | 75 | 1724 | + 75 |
| SEP18 | | ---- | ---- | 0.0100 | | UNCH | ---- | ---- | 1645 | UNCH |
| OCT18 | | ---- | ---- | 0.0125 | | UNCH | ---- | ---- | 1214 | UNCH |
| NOV18 | | ---- | ---- | -0.0075 | | UNCH | ---- | ---- | 864 | UNCH |
| DEC18 | | ---- | ---- | -0.0650 | | UNCH | ---- | ---- | 1049 | UNCH |
| JAN19 | | ---- | ---- | -0.0650 | | UNCH | ---- | ---- | 60 | UNCH |
| FEB19 | | ---- | ---- | -0.0400 | | UNCH | ---- | ---- | 60 | UNCH |
| MAR19 | | ---- | ---- | -0.0300 | | UNCH | ---- | ---- | 60 | UNCH |
| APR19 | | ---- | ---- | -0.0075 | | UNCH | ---- | ---- | 50 | UNCH |
| MAY19 | | ---- | ---- | -0.0075 | | UNCH | ---- | ---- | 50 | UNCH |
| JUN19 | | ---- | ---- | -0.0075 | | UNCH | ---- | ---- | 50 | UNCH |
| JUL19 | | ---- | ---- | -0.0025 | | UNCH | ---- | ---- | 50 | UNCH |
| AUG19 | | ---- | ---- | -0.0025 | | UNCH | ---- | ---- | 50 | UNCH |
| SEP19 | | ---- | ---- | -0.0025 | | UNCH | ---- | ---- | 50 | UNCH |
| OCT19 | | ---- | ---- | 0.0100 | | UNCH | ---- | ---- | 50 | UNCH |
| NOV19 | | ---- | ---- | -0.0250 | | UNCH | ---- | ---- | 50 | UNCH |
| DEC19 | | ---- | ---- | -0.0750 | | UNCH | ---- | ---- | 50 | UNCH |
| TOTAL A6 FUT | | | | | | | | 75 | 10335 | + 75 |
| A8 FUT | GRP THREE UNL GS (PLT) VS RBOB | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.0950 | - | 0.0012 | ---- | ---- | 789 | UNCH |
| JUL18 | | ---- | ---- | -0.0875 | | UNCH | ---- | ---- | 939 | UNCH |
| AUG18 | | ---- | ---- | -0.0625 | | UNCH | ---- | ---- | 1185 | UNCH |
| SEP18 | | ---- | ---- | 0.0325 | | UNCH | ---- | ---- | 380 | UNCH |
| OCT18 | | ---- | ---- | 0.0100 | | UNCH | ---- | ---- | 125 | UNCH |
| NOV18 | | ---- | ---- | -0.0400 | | UNCH | ---- | ---- | 150 | UNCH |
| DEC18 | | ---- | ---- | -0.0750 | | UNCH | ---- | ---- | 50 | UNCH |
| TOTAL A8 FUT | | | | | | | | | 3618 | |
| CRB FUT | GULF CBOB A2 PL VS RBOB SPR F | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.1523 | - | 0.0015 | ---- | ---- | 540 | UNCH |
| JUL18 | | ---- | ---- | -0.1400 | | UNCH | ---- | ---- | 3340 | UNCH |
| AUG18 | | ---- | ---- | -0.1185 | - | 0.0010 | ---- | ---- | 650 | UNCH |
| OCT18 | | ---- | ---- | -0.0475 | | UNCH | ---- | ---- | 150 | UNCH |
| NOV18 | | ---- | ---- | -0.0750 | | UNCH | ---- | ---- | 150 | UNCH |
| DEC18 | | ---- | ---- | -0.0875 | | UNCH | ---- | ---- | 150 | UNCH |
| TOTAL CRB FUT | | | | | | | | | 4980 | |
| GCU FUT | GULF CO NO6 FUELOIL 3% V. EURO 3.5% | | | | | | | | | |
| JUN18 | | ---- | ---- | -1.249 | + | 0.038 | ---- | ---- | 9516 | UNCH |
| JUL18 | | ---- | ---- | -0.461 | + | 0.148 | ---- | 476 | 6952 | + 300 |
| AUG18 | | ---- | ---- | -1.103 | - | 0.052 | ---- | 1419 | 4251 | + 1255 |

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|---|---|---|---|---|---|---|---|---|---|---|
| GCU FUT | GULF CO NO6 FUELOIL 3% V. EURO 3.5% | | | | | | | | | |
| SEP18 | ---- | ---- | -1.048 | - | 0.027 | ---- | ---- | 1743 | | UNCH |
| OCT18 | ---- | ---- | -0.916 | - | 0.008 | ---- | ---- | 2054 | | UNCH |
| NOV18 | ---- | ---- | -0.769 | - | 0.013 | ---- | ---- | 1979 | | UNCH |
| DEC18 | ---- | ---- | -0.656 | + | 0.010 | ---- | ---- | 2836 | | UNCH |
| JAN19 | ---- | ---- | -0.510 | + | 0.013 | ---- | ---- | 1665 | | UNCH |
| FEB19 | ---- | ---- | -0.515 | + | 0.013 | ---- | ---- | 504 | | UNCH |
| MAR19 | ---- | ---- | -0.530 | + | 0.036 | ---- | ---- | 504 | | UNCH |
| APR19 | ---- | ---- | -0.486 | + | 0.013 | ---- | ---- | 580 | | UNCH |
| MAY19 | ---- | ---- | -0.434 | + | 0.008 | ---- | ---- | 580 | | UNCH |
| JUN19 | ---- | ---- | -0.387 | + | 0.003 | ---- | ---- | 580 | | UNCH |
| JUL19 | ---- | ---- | -0.251 | + | 0.054 | ---- | ---- | 550 | | UNCH |
| AUG19 | ---- | ---- | -0.309 | + | 0.034 | ---- | ---- | 550 | | UNCH |
| SEP19 | ---- | ---- | -0.225 | + | 0.014 | ---- | ---- | 550 | | UNCH |
| OCT19 | ---- | ---- | -0.022 | + | 0.045 | ---- | ---- | 650 | | UNCH |
| NOV19 | ---- | ---- | 0.127 | + | 0.040 | ---- | ---- | 650 | | UNCH |
| DEC19 | ---- | ---- | 0.035 | + | 0.054 | ---- | ---- | 650 | | UNCH |
| JAN20 | ---- | ---- | 0.156 | - | 0.064 | ---- | ---- | 95 | | UNCH |
| FEB20 | ---- | ---- | 0.151 | - | 0.050 | ---- | ---- | 95 | | UNCH |
| MAR20 | ---- | ---- | 0.147 | - | 0.035 | ---- | ---- | 95 | | UNCH |
| APR20 | ---- | ---- | 0.123 | - | 0.041 | ---- | ---- | 95 | | UNCH |
| MAY20 | ---- | ---- | 0.119 | - | 0.021 | ---- | ---- | 95 | | UNCH |
| JUN20 | ---- | ---- | 0.114 | - | 0.002 | ---- | ---- | 95 | | UNCH |
| JUL20 | ---- | ---- | 0.110 | - | 0.001 | ---- | ---- | 95 | | UNCH |
| AUG20 | ---- | ---- | 0.110 | + | 0.019 | ---- | ---- | 95 | | UNCH |
| SEP20 | ---- | ---- | 0.110 | + | 0.038 | ---- | ---- | 95 | | UNCH |
| OCT20 | ---- | ---- | 0.090 | + | 0.018 | ---- | ---- | 95 | | UNCH |
| NOV20 | ---- | ---- | 0.065 | - | 0.006 | ---- | ---- | 95 | | UNCH |
| DEC20 | ---- | ---- | 0.039 | - | 0.031 | ---- | ---- | 95 | | UNCH |
| TOTAL GCU FUT | | | | | | | 1895 | 38484 | + | 1555 |
| VZ FUT | GULF COAST 3% FUEL OIL BALMO | | | | | | | | | |
| 04JUN18 | ---- | ---- | 64.369 | + | 0.236 | ---- | ---- | 370 | | UNCH |
| 05JUN18 | ---- | ---- | 64.420 | + | 0.249 | ---- | ---- | 81 | | UNCH |
| 06JUN18 | ---- | ---- | 64.447 | + | 0.263 | ---- | ---- | 275 | | UNCH |
| 07JUN18 | ---- | ---- | 64.511 | + | 0.278 | ---- | ---- | 112 | | UNCH |
| 08JUN18 | ---- | ---- | 64.465 | + | 0.296 | ---- | ---- | 51 | | UNCH |
| 19JUN18 | ---- | ---- | 65.089 | + | 0.526 | ---- | ---- | 30 | | UNCH |
| TOTAL VZ FUT | | | | | | | | 919 | | |
| MF FUT | GULF COAST HSFO (PLATTS) FUTURES | | | | | | | | | |
| JUN18 | ---- | ---- | 64.38 | + | 0.23 | ---- | ---- | 12175 | | UNCH |
| JUL18 | ---- | ---- | 67.37 | + | 1.42 | ---- | 674 | 12019 | - | 26 |
| AUG18 | ---- | ---- | 66.22 | + | 1.22 | ---- | 873 | 6390 | - | 148 |
| SEP18 | ---- | ---- | 65.57 | + | 1.22 | ---- | 225 | 3429 | - | 150 |
| OCT18 | ---- | ---- | 64.98 | + | 1.18 | ---- | 189 | 2825 | + | 11 |
| NOV18 | ---- | ---- | 64.47 | + | 1.19 | ---- | 89 | 3530 | + | 40 |
| DEC18 | ---- | ---- | 63.97 | + | 1.19 | ---- | 189 | 5358 | + | 61 |
| JAN19 | ---- | ---- | 63.72 | + | 1.19 | ---- | ---- | 2968 | | UNCH |
| FEB19 | ---- | ---- | 63.22 | + | 1.19 | ---- | ---- | 1531 | | UNCH |
| MAR19 | ---- | ---- | 62.67 | + | 1.22 | ---- | ---- | 896 | | UNCH |
| APR19 | ---- | ---- | 62.04 | + | 1.17 | ---- | ---- | 2647 | | UNCH |
| MAY19 | ---- | ---- | 61.27 | + | 1.15 | ---- | ---- | 641 | | UNCH |
| JUN19 | ---- | ---- | 60.19 | + | 1.12 | ---- | ---- | 612 | | UNCH |
| JUL19 | ---- | ---- | 58.71 | + | 1.11 | ---- | ---- | 141 | | UNCH |
| AUG19 | ---- | ---- | 56.59 | + | 1.12 | ---- | ---- | 141 | | UNCH |
| SEP19 | ---- | ---- | 54.11 | + | 1.11 | ---- | ---- | 141 | | UNCH |
| OCT19 | ---- | ---- | 51.56 | + | 1.11 | ---- | ---- | 456 | | UNCH |
| NOV19 | ---- | ---- | 49.11 | + | 1.08 | ---- | ---- | 456 | | UNCH |
| DEC19 | ---- | ---- | 47.01 | + | 1.06 | ---- | ---- | 456 | | UNCH |
| JAN20 | ---- | ---- | 45.26 | + | 0.94 | ---- | ---- | 34 | | UNCH |
| FEB20 | ---- | ---- | 45.61 | + | 0.91 | ---- | ---- | 34 | | UNCH |
| MAR20 | ---- | ---- | 45.96 | + | 0.89 | ---- | ---- | 34 | | UNCH |
| APR20 | ---- | ---- | 46.31 | + | 0.86 | ---- | ---- | 34 | | UNCH |
| MAY20 | ---- | ---- | 46.66 | + | 0.86 | ---- | ---- | 34 | | UNCH |
| JUN20 | ---- | ---- | 47.01 | + | 0.86 | ---- | ---- | 34 | | UNCH |
| JUL20 | ---- | ---- | 47.36 | + | 0.86 | ---- | ---- | 29 | | UNCH |
| AUG20 | ---- | ---- | 47.71 | + | 0.86 | ---- | ---- | 29 | | UNCH |
| SEP20 | ---- | ---- | 48.01 | + | 0.86 | ---- | ---- | 29 | | UNCH |
| OCT20 | ---- | ---- | 48.29 | + | 0.87 | ---- | ---- | 29 | | UNCH |
| NOV20 | ---- | ---- | 48.54 | + | 0.84 | ---- | ---- | 29 | | UNCH |
| DEC20 | ---- | ---- | 48.79 | + | 0.82 | ---- | ---- | 29 | | UNCH |
| TOTAL MF FUT | | | | | | | 2239 | 57190 | - | 212 |
| GE FUT | GULF COAST JET FUEL CLNDR | | | | | | | | | |
| JUN18 | ---- | ---- | 2.0853 | + | 0.0074 | ---- | ---- | 101 | | UNCH |
| JUL18 | ---- | ---- | 2.1196 | + | 0.0496 | ---- | ---- | 79 | | UNCH |
| AUG18 | ---- | ---- | 2.1251 | + | 0.0482 | ---- | ---- | 79 | | UNCH |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| GE FUT | GULF COAST JET FUEL CLNDR | | | | | | | | |
| SEP18 | ---- | ---- | 2.1304 | + | 0.0468 | ---- | ---- | 79 | UNCH |
| OCT18 | ---- | ---- | 2.1183 | + | 0.0460 | ---- | ---- | 131 | UNCH |
| NOV18 | ---- | ---- | 2.1131 | + | 0.0450 | ---- | ---- | 131 | UNCH |
| DEC18 | ---- | ---- | 2.1082 | + | 0.0437 | ---- | ---- | 131 | UNCH |
| JAN19 | ---- | ---- | 2.1243 | | NEW | ---- | 29 | 29 | + 29 |
| FEB19 | ---- | ---- | 2.1270 | | NEW | ---- | 29 | 29 | + 29 |
| MAR19 | ---- | ---- | 2.1237 | | NEW | ---- | 29 | 29 | + 29 |
| APR19 | ---- | ---- | 2.1113 | | NEW | ---- | 29 | 29 | + 29 |
| MAY19 | ---- | ---- | 2.1084 | | NEW | ---- | 29 | 29 | + 29 |
| JUN19 | ---- | ---- | 2.1141 | | NEW | ---- | 29 | 29 | + 29 |
| TOTAL GE FUT | | | | | | | 174 | 905 | + 174 |
| ME FUT | GULF COAST JET VS NYM 2 HO SPRD | | | | | | | | |
| JUN18 | ---- | ---- | -0.0581 | + | 0.0005 | ---- | ---- | 6155 | UNCH |
| JUL18 | ---- | ---- | -0.0600 | + | 0.0025 | ---- | 350 | 5750 | UNCH |
| AUG18 | ---- | ---- | -0.0600 | + | 0.0025 | ---- | ---- | 2299 | UNCH |
| SEP18 | ---- | ---- | -0.0600 | + | 0.0025 | ---- | ---- | 3008 | UNCH |
| OCT18 | ---- | ---- | -0.0775 | + | 0.0025 | ---- | 65 | 3053 | + 65 |
| NOV18 | ---- | ---- | -0.0875 | + | 0.0025 | ---- | 65 | 3031 | + 65 |
| DEC18 | ---- | ---- | -0.0975 | + | 0.0025 | ---- | 65 | 3156 | + 65 |
| JAN19 | ---- | ---- | -0.0800 | | UNCH | ---- | 60 | 420 | + 30 |
| FEB19 | ---- | ---- | -0.0700 | | UNCH | ---- | 60 | 420 | + 30 |
| MAR19 | ---- | ---- | -0.0600 | | UNCH | ---- | 60 | 555 | + 30 |
| APR19 | ---- | ---- | -0.0650 | | UNCH | ---- | ---- | 260 | UNCH |
| MAY19 | ---- | ---- | -0.0650 | | UNCH | ---- | ---- | 260 | UNCH |
| JUN19 | ---- | ---- | -0.0650 | | UNCH | ---- | ---- | 260 | UNCH |
| JUL19 | ---- | ---- | -0.0625 | | UNCH | ---- | ---- | 250 | UNCH |
| AUG19 | ---- | ---- | -0.0625 | | UNCH | ---- | ---- | 250 | UNCH |
| SEP19 | ---- | ---- | -0.0625 | | UNCH | ---- | ---- | 250 | UNCH |
| OCT19 | ---- | ---- | -0.0800 | | UNCH | ---- | ---- | 250 | UNCH |
| NOV19 | ---- | ---- | -0.0900 | | UNCH | ---- | ---- | 250 | UNCH |
| DEC19 | ---- | ---- | -0.1000 | | UNCH | ---- | ---- | 250 | UNCH |
| TOTAL ME FUT | | | | | | | 725 | 30127 | + 285 |
| MG FUT | GULF COAST NO.6 FUEL OIL CRACK | | | | | | | | |
| JUN18 | ---- | ---- | -2.84 | - | 0.08 | ---- | ---- | 960 | UNCH |
| JUL18 | ---- | ---- | -4.89 | - | 0.73 | ---- | ---- | 1601 | UNCH |
| AUG18 | ---- | ---- | -4.59 | - | 0.70 | ---- | ---- | 1591 | UNCH |
| SEP18 | ---- | ---- | -4.16 | - | 0.53 | ---- | ---- | 1256 | UNCH |
| OCT18 | ---- | ---- | -4.05 | - | 0.39 | ---- | ---- | 863 | UNCH |
| NOV18 | ---- | ---- | -3.92 | - | 0.19 | ---- | ---- | 863 | UNCH |
| DEC18 | ---- | ---- | -3.87 | - | 0.07 | ---- | ---- | 863 | UNCH |
| JAN19 | ---- | ---- | -3.57 | + | 0.05 | ---- | ---- | 235 | UNCH |
| FEB19 | ---- | ---- | -3.58 | + | 0.14 | ---- | ---- | 235 | UNCH |
| MAR19 | ---- | ---- | -3.67 | + | 0.23 | ---- | ---- | 235 | UNCH |
| APR19 | ---- | ---- | -3.91 | + | 0.22 | ---- | ---- | 155 | UNCH |
| MAY19 | ---- | ---- | -4.27 | + | 0.25 | ---- | ---- | 155 | UNCH |
| JUN19 | ---- | ---- | -4.93 | + | 0.27 | ---- | ---- | 155 | UNCH |
| JUL19 | ---- | ---- | -6.03 | + | 0.30 | ---- | ---- | 85 | UNCH |
| AUG19 | ---- | ---- | -7.78 | + | 0.37 | ---- | ---- | 85 | UNCH |
| SEP19 | ---- | ---- | -9.97 | + | 0.40 | ---- | ---- | 85 | UNCH |
| JAN20 | ---- | ---- | -17.55 | + | 0.38 | ---- | ---- | 35 | UNCH |
| FEB20 | ---- | ---- | -16.92 | + | 0.39 | ---- | ---- | 35 | UNCH |
| MAR20 | ---- | ---- | -16.29 | + | 0.41 | ---- | ---- | 35 | UNCH |
| APR20 | ---- | ---- | -15.68 | + | 0.41 | ---- | ---- | 35 | UNCH |
| MAY20 | ---- | ---- | -15.06 | + | 0.44 | ---- | ---- | 35 | UNCH |
| JUN20 | ---- | ---- | -14.44 | + | 0.47 | ---- | ---- | 35 | UNCH |
| JUL20 | ---- | ---- | -13.83 | + | 0.48 | ---- | ---- | 35 | UNCH |
| AUG20 | ---- | ---- | -13.24 | + | 0.51 | ---- | ---- | 35 | UNCH |
| SEP20 | ---- | ---- | -12.73 | + | 0.54 | ---- | ---- | 35 | UNCH |
| OCT20 | ---- | ---- | -12.25 | + | 0.59 | ---- | ---- | 35 | UNCH |
| NOV20 | ---- | ---- | -11.85 | + | 0.58 | ---- | ---- | 35 | UNCH |
| DEC20 | ---- | ---- | -11.36 | + | 0.59 | ---- | ---- | 35 | UNCH |
| TOTAL MG FUT | | | | | | | | 9842 | |
| LY FUT | GULF COAST ULSD CALENDAR | | | | | | | | |
| JUN18 | ---- | ---- | 2.1006 | + | 0.0068 | ---- | ---- | 161 | UNCH |
| JUL18 | ---- | ---- | 2.1331 | + | 0.0481 | ---- | ---- | 166 | UNCH |
| AUG18 | ---- | ---- | 2.1386 | + | 0.0467 | ---- | ---- | 205 | UNCH |
| SEP18 | ---- | ---- | 2.1439 | + | 0.0453 | ---- | ---- | 178 | UNCH |
| OCT18 | ---- | ---- | 2.1488 | + | 0.0435 | ---- | 37 | 183 | + 37 |
| NOV18 | ---- | ---- | 2.1331 | + | 0.0425 | ---- | ---- | 144 | UNCH |
| DEC18 | ---- | ---- | 2.1307 | + | 0.0412 | ---- | ---- | 144 | UNCH |
| JAN19 | ---- | ---- | 2.1343 | + | 0.0395 | ---- | 15 | 78 | + 15 |
| FEB19 | ---- | ---- | 2.1470 | + | 0.0379 | ---- | 15 | 85 | + 15 |
| MAR19 | ---- | ---- | 2.1437 | + | 0.0372 | ---- | 15 | 85 | + 15 |
| APR19 | ---- | ---- | 2.1338 | + | 0.0365 | ---- | ---- | 20 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|---|
| LY FUT | GULF COAST ULSD CALENDAR | | | | | | | | | |
| MAY19 | | ---- | ---- | 2.1309 | + | 0.0358 | ---- | ---- | 20 | UNCH |
| JUN19 | | ---- | ---- | 2.1366 | + | 0.0354 | ---- | ---- | 20 | UNCH |
| JUL19 | | ---- | ---- | 2.1455 | + | 0.0354 | ---- | ---- | 20 | UNCH |
| AUG19 | | ---- | ---- | 2.1554 | + | 0.0356 | ---- | ---- | 20 | UNCH |
| SEP19 | | ---- | ---- | 2.1604 | + | 0.0353 | ---- | ---- | 20 | UNCH |
| OCT19 | | ---- | ---- | 2.1615 | + | 0.0354 | ---- | ---- | 20 | UNCH |
| NOV19 | | ---- | ---- | 2.1634 | + | 0.0353 | ---- | ---- | 20 | UNCH |
| DEC19 | | ---- | ---- | 2.1595 | + | 0.0349 | ---- | ---- | 20 | UNCH |
| TOTAL LY FUT | | | | | | | | 82 | 1609 | + 82 |
| GY FUT | GULF COAST ULSD CRACK SPREAD | | | | | | | | | |
| JUN18 | | ---- | ---- | 21.01 | - | 0.02 | ---- | ---- | 50 | UNCH |
| JUL18 | | ---- | ---- | 17.33 | - | 0.13 | ---- | ---- | 100 | UNCH |
| AUG18 | | ---- | ---- | 19.01 | + | 0.04 | ---- | ---- | 200 | UNCH |
| SEP18 | | ---- | ---- | 20.31 | + | 0.15 | ---- | ---- | 100 | UNCH |
| OCT18 | | ---- | ---- | 21.22 | + | 0.26 | ---- | ---- | 50 | UNCH |
| NOV18 | | ---- | ---- | 21.20 | + | 0.40 | ---- | ---- | 50 | UNCH |
| DEC18 | | ---- | ---- | 21.65 | + | 0.47 | ---- | ---- | 50 | UNCH |
| JAN19 | | ---- | ---- | 22.35 | + | 0.52 | ---- | ---- | 25 | UNCH |
| FEB19 | | ---- | ---- | 23.37 | + | 0.54 | ---- | ---- | 25 | UNCH |
| MAR19 | | ---- | ---- | 23.70 | + | 0.58 | ---- | ---- | 25 | UNCH |
| APR19 | | ---- | ---- | 23.67 | + | 0.58 | ---- | ---- | 40 | UNCH |
| MAY19 | | ---- | ---- | 23.96 | + | 0.61 | ---- | ---- | 40 | UNCH |
| JUN19 | | ---- | ---- | 24.62 | + | 0.64 | ---- | ---- | 40 | UNCH |
| JUL19 | | ---- | ---- | 25.37 | + | 0.68 | ---- | ---- | 25 | UNCH |
| AUG19 | | ---- | ---- | 26.16 | + | 0.75 | ---- | ---- | 25 | UNCH |
| SEP19 | | ---- | ---- | 26.66 | + | 0.78 | ---- | ---- | 25 | UNCH |
| OCT19 | | ---- | ---- | 27.00 | + | 0.82 | ---- | ---- | 25 | UNCH |
| NOV19 | | ---- | ---- | 27.37 | + | 0.85 | ---- | ---- | 25 | UNCH |
| DEC19 | | ---- | ---- | 27.56 | + | 0.87 | ---- | ---- | 25 | UNCH |
| TOTAL GY FUT | | | | | | | | | 945 | |
| GCB FUT | GULF CST NO6 FO 3% V EURO 3.5 BALMO | | | | | | | | | |
| 06JUN18 | | ---- | ---- | -1.197 | + | 0.045 | ---- | ---- | 50 | UNCH |
| 07JUN18 | | ---- | ---- | -1.162 | + | 0.046 | ---- | ---- | 100 | UNCH |
| TOTAL GCB FUT | | | | | | | | | 150 | |
| GBB FUT | GULF CST UNL 87 GAS M2 V. RBOB BLMO | | | | | | | | | |
| 04JUN18 | | ---- | ---- | -0.0872 | - | 0.0011 | ---- | ---- | 200 | UNCH |
| 05JUN18 | | ---- | ---- | -0.0876 | - | 0.0012 | ---- | ---- | 545 | UNCH |
| 06JUN18 | | ---- | ---- | -0.0874 | - | 0.0013 | ---- | ---- | 150 | UNCH |
| 08JUN18 | | ---- | ---- | -0.0863 | - | 0.0015 | ---- | ---- | 50 | UNCH |
| 15JUN18 | | ---- | ---- | -0.0847 | - | 0.0021 | ---- | ---- | 150 | UNCH |
| 21JUN18 | | ---- | ---- | -0.0862 | - | 0.0033 | ---- | ---- | 100 | UNCH |
| 22JUN18 | | ---- | ---- | -0.0872 | - | 0.0039 | ---- | ---- | 100 | UNCH |
| TOTAL GBB FUT | | | | | | | | | 1295 | |
| GCM FUT | GULF UNL87 GAS M2 PLATTS F | | | | | | | | | |
| JUL18 | | ---- | ---- | 2.0378 | + | 0.0536 | ---- | ---- | 21 | UNCH |
| TOTAL GCM FUT | | | | | | | | | 21 | |
| GCC FUT | GULF UNL87 M2 PL CRACK SPRD F | | | | | | | | | |
| JUN18 | | ---- | ---- | 16.768 | - | 0.012 | ---- | ---- | 100 | UNCH |
| JUL18 | | ---- | ---- | 13.328 | + | 0.105 | ---- | ---- | 25 | UNCH |
| AUG18 | | ---- | ---- | 14.733 | + | 0.165 | ---- | ---- | 25 | UNCH |
| SEP18 | | ---- | ---- | 13.972 | + | 0.212 | ---- | ---- | 25 | UNCH |
| OCT18 | | ---- | ---- | 13.000 | + | 0.263 | ---- | ---- | 25 | UNCH |
| NOV18 | | ---- | ---- | 11.781 | + | 0.335 | ---- | ---- | 25 | UNCH |
| DEC18 | | ---- | ---- | 11.707 | + | 0.380 | ---- | ---- | 25 | UNCH |
| JAN19 | | ---- | ---- | 12.766 | + | 0.443 | ---- | ---- | 50 | UNCH |
| FEB19 | | ---- | ---- | 13.943 | + | 0.507 | ---- | ---- | 50 | UNCH |
| MAR19 | | ---- | ---- | 17.013 | + | 0.546 | ---- | ---- | 50 | UNCH |
| APR19 | | ---- | ---- | 19.078 | + | 0.577 | ---- | ---- | 55 | UNCH |
| MAY19 | | ---- | ---- | 19.216 | + | 0.608 | ---- | ---- | 55 | UNCH |
| JUN19 | | ---- | ---- | 18.995 | + | 0.628 | ---- | ---- | 55 | UNCH |
| TOTAL GCC FUT | | | | | | | | | 565 | |
| RVG FUT | GULF UNL87 M2 PL VS RBOB SPR F | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.0875 | - | 0.0012 | ---- | ---- | 9354 | UNCH |
| JUL18 | | ---- | ---- | -0.0725 | | UNCH | ---- | 700 | 6037 | - 325 |
| AUG18 | | ---- | ---- | -0.0535 | - | 0.0010 | ---- | 650 | 4265 | - 25 |
| SEP18 | | ---- | ---- | 0.0150 | | UNCH | ---- | ---- | 821 | UNCH |
| OCT18 | | ---- | ---- | 0.0025 | | UNCH | ---- | ---- | 1828 | UNCH |
| NOV18 | | ---- | ---- | -0.0250 | | UNCH | ---- | ---- | 1828 | UNCH |
| DEC18 | | ---- | ---- | -0.0375 | | UNCH | ---- | ---- | 2803 | UNCH |
| JAN19 | | ---- | ---- | -0.0300 | | UNCH | ---- | ---- | 480 | UNCH |
| FEB19 | | ---- | ---- | -0.0250 | | UNCH | ---- | ---- | 275 | UNCH |
| MAR19 | | ---- | ---- | -0.1300 | | UNCH | ---- | ---- | 25 | UNCH |
| TOTAL RVG FUT | | | | | | | | 1350 | 27716 | - 350 |

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| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1G FUT | HEATING OIL BALMO CLNDR | | | | | | | | | |
| 12JUN18 | | ---- | ---- | 2.1364 | + | 0.0103 | ---- | ---- | 167 | UNCH |
| TOTAL 1G FUT | | | | | | | | | 167 | |
| HOB FUT | HEATING OIL VS. BRENT CRACK SPREAD | | | | | | | | | |
| JUN18 | | ---- | ---- | 14.187 | + | 0.103 | ---- | ---- | 706 | UNCH |
| JUL18 | | ---- | ---- | 14.096 | + | 0.657 | ---- | ---- | 605 | UNCH |
| AUG18 | | ---- | ---- | 14.616 | + | 0.579 | ---- | ---- | 605 | UNCH |
| SEP18 | | ---- | ---- | 15.113 | + | 0.520 | ---- | ---- | 580 | UNCH |
| OCT18 | | ---- | ---- | 15.670 | + | 0.478 | ---- | ---- | 430 | UNCH |
| NOV18 | | ---- | ---- | 16.233 | + | 0.458 | ---- | ---- | 430 | UNCH |
| DEC18 | | ---- | ---- | 16.859 | + | 0.456 | ---- | ---- | 430 | UNCH |
| JAN19 | | ---- | ---- | 17.178 | + | 0.441 | ---- | 20 | 196 | + 20 |
| FEB19 | | ---- | ---- | 17.253 | + | 0.425 | ---- | 20 | 196 | + 20 |
| MAR19 | | ---- | ---- | 17.083 | + | 0.455 | ---- | 20 | 196 | + 20 |
| APR19 | | ---- | ---- | 17.152 | + | 0.486 | ---- | 20 | 201 | + 20 |
| MAY19 | | ---- | ---- | 17.377 | + | 0.516 | ---- | 20 | 201 | + 20 |
| JUN19 | | ---- | ---- | 17.950 | + | 0.549 | ---- | 20 | 201 | + 20 |
| JUL19 | | ---- | ---- | 18.586 | + | 0.599 | ---- | 20 | 186 | + 20 |
| AUG19 | | ---- | ---- | 19.352 | + | 0.657 | ---- | 20 | 186 | + 20 |
| SEP19 | | ---- | ---- | 19.906 | + | 0.695 | ---- | 20 | 186 | + 20 |
| OCT19 | | ---- | ---- | 20.558 | + | 0.739 | ---- | 20 | 186 | + 20 |
| NOV19 | | ---- | ---- | 21.303 | + | 0.775 | ---- | 20 | 186 | + 20 |
| DEC19 | | ---- | ---- | 22.304 | + | 0.798 | ---- | 20 | 186 | + 20 |
| JAN20 | | ---- | ---- | 22.684 | + | 0.799 | ---- | ---- | 19 | UNCH |
| FEB20 | | ---- | ---- | 22.560 | + | 0.818 | ---- | ---- | 19 | UNCH |
| MAR20 | | ---- | ---- | 22.070 | + | 0.810 | ---- | ---- | 19 | UNCH |
| APR20 | | ---- | ---- | 21.718 | + | 0.819 | ---- | ---- | 19 | UNCH |
| MAY20 | | ---- | ---- | 21.590 | + | 0.820 | ---- | ---- | 19 | UNCH |
| JUN20 | | ---- | ---- | 21.719 | + | 0.814 | ---- | ---- | 19 | UNCH |
| JUL20 | | ---- | ---- | 21.845 | + | 0.806 | ---- | ---- | 19 | UNCH |
| AUG20 | | ---- | ---- | 21.944 | + | 0.808 | ---- | ---- | 19 | UNCH |
| SEP20 | | ---- | ---- | 21.920 | + | 0.807 | ---- | ---- | 19 | UNCH |
| OCT20 | | ---- | ---- | 21.881 | + | 0.797 | ---- | ---- | 19 | UNCH |
| NOV20 | | ---- | ---- | 21.849 | + | 0.788 | ---- | ---- | 19 | UNCH |
| DEC20 | | ---- | ---- | 22.236 | + | 0.786 | ---- | ---- | 19 | UNCH |
| TOTAL HOB FUT | | | | | | | | 240 | 6321 | + 240 |
| JA FUT | JAPAN C&F NAPHTHA | | | | | | | | | |
| JUN18 | | ---- | ---- | 641.97 | + | 1.20 | ---- | ---- | 693 | UNCH |
| JUL18 | | ---- | ---- | 650.73 | + | 11.49 | ---- | 65 | 544 | + 26 |
| AUG18 | | ---- | ---- | 648.32 | + | 11.02 | ---- | 30 | 341 | - 14 |
| SEP18 | | ---- | ---- | 645.86 | + | 10.48 | ---- | 30 | 300 | + 30 |
| OCT18 | | ---- | ---- | 643.61 | + | 9.76 | ---- | ---- | 220 | UNCH |
| NOV18 | | ---- | ---- | 640.92 | + | 9.63 | ---- | ---- | 151 | UNCH |
| DEC18 | | ---- | ---- | 638.14 | + | 9.51 | ---- | ---- | 130 | UNCH |
| JAN19 | | ---- | ---- | 634.73 | + | 9.35 | ---- | ---- | 70 | UNCH |
| FEB19 | | ---- | ---- | 630.64 | + | 9.63 | ---- | ---- | 74 | UNCH |
| MAR19 | | ---- | ---- | 625.50 | + | 9.02 | ---- | ---- | 61 | UNCH |
| APR19 | | ---- | ---- | 620.49 | + | 8.63 | ---- | ---- | 28 | UNCH |
| MAY19 | | ---- | ---- | 615.66 | + | 8.31 | ---- | ---- | 28 | UNCH |
| JUN19 | | ---- | ---- | 611.74 | + | 8.36 | ---- | ---- | 28 | UNCH |
| JUL19 | | ---- | ---- | 607.98 | + | 8.34 | ---- | ---- | 8 | UNCH |
| AUG19 | | ---- | ---- | 604.85 | + | 8.85 | ---- | ---- | 8 | UNCH |
| SEP19 | | ---- | ---- | 601.48 | + | 9.19 | ---- | ---- | 8 | UNCH |
| OCT19 | | ---- | ---- | 598.26 | + | 9.38 | ---- | ---- | 8 | UNCH |
| NOV19 | | ---- | ---- | 594.73 | + | 8.94 | ---- | ---- | 8 | UNCH |
| DEC19 | | ---- | ---- | 591.37 | + | 9.29 | ---- | ---- | 8 | UNCH |
| TOTAL JA FUT | | | | | | | | 125 | 2716 | + 42 |
| JB FUT | JAPAN C&F NAPHTHA CRACK SPREAD | | | | | | | | | |
| JUN18 | | ---- | ---- | -4.51 | - | 0.05 | ---- | ---- | 360 | UNCH |
| JUL18 | | ---- | ---- | -5.14 | - | 0.04 | ---- | ---- | 27 | UNCH |
| AUG18 | | ---- | ---- | -5.12 | - | 0.12 | ---- | ---- | 27 | UNCH |
| SEP18 | | ---- | ---- | -5.12 | - | 0.18 | ---- | ---- | 27 | UNCH |
| OCT18 | | ---- | ---- | -5.04 | - | 0.27 | ---- | ---- | 45 | UNCH |
| NOV18 | | ---- | ---- | -4.98 | - | 0.26 | ---- | ---- | 65 | UNCH |
| DEC18 | | ---- | ---- | -4.88 | - | 0.22 | ---- | ---- | 65 | UNCH |
| TOTAL JB FUT | | | | | | | | | 616 | |
| E6 FUT | JAPAN NAPHTHA BALMO | | | | | | | | | |
| 04JUN18 | | ---- | ---- | 640.912 | + | 1.262 | ---- | ---- | 6 | UNCH |
| 05JUN18 | | ---- | ---- | 639.859 | + | 1.333 | ---- | ---- | 5 | UNCH |
| 06JUN18 | | ---- | ---- | 639.270 | + | 1.411 | ---- | ---- | 12 | UNCH |
| TOTAL E6 FUT | | | | | | | | | 23 | |
| 1T FUT | JET AVIA FUEL(PLTT) CRGS FOB M | | | | | | | | | |
| JUN18 | | ---- | ---- | 687.440 | + | 3.391 | ---- | ---- | 6 | UNCH |
| JUL18 | | ---- | ---- | 697.386 | + | 23.412 | ---- | ---- | 3 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|
| 1T FUT | JET AVIA FUEL(PLTT) CRGS FOB M | | | | | | | | |
| AUG18 | ---- | ---- | 698.717 | + | 23.321 | ---- | ---- | 3 | UNCH |
| SEP18 | ---- | ---- | 700.100 | + | 23.034 | ---- | ---- | 3 | UNCH |
| OCT18 | ---- | ---- | 701.022 | + | 22.867 | ---- | ---- | 3 | UNCH |
| NOV18 | ---- | ---- | 699.477 | + | 22.609 | ---- | ---- | 3 | UNCH |
| DEC18 | ---- | ---- | 699.325 | + | 22.367 | ---- | ---- | 3 | UNCH |
| TOTAL 1T FUT | | | | | | | | 24 | |
| 1V FUT | JET AVIA FUEL(PLTT) FOB V. ICE | | | | | | | | |
| JUN18 | ---- | ---- | 30.166 | + | 0.212 | ---- | ---- | 2 | UNCH |
| JUL18 | ---- | ---- | 30.750 | + | 1.321 | ---- | ---- | 2 | UNCH |
| AUG18 | ---- | ---- | 30.500 | + | 1.321 | ---- | ---- | 2 | UNCH |
| SEP18 | ---- | ---- | 30.375 | + | 1.197 | ---- | ---- | 2 | UNCH |
| OCT18 | ---- | ---- | 31.750 | + | 1.280 | ---- | ---- | 2 | UNCH |
| NOV18 | ---- | ---- | 31.750 | + | 1.280 | ---- | ---- | 2 | UNCH |
| DEC18 | ---- | ---- | 31.750 | + | 1.280 | ---- | ---- | 2 | UNCH |
| TOTAL 1V FUT | | | | | | | | 14 | |
| JC FUT | JET CIF NWE VS ICE | | | | | | | | |
| JUN18 | ---- | ---- | 44.91 | + | 0.20 | ---- | ---- | 58 | UNCH |
| JUL18 | ---- | ---- | 45.25 | + | 1.24 | ---- | ---- | 58 | UNCH |
| AUG18 | ---- | ---- | 45.00 | + | 1.25 | ---- | ---- | 58 | UNCH |
| SEP18 | ---- | ---- | 44.88 | + | 1.13 | ---- | ---- | 58 | UNCH |
| OCT18 | ---- | ---- | 46.25 | + | 1.20 | ---- | ---- | 18 | UNCH |
| NOV18 | ---- | ---- | 46.25 | + | 1.21 | ---- | ---- | 18 | UNCH |
| DEC18 | ---- | ---- | 46.26 | + | 1.22 | ---- | ---- | 18 | UNCH |
| JAN19 | ---- | ---- | 48.12 | + | 0.54 | ---- | ---- | 19 | UNCH |
| FEB19 | ---- | ---- | 48.13 | + | 0.54 | ---- | ---- | 19 | UNCH |
| MAR19 | ---- | ---- | 48.13 | + | 0.55 | ---- | ---- | 19 | UNCH |
| APR19 | ---- | ---- | 48.00 | + | 0.41 | ---- | ---- | 22 | UNCH |
| MAY19 | ---- | ---- | 48.00 | + | 0.42 | ---- | ---- | 22 | UNCH |
| JUN19 | ---- | ---- | 48.00 | + | 0.41 | ---- | ---- | 22 | UNCH |
| JUL19 | ---- | ---- | 47.94 | + | 0.35 | ---- | ---- | 12 | UNCH |
| AUG19 | ---- | ---- | 47.94 | + | 0.35 | ---- | ---- | 12 | UNCH |
| SEP19 | ---- | ---- | 47.94 | + | 0.35 | ---- | ---- | 12 | UNCH |
| OCT19 | ---- | ---- | 46.50 | + | 0.50 | ---- | ---- | 9 | UNCH |
| NOV19 | ---- | ---- | 46.50 | + | 0.50 | ---- | ---- | 9 | UNCH |
| DEC19 | ---- | ---- | 46.50 | + | 0.50 | ---- | ---- | 9 | UNCH |
| TOTAL JC FUT | | | | | | | | 472 | |
| 1M FUT | JET FUEL UP-DOWN BALMO CLNDR S | | | | | | | | |
| 04JUN18 | ---- | ---- | -0.0585 | + | 0.0005 | ---- | ---- | 500 | UNCH |
| 05JUN18 | ---- | ---- | -0.0591 | + | 0.0006 | ---- | ---- | 100 | UNCH |
| 06JUN18 | ---- | ---- | -0.0596 | + | 0.0006 | ---- | ---- | 350 | UNCH |
| 07JUN18 | ---- | ---- | -0.0600 | + | 0.0006 | ---- | ---- | 1140 | UNCH |
| 08JUN18 | ---- | ---- | -0.0608 | + | 0.0006 | ---- | ---- | 700 | UNCH |
| 11JUN18 | ---- | ---- | -0.0616 | + | 0.0007 | ---- | ---- | 375 | UNCH |
| 12JUN18 | ---- | ---- | -0.0623 | + | 0.0007 | ---- | ---- | 325 | UNCH |
| 13JUN18 | ---- | ---- | -0.0625 | + | 0.0008 | ---- | ---- | 200 | UNCH |
| 18JUN18 | ---- | ---- | -0.0620 | + | 0.0010 | ---- | ---- | 100 | UNCH |
| 20JUN18 | ---- | ---- | -0.0613 | + | 0.0013 | ---- | ---- | 323 | UNCH |
| 21JUN18 | ---- | ---- | -0.0615 | + | 0.0015 | ---- | ---- | 150 | UNCH |
| TOTAL 1M FUT | | | | | | | | 4263 | |
| KL FUT | LA CARB DIESEL (OPIS) | | | | | | | | |
| JUN18 | ---- | ---- | 0.0385 | + | 0.0011 | ---- | ---- | 375 | UNCH |
| JUL18 | ---- | ---- | 0.0232 | + | 0.0007 | ---- | 25 | 75 | UNCH |
| AUG18 | ---- | ---- | 0.0557 | + | 0.0010 | ---- | 25 | 75 | UNCH |
| SEP18 | ---- | ---- | 0.0551 | + | 0.0004 | ---- | 50 | 100 | + 25 |
| TOTAL KL FUT | | | | | | | 100 | 625 | + 25 |
| JL FUT | LA CARBOB GASOLINE(OPIS) | | | | | | | | |
| JUN18 | ---- | ---- | 0.0380 | + | 0.0048 | ---- | ---- | 575 | UNCH |
| TOTAL JL FUT | | | | | | | | 575 | |
| JS FUT | LA JET (OPIS) | | | | | | | | |
| JUN18 | ---- | ---- | 0.0046 | + | 0.0011 | ---- | ---- | 825 | UNCH |
| JUL18 | ---- | ---- | 0.0050 | | UNCH | ---- | ---- | 630 | UNCH |
| AUG18 | ---- | ---- | -0.0030 | | UNCH | ---- | ---- | 445 | UNCH |
| SEP18 | ---- | ---- | -0.0020 | | UNCH | ---- | ---- | 445 | UNCH |
| TOTAL JS FUT | | | | | | | | 2345 | |
| MAS FUT | MIN ARGUS PROPANE SAUDI ARAMCO | | | | | | | | |
| JUL18 | ---- | ---- | 554.983 | + | 0.240 | ---- | ---- | 50 | UNCH |
| AUG18 | ---- | ---- | 559.983 | + | 6.191 | ---- | 10 | 10 | UNCH |
| SEP18 | ---- | ---- | 559.029 | + | 5.472 | ---- | ---- | 10 | UNCH |
| JAN19 | ---- | ---- | 557.480 | + | 4.220 | ---- | ---- | 12 | UNCH |
| FEB19 | ---- | ---- | 545.557 | + | 1.550 | ---- | ---- | 2 | UNCH |
| MAR19 | ---- | ---- | 519.374 | - | 0.354 | ---- | ---- | 12 | UNCH |
| APR19 | ---- | ---- | 492.363 | - | 2.497 | ---- | ---- | 10 | UNCH |
| TOTAL MAS FUT | | | | | | | 10 | 106 | |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| MNC FUT | MIN EURO NPHTHA CIF NWE | | | | | | | | |
| JUN18 | ---- | ---- | 631.663 | + | 1.575 | ---- | ---- | 2305 | UNCH |
| JUL18 | ---- | ---- | 643.983 | + | 10.740 | ---- | 163 | 1391 | - 13 |
| AUG18 | ---- | ---- | 642.233 | + | 10.691 | ---- | 113 | 240 | + 91 |
| SEP18 | ---- | ---- | 640.029 | + | 10.222 | ---- | 20 | 209 | + 10 |
| OCT18 | ---- | ---- | 637.608 | + | 9.885 | ---- | ---- | 133 | UNCH |
| NOV18 | ---- | ---- | 634.831 | + | 9.711 | ---- | ---- | 191 | UNCH |
| DEC18 | ---- | ---- | 632.061 | + | 9.679 | ---- | ---- | 121 | UNCH |
| JAN19 | ---- | ---- | 629.230 | + | 9.470 | ---- | ---- | 26 | UNCH |
| FEB19 | ---- | ---- | 624.557 | + | 9.300 | ---- | ---- | 33 | UNCH |
| MAR19 | ---- | ---- | 619.124 | + | 8.896 | ---- | ---- | 13 | UNCH |
| APR19 | ---- | ---- | 613.613 | + | 8.503 | ---- | ---- | 9 | UNCH |
| MAY19 | ---- | ---- | 608.539 | + | 7.933 | ---- | ---- | 42 | UNCH |
| JUN19 | ---- | ---- | 603.989 | + | 7.461 | ---- | ---- | 29 | UNCH |
| JUL19 | ---- | ---- | 599.729 | + | 6.992 | ---- | ---- | 29 | UNCH |
| AUG19 | ---- | ---- | 595.698 | + | 6.447 | ---- | ---- | 39 | UNCH |
| SEP19 | ---- | ---- | 591.896 | + | 5.960 | ---- | ---- | 9 | UNCH |
| OCT19 | ---- | ---- | 588.369 | + | 5.740 | ---- | ---- | 9 | UNCH |
| NOV19 | ---- | ---- | 584.730 | + | 4.990 | ---- | ---- | 9 | UNCH |
| DEC19 | ---- | ---- | 580.991 | + | 4.779 | ---- | ---- | 9 | UNCH |
| TOTAL MNC FUT | | | | | | | 296 | 4846 | + 88 |
| MGF FUT | MIN GSL .1 PLTS CRGS CIFNWE VS GSL | | | | | | | | |
| JUN18 | ---- | ---- | -9.905 | - | 0.167 | ---- | ---- | 10 | UNCH |
| JUL18 | ---- | ---- | -8.000 | | UNCH | ---- | ---- | 10 | UNCH |
| TOTAL MGF FUT | | | | | | | | 20 | |
| MJN FUT | MIN JAPAN C&F NAPHTHA PLATTS | | | | | | | | |
| JUN18 | ---- | ---- | 641.973 | + | 1.199 | ---- | ---- | 866 | UNCH |
| JUL18 | ---- | ---- | 650.733 | + | 11.490 | ---- | 136 | 880 | + 96 |
| AUG18 | ---- | ---- | 648.316 | + | 11.024 | ---- | ---- | 289 | UNCH |
| SEP18 | ---- | ---- | 645.862 | + | 10.475 | ---- | ---- | 71 | UNCH |
| OCT18 | ---- | ---- | 643.608 | + | 9.760 | ---- | ---- | 111 | UNCH |
| NOV18 | ---- | ---- | 640.915 | + | 9.629 | ---- | ---- | 111 | UNCH |
| DEC18 | ---- | ---- | 638.144 | + | 9.512 | ---- | ---- | 111 | UNCH |
| JAN19 | ---- | ---- | 634.730 | + | 9.345 | ---- | ---- | 30 | UNCH |
| FEB19 | ---- | ---- | 630.641 | + | 9.634 | ---- | ---- | 20 | UNCH |
| MAR19 | ---- | ---- | 625.499 | + | 9.021 | ---- | ---- | 20 | UNCH |
| TOTAL MJN FUT | | | | | | | 136 | 2509 | + 96 |
| MJC FUT | MIN JETKERO CRGOS CIF NWE VS GASOIL | | | | | | | | |
| JUN18 | ---- | ---- | 44.905 | + | 0.190 | ---- | ---- | 105 | UNCH |
| JUL18 | ---- | ---- | 45.250 | + | 1.240 | ---- | 10 | 70 | UNCH |
| AUG18 | ---- | ---- | 45.000 | + | 1.250 | ---- | 10 | 35 | UNCH |
| SEP18 | ---- | ---- | 44.880 | + | 1.130 | ---- | ---- | 35 | UNCH |
| OCT18 | ---- | ---- | 46.250 | + | 1.200 | ---- | ---- | 5 | UNCH |
| NOV18 | ---- | ---- | 46.250 | + | 1.210 | ---- | ---- | 5 | UNCH |
| DEC18 | ---- | ---- | 46.260 | + | 1.220 | ---- | ---- | 15 | UNCH |
| JAN19 | ---- | ---- | 48.120 | + | 0.540 | ---- | ---- | 5 | UNCH |
| FEB19 | ---- | ---- | 48.130 | + | 0.540 | ---- | ---- | 5 | UNCH |
| MAR19 | ---- | ---- | 48.130 | + | 0.550 | ---- | ---- | 5 | UNCH |
| APR19 | ---- | ---- | 48.000 | + | 0.410 | ---- | ---- | 5 | UNCH |
| MAY19 | ---- | ---- | 48.000 | + | 0.420 | ---- | ---- | 5 | UNCH |
| JUN19 | ---- | ---- | 48.000 | + | 0.410 | ---- | ---- | 5 | UNCH |
| JUL19 | ---- | ---- | 47.940 | + | 0.350 | ---- | ---- | 10 | UNCH |
| AUG19 | ---- | ---- | 47.940 | + | 0.350 | ---- | ---- | 10 | UNCH |
| SEP19 | ---- | ---- | 47.940 | + | 0.350 | ---- | ---- | 10 | UNCH |
| JAN20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| FEB20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| MAR20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| APR20 | ---- | ---- | 45.620 | + | 0.120 | ---- | ---- | 5 | UNCH |
| MAY20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| JUN20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| JUL20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| AUG20 | ---- | ---- | 45.620 | + | 0.120 | ---- | ---- | 5 | UNCH |
| SEP20 | ---- | ---- | 45.630 | + | 0.120 | ---- | ---- | 5 | UNCH |
| OCT20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| NOV20 | ---- | ---- | 45.630 | + | 0.130 | ---- | ---- | 5 | UNCH |
| DEC20 | ---- | ---- | 45.620 | + | 0.120 | ---- | ---- | 5 | UNCH |
| TOTAL MJC FUT | | | | | | | 20 | 390 | |
| MTB FUT | MIN SPORE FUELOIL380CST(PLTS) BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | 438.915 | + | 1.098 | ---- | ---- | 10 | UNCH |
| 06JUN18 | ---- | ---- | 438.754 | + | 1.228 | ---- | ---- | 5 | UNCH |
| TOTAL MTB FUT | | | | | | | | 15 | |
| MGN FUT | MIN ULSD 10PPM CRGS CIF NWE VS GSL | | | | | | | | |
| JUN18 | ---- | ---- | 3.738 | - | 0.066 | ---- | ---- | 37 | UNCH |
| JUL18 | ---- | ---- | 4.084 | | UNCH | ---- | ---- | 92 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|
| MGN FUT | MIN ULSD 10PPM CRGS CIF NWE VS GSL | | | | | | | | |
| AUG18 | | ---- | ---- | 4.084 | UNCH | ---- | ---- | 77 | UNCH |
| SEP18 | | ---- | ---- | 4.063 | + 0.001 | ---- | ---- | 72 | UNCH |
| OCT18 | | ---- | ---- | 4.291 | UNCH | ---- | ---- | 62 | UNCH |
| NOV18 | | ---- | ---- | 4.292 | + 0.001 | ---- | ---- | 52 | UNCH |
| DEC18 | | ---- | ---- | 4.292 | + 0.001 | ---- | ---- | 37 | UNCH |
| JAN19 | | ---- | ---- | 4.125 | - 0.125 | ---- | ---- | 5 | UNCH |
| FEB19 | | ---- | ---- | 4.125 | - 0.125 | ---- | ---- | 5 | UNCH |
| MAR19 | | ---- | ---- | 4.125 | - 0.125 | ---- | ---- | 5 | UNCH |
| TOTAL MGN FUT | | | | | | | | 444 | |
| MFD FUT | MINI 1% FUEL OIL CAR MED | | | | | | | | |
| JUN18 | | ---- | ---- | 430.779 | + 0.939 | ---- | ---- | 35 | UNCH |
| JUL18 | | ---- | ---- | 441.460 | + 6.462 | ---- | ---- | 35 | UNCH |
| TOTAL MFD FUT | | | | | | | | 70 | |
| MMF FUT | MINI 3.5% FUEL OIL CAR MED | | | | | | | | |
| JUN18 | | ---- | ---- | 421.862 | + 1.402 | ---- | ---- | 10 | UNCH |
| JUL18 | | ---- | ---- | 431.210 | + 7.887 | ---- | ---- | 26 | UNCH |
| AUG18 | | ---- | ---- | 426.652 | + 8.106 | ---- | ---- | 10 | UNCH |
| SEP18 | | ---- | ---- | 421.941 | + 7.928 | ---- | ---- | 2 | UNCH |
| OCT18 | | ---- | ---- | 416.894 | + 7.591 | ---- | ---- | 6 | UNCH |
| NOV18 | | ---- | ---- | 412.664 | + 7.600 | ---- | ---- | 2 | UNCH |
| DEC18 | | ---- | ---- | 408.728 | + 7.455 | ---- | ---- | 6 | UNCH |
| JAN19 | | ---- | ---- | 406.465 | + 7.434 | ---- | ---- | 2 | UNCH |
| FEB19 | | ---- | ---- | 403.448 | + 7.434 | ---- | ---- | 2 | UNCH |
| MAR19 | | ---- | ---- | 400.050 | + 7.500 | ---- | ---- | 2 | UNCH |
| APR19 | | ---- | ---- | 395.800 | + 7.375 | ---- | ---- | 2 | UNCH |
| MAY19 | | ---- | ---- | 390.550 | + 7.250 | ---- | ---- | 2 | UNCH |
| JUN19 | | ---- | ---- | 383.425 | + 7.125 | ---- | ---- | 2 | UNCH |
| TOTAL MMF FUT | | | | | | | | 74 | |
| MAE FUT | MINI ARGUS PROPANE FAR EAST IDX | | | | | | | | |
| JUN18 | | ---- | ---- | 560.558 | + 1.478 | ---- | ---- | 160 | UNCH |
| JUL18 | | ---- | ---- | 576.983 | + 8.240 | ---- | ---- | 60 | UNCH |
| AUG18 | | ---- | ---- | 574.983 | + 7.191 | ---- | ---- | 20 | UNCH |
| SEP18 | | ---- | ---- | 574.529 | + 6.222 | ---- | ---- | 10 | UNCH |
| JAN19 | | ---- | ---- | 571.730 | + 5.720 | ---- | ---- | 10 | UNCH |
| FEB19 | | ---- | ---- | 558.807 | + 4.050 | ---- | ---- | 10 | UNCH |
| MAR19 | | ---- | ---- | 532.624 | + 2.146 | ---- | ---- | 10 | UNCH |
| TOTAL MAE FUT | | | | | | | | 280 | |
| T0 FUT | MINI EU 1%FO BARGE FOB RDAM FUT | | | | | | | | |
| JUN18 | | ---- | ---- | 417.029 | + 0.879 | ---- | ---- | 7 | UNCH |
| OCT18 | | ---- | ---- | 421.499 | + 7.101 | ---- | ---- | 18 | UNCH |
| NOV18 | | ---- | ---- | 417.789 | + 7.375 | ---- | ---- | 18 | UNCH |
| DEC18 | | ---- | ---- | 414.062 | + 7.351 | ---- | ---- | 18 | UNCH |
| OCT19 | | ---- | ---- | 401.800 | + 6.750 | ---- | ---- | 3 | UNCH |
| NOV19 | | ---- | ---- | 403.425 | + 6.625 | ---- | ---- | 3 | UNCH |
| DEC19 | | ---- | ---- | 400.175 | + 6.375 | ---- | ---- | 3 | UNCH |
| TOTAL T0 FUT | | | | | | | | 70 | |
| 0B FUT | MINI EU 1%FO CARGO FOB NWE FUT | | | | | | | | |
| JUL18 | | ---- | ---- | 435.960 | + 6.712 | ---- | ---- | 14 | UNCH |
| TOTAL 0B FUT | | | | | | | | 14 | |
| 0E FUT | MINI EU 3.5%FO BARGE FOB RDAM BALMO | | | | | | | | |
| 04JUN18 | | ---- | ---- | 416.680 | + 1.247 | ---- | ---- | 10 | UNCH |
| TOTAL 0E FUT | | | | | | | | 10 | |
| 0D FUT | MINI EU 3.5%FO BARGE FOB RDAM FUT | | | | | | | | |
| JUN18 | | ---- | ---- | 416.731 | + 1.188 | ---- | ---- | 1374 | UNCH |
| JUL18 | | ---- | ---- | 430.710 | + 8.062 | ---- | 40 | 1374 | + 40 |
| AUG18 | | ---- | ---- | 427.485 | + 8.062 | ---- | ---- | 315 | UNCH |
| SEP18 | | ---- | ---- | 423.003 | + 7.895 | ---- | 10 | 308 | UNCH |
| OCT18 | | ---- | ---- | 418.457 | + 7.559 | ---- | ---- | 385 | UNCH |
| NOV18 | | ---- | ---- | 414.248 | + 7.601 | ---- | ---- | 339 | UNCH |
| DEC18 | | ---- | ---- | 410.353 | + 7.455 | ---- | ---- | 334 | UNCH |
| JAN19 | | ---- | ---- | 407.840 | + 7.434 | ---- | ---- | 104 | UNCH |
| FEB19 | | ---- | ---- | 404.698 | + 7.434 | ---- | ---- | 102 | UNCH |
| MAR19 | | ---- | ---- | 401.300 | + 7.500 | ---- | ---- | 98 | UNCH |
| APR19 | | ---- | ---- | 397.050 | + 7.375 | ---- | ---- | 74 | UNCH |
| MAY19 | | ---- | ---- | 391.800 | + 7.250 | ---- | ---- | 82 | UNCH |
| JUN19 | | ---- | ---- | 384.675 | + 7.125 | ---- | ---- | 85 | UNCH |
| JUL19 | | ---- | ---- | 374.425 | + 6.750 | ---- | ---- | 84 | UNCH |
| AUG19 | | ---- | ---- | 361.300 | + 6.875 | ---- | ---- | 86 | UNCH |
| SEP19 | | ---- | ---- | 345.050 | + 7.000 | ---- | ---- | 91 | UNCH |
| OCT19 | | ---- | ---- | 327.550 | + 6.750 | ---- | ---- | 74 | UNCH |
| NOV19 | | ---- | ---- | 311.050 | + 6.625 | ---- | ---- | 78 | UNCH |
| DEC19 | | ---- | ---- | 298.300 | + 6.375 | ---- | ---- | 67 | UNCH |
| JAN20 | | ---- | ---- | 286.425 | + 6.375 | ---- | ---- | 10 | UNCH |

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**FINAL**



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|---|---|---|---|---|---|---|---|---|---|
| 0D FUT | MINI EU 3.5%FO BARGE FOB RDAM FUT | | | | | | | | |
| FEB20 | ---- | ---- | 288.675 | + | 6.125 | ---- | ---- | 5 | UNCH |
| MAR20 | ---- | ---- | 290.925 | + | 5.875 | ---- | ---- | 5 | UNCH |
| APR20 | ---- | ---- | 293.300 | + | 5.750 | ---- | ---- | 15 | UNCH |
| MAY20 | ---- | ---- | 295.550 | + | 5.625 | ---- | ---- | 5 | UNCH |
| JUN20 | ---- | ---- | 297.800 | + | 5.500 | ---- | ---- | 5 | UNCH |
| JUL20 | ---- | ---- | 300.050 | + | 5.500 | ---- | ---- | 5 | UNCH |
| AUG20 | ---- | ---- | 302.175 | + | 5.375 | ---- | ---- | 5 | UNCH |
| SEP20 | ---- | ---- | 304.175 | + | 5.250 | ---- | ---- | 5 | UNCH |
| OCT20 | ---- | ---- | 306.050 | + | 5.375 | ---- | ---- | 15 | UNCH |
| NOV20 | ---- | ---- | 307.800 | + | 5.375 | ---- | ---- | 15 | UNCH |
| DEC20 | ---- | ---- | 309.550 | + | 5.375 | ---- | ---- | 15 | UNCH |
| TOTAL 0D FUT | | | | | | | 50 | 5559 | + 40 |
| MUD FUT | MINI EUR DIESEL10PPM VS ICE GS | | | | | | | | |
| JUN18 | ---- | ---- | 2.416 | - | 0.066 | ---- | ---- | 15 | UNCH |
| JUL18 | ---- | ---- | -0.916 | + | 0.042 | ---- | ---- | 15 | UNCH |
| AUG18 | ---- | ---- | -1.187 | + | 0.104 | ---- | ---- | 25 | UNCH |
| SEP18 | ---- | ---- | -1.187 | + | 0.188 | ---- | ---- | 25 | UNCH |
| OCT18 | ---- | ---- | -0.042 | - | 0.167 | ---- | ---- | 33 | UNCH |
| NOV18 | ---- | ---- | -0.041 | - | 0.166 | ---- | ---- | 23 | UNCH |
| DEC18 | ---- | ---- | -0.042 | - | 0.167 | ---- | ---- | 33 | UNCH |
| TOTAL MUD FUT | | | | | | | | 169 | |
| MEN FUT | MINI EURO NAPHTHA BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | 630.683 | + | 1.653 | ---- | ---- | 20 | UNCH |
| 05JUN18 | ---- | ---- | 630.404 | + | 1.741 | ---- | ---- | 345 | UNCH |
| 07JUN18 | ---- | ---- | 630.627 | + | 1.945 | ---- | ---- | 10 | UNCH |
| 08JUN18 | ---- | ---- | 630.104 | + | 2.066 | ---- | ---- | 75 | UNCH |
| 11JUN18 | ---- | ---- | 629.644 | + | 2.204 | ---- | ---- | 30 | UNCH |
| 15JUN18 | ---- | ---- | 625.788 | + | 3.006 | ---- | ---- | 185 | UNCH |
| 19JUN18 | ---- | ---- | 627.769 | + | 3.674 | ---- | ---- | 65 | UNCH |
| 21JUN18 | ---- | ---- | 630.024 | + | 4.724 | ---- | ---- | 55 | UNCH |
| TOTAL MEN FUT | | | | | | | | 785 | |
| MEO FUT | MINI GAS EUROBOB OXY BARGES | | | | | | | | |
| JUN18 | ---- | ---- | 706.557 | + | 2.180 | ---- | ---- | 2027 | UNCH |
| JUL18 | ---- | ---- | 715.219 | + | 17.703 | ---- | 150 | 2018 | + 110 |
| AUG18 | ---- | ---- | 711.206 | + | 16.642 | ---- | ---- | 155 | UNCH |
| SEP18 | ---- | ---- | 706.703 | + | 15.821 | ---- | ---- | 445 | UNCH |
| OCT18 | ---- | ---- | 680.072 | + | 15.209 | ---- | ---- | 133 | UNCH |
| NOV18 | ---- | ---- | 672.726 | + | 15.206 | ---- | ---- | 48 | UNCH |
| DEC18 | ---- | ---- | 668.883 | + | 14.788 | ---- | ---- | 48 | UNCH |
| JAN19 | ---- | ---- | 669.061 | + | 14.531 | ---- | ---- | 10 | UNCH |
| FEB19 | ---- | ---- | 670.365 | + | 14.623 | ---- | ---- | 10 | UNCH |
| MAR19 | ---- | ---- | 671.745 | + | 14.347 | ---- | ---- | 10 | UNCH |
| MAY19 | ---- | ---- | 705.527 | + | 12.787 | ---- | ---- | 30 | UNCH |
| JAN20 | ---- | ---- | 644.466 | + | 6.625 | ---- | ---- | 30 | UNCH |
| TOTAL MEO FUT | | | | | | | 150 | 4964 | + 110 |
| MEB FUT | MINI GAS EUROBOB OXY NWE ARGS BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | 705.297 | + | 2.289 | ---- | ---- | 25 | UNCH |
| 05JUN18 | ---- | ---- | 704.313 | + | 2.410 | ---- | ---- | 26 | UNCH |
| 06JUN18 | ---- | ---- | 703.636 | + | 2.543 | ---- | ---- | 55 | UNCH |
| 07JUN18 | ---- | ---- | 703.173 | + | 2.693 | ---- | ---- | 75 | UNCH |
| 08JUN18 | ---- | ---- | 702.856 | + | 2.861 | ---- | ---- | 38 | UNCH |
| 11JUN18 | ---- | ---- | 701.896 | + | 3.052 | ---- | ---- | 21 | UNCH |
| 13JUN18 | ---- | ---- | 700.015 | + | 3.522 | ---- | ---- | 55 | UNCH |
| 14JUN18 | ---- | ---- | 699.474 | + | 3.814 | ---- | ---- | 10 | UNCH |
| 18JUN18 | ---- | ---- | 698.444 | + | 4.577 | ---- | ---- | 7 | UNCH |
| 19JUN18 | ---- | ---- | 700.216 | + | 5.087 | ---- | ---- | 21 | UNCH |
| 20JUN18 | ---- | ---- | 701.430 | + | 5.722 | ---- | ---- | 23 | UNCH |
| 22JUN18 | ---- | ---- | 706.032 | + | 7.629 | ---- | ---- | 25 | UNCH |
| 25JUN18 | ---- | ---- | 709.738 | + | 9.155 | ---- | ---- | 25 | UNCH |
| 27JUN18 | ---- | ---- | 717.897 | + | 15.259 | ---- | ---- | 5 | UNCH |
| TOTAL MEB FUT | | | | | | | | 411 | |
| E6M FUT | MINI JAPAN NAPHTHA BALMO FUT | | | | | | | | |
| 05JUN18 | ---- | ---- | 639.859 | + | 1.333 | ---- | ---- | 20 | UNCH |
| TOTAL E6M FUT | | | | | | | | 20 | |
| MXB FUT | MINI RBOB V. EBOB(ARGUS) NWE BRGS | | | | | | | | |
| JUN18 | ---- | ---- | 0.0677 | + | 0.0022 | ---- | ---- | 671 | UNCH |
| JUL18 | ---- | ---- | 0.0660 | + | 0.0030 | ---- | 30 | 1104 | UNCH |
| AUG18 | ---- | ---- | 0.0574 | + | 0.0031 | ---- | ---- | 60 | UNCH |
| SEP18 | ---- | ---- | -0.0422 | + | 0.0013 | ---- | ---- | 10 | UNCH |
| OCT18 | ---- | ---- | 0.0069 | + | 0.0003 | ---- | ---- | 229 | UNCH |
| NOV18 | ---- | ---- | 0.0111 | - | 0.0024 | ---- | ---- | 229 | UNCH |
| DEC18 | ---- | ---- | 0.0195 | - | 0.0034 | ---- | ---- | 229 | UNCH |
| APR19 | ---- | ---- | 0.0979 | - | 0.0013 | ---- | ---- | 36 | UNCH |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|
| MXB FUT | MINI RBOB V. EBOB(ARGUS) NWE BRGS | | | | | | | | | |
| MAY19 | | ---- | ---- | 0.0839 | - | 0.0005 | ---- | ---- | 36 | UNCH |
| JUN19 | | ---- | ---- | 0.0694 | - | 0.0008 | ---- | ---- | 36 | UNCH |
| TOTAL MXB FUT | | | | | | | | 30 | 2640 | |
| MXR FUT | MINI RBOB V. EBOBARG NWE BRGS BALMO | | | | | | | | | |
| 04JUN18 | | ---- | ---- | 0.0685 | + | 0.0023 | ---- | ---- | 36 | UNCH |
| 05JUN18 | | ---- | ---- | 0.0693 | + | 0.0024 | ---- | ---- | 60 | UNCH |
| 06JUN18 | | ---- | ---- | 0.0699 | + | 0.0025 | ---- | ---- | 60 | UNCH |
| 07JUN18 | | ---- | ---- | 0.0719 | + | 0.0027 | ---- | ---- | 150 | UNCH |
| 12JUN18 | | ---- | ---- | 0.0715 | + | 0.0033 | ---- | ---- | 42 | UNCH |
| 13JUN18 | | ---- | ---- | 0.0734 | + | 0.0036 | ---- | ---- | 48 | UNCH |
| 19JUN18 | | ---- | ---- | 0.0732 | + | 0.0052 | ---- | ---- | 50 | UNCH |
| TOTAL MXR FUT | | | | | | | | | 446 | |
| MTS FUT | MINI SINGAPORE 380CST FUEL OIL | | | | | | | | | |
| JUN18 | | ---- | ---- | 439.259 | + | 1.043 | ---- | ---- | 1755 | UNCH |
| JUL18 | | ---- | ---- | 451.960 | + | 8.562 | ---- | 113 | 1797 | + 72 |
| AUG18 | | ---- | ---- | 445.435 | + | 8.292 | ---- | 99 | 630 | + 37 |
| SEP18 | | ---- | ---- | 440.003 | + | 8.173 | ---- | 3 | 437 | - 3 |
| OCT18 | | ---- | ---- | 435.952 | + | 7.906 | ---- | 11 | 437 | + 11 |
| NOV18 | | ---- | ---- | 432.623 | + | 7.976 | ---- | 5 | 196 | + 5 |
| DEC18 | | ---- | ---- | 429.478 | + | 8.025 | ---- | ---- | 222 | UNCH |
| JAN19 | | ---- | ---- | 425.840 | + | 7.539 | ---- | ---- | 240 | UNCH |
| FEB19 | | ---- | ---- | 422.623 | + | 7.559 | ---- | ---- | 146 | UNCH |
| MAR19 | | ---- | ---- | 419.300 | + | 7.750 | ---- | 15 | 174 | + 15 |
| APR19 | | ---- | ---- | 415.425 | + | 7.305 | ---- | ---- | 201 | UNCH |
| MAY19 | | ---- | ---- | 411.175 | + | 7.580 | ---- | ---- | 202 | UNCH |
| JUN19 | | ---- | ---- | 405.400 | + | 7.575 | ---- | ---- | 240 | UNCH |
| JUL19 | | ---- | ---- | 396.675 | + | 7.000 | ---- | 6 | 169 | + 6 |
| AUG19 | | ---- | ---- | 385.300 | + | 7.125 | ---- | ---- | 143 | UNCH |
| SEP19 | | ---- | ---- | 371.000 | + | 7.450 | ---- | ---- | 139 | UNCH |
| OCT19 | | ---- | ---- | 354.050 | + | 6.750 | ---- | ---- | 91 | UNCH |
| NOV19 | | ---- | ---- | 336.300 | + | 6.625 | ---- | ---- | 91 | UNCH |
| DEC19 | | ---- | ---- | 320.300 | + | 6.375 | ---- | ---- | 97 | UNCH |
| JAN20 | | ---- | ---- | 303.925 | + | 6.375 | ---- | ---- | 19 | UNCH |
| FEB20 | | ---- | ---- | 304.925 | + | 6.125 | ---- | ---- | 15 | UNCH |
| MAR20 | | ---- | ---- | 306.175 | + | 5.875 | ---- | ---- | 15 | UNCH |
| APR20 | | ---- | ---- | 308.307 | + | 5.802 | ---- | ---- | 5 | UNCH |
| MAY20 | | ---- | ---- | 310.438 | + | 5.728 | ---- | ---- | 5 | UNCH |
| JUN20 | | ---- | ---- | 311.756 | + | 5.718 | ---- | ---- | 5 | UNCH |
| JUL20 | | ---- | ---- | 313.073 | + | 5.707 | ---- | ---- | 5 | UNCH |
| AUG20 | | ---- | ---- | 314.390 | + | 5.696 | ---- | ---- | 5 | UNCH |
| SEP20 | | ---- | ---- | 315.707 | + | 5.685 | ---- | ---- | 5 | UNCH |
| TOTAL MTS FUT | | | | | | | | 252 | 7486 | + 143 |
| 5L FUT | MINI SINGAPORE FO 180 CST BALMO FUT | | | | | | | | | |
| 05JUN18 | | ---- | ---- | 448.669 | + | 1.074 | ---- | ---- | 30 | UNCH |
| 08JUN18 | | ---- | ---- | 448.517 | + | 1.289 | ---- | ---- | 40 | UNCH |
| TOTAL 5L FUT | | | | | | | | | 70 | |
| 0F FUT | MINI SINGAPORE FO 180 CST FUT | | | | | | | | | |
| JUN18 | | ---- | ---- | 449.474 | + | 0.967 | ---- | ---- | 484 | UNCH |
| JUL18 | | ---- | ---- | 460.460 | + | 8.062 | ---- | 11 | 308 | + 11 |
| AUG18 | | ---- | ---- | 454.685 | + | 7.792 | ---- | 10 | 121 | UNCH |
| SEP18 | | ---- | ---- | 449.878 | + | 7.860 | ---- | ---- | 101 | UNCH |
| OCT18 | | ---- | ---- | 446.077 | + | 7.469 | ---- | ---- | 16 | UNCH |
| NOV18 | | ---- | ---- | 442.873 | + | 7.601 | ---- | ---- | 16 | UNCH |
| DEC18 | | ---- | ---- | 439.728 | + | 7.525 | ---- | ---- | 20 | UNCH |
| JUL19 | | ---- | ---- | 410.675 | + | 6.750 | ---- | ---- | 5 | UNCH |
| AUG19 | | ---- | ---- | 400.800 | + | 7.375 | ---- | ---- | 5 | UNCH |
| SEP19 | | ---- | ---- | 388.300 | + | 7.750 | ---- | ---- | 5 | UNCH |
| OCT19 | | ---- | ---- | 374.050 | + | 7.000 | ---- | ---- | 15 | UNCH |
| NOV19 | | ---- | ---- | 357.300 | + | 6.875 | ---- | ---- | 15 | UNCH |
| DEC19 | | ---- | ---- | 342.300 | + | 6.625 | ---- | ---- | 15 | UNCH |
| JAN20 | | ---- | ---- | 327.175 | + | 6.375 | ---- | ---- | 25 | UNCH |
| FEB20 | | ---- | ---- | 328.175 | + | 6.125 | ---- | ---- | 25 | UNCH |
| MAR20 | | ---- | ---- | 329.425 | + | 5.875 | ---- | ---- | 25 | UNCH |
| TOTAL 0F FUT | | | | | | | | 21 | 1201 | + 11 |
| MSG FUT | MINI SINGAPORE GASOIL PLATS FUT | | | | | | | | | |
| JUN18 | | ---- | ---- | 87.178 | + | 0.005 | ---- | ---- | 90 | UNCH |
| JUL18 | | ---- | ---- | 88.181 | + | 2.853 | ---- | 10 | 30 | - 10 |
| TOTAL MSG FUT | | | | | | | | 10 | 120 | - 10 |
| 1N FUT | MOGAS92 UNLEADED (PLATTS) | | | | | | | | | |
| JUN18 | | ---- | ---- | 81.574 | + | 0.154 | ---- | ---- | 4497 | UNCH |
| JUL18 | | ---- | ---- | 82.361 | + | 1.842 | ---- | 600 | 3327 | + 550 |
| AUG18 | | ---- | ---- | 82.089 | + | 1.828 | ---- | 100 | 1555 | + 100 |
| SEP18 | | ---- | ---- | 81.764 | + | 1.725 | ---- | 50 | 2138 | + 50 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1N FUT | MOGAS92 UNLEADED (PLATTS) | | | | | | | | | |
| OCT18 | | ---- | ---- | 81.488 | + | 1.727 | ---- | ---- | 2040 | UNCH |
| NOV18 | | ---- | ---- | 81.272 | + | 1.769 | ---- | ---- | 700 | UNCH |
| DEC18 | | ---- | ---- | 81.047 | + | 1.779 | ---- | ---- | 1445 | UNCH |
| JAN19 | | ---- | ---- | 81.098 | + | 1.821 | ---- | ---- | 100 | UNCH |
| TOTAL 1N FUT | | | | | | | | 750 | 15802 | + 700 |
| 1P FUT | MOGAS92 UNLEADED (PLTS) BLM SW | | | | | | | | | |
| 07JUN18 | | ---- | ---- | 80.972 | + | 0.193 | ---- | ---- | 50 | UNCH |
| 14JUN18 | | ---- | ---- | 80.176 | + | 0.281 | ---- | ---- | 150 | UNCH |
| TOTAL 1P FUT | | | | | | | | | 200 | |
| 51 FUT | MT BELV LDH PROPN VS EUR CIF ARA SW | | | | | | | | | |
| JUN18 | | ---- | ---- | -65.589 | | UNCH | ---- | ---- | 20 | UNCH |
| OCT18 | | ---- | ---- | -66.051 | + | 5.155 | ---- | ---- | 1 | UNCH |
| NOV18 | | ---- | ---- | -67.024 | + | 5.329 | ---- | ---- | 1 | UNCH |
| DEC18 | | ---- | ---- | -65.504 | + | 5.361 | ---- | ---- | 1 | UNCH |
| TOTAL 51 FUT | | | | | | | | | 23 | |
| MBL FUT | MT BELVIEU LDH ISO-BUTANE(OPIS) | | | | | | | | | |
| JUN18 | | ---- | ---- | 1.32262 | - | 0.00244 | ---- | ---- | 2 | UNCH |
| JUL18 | | ---- | ---- | 1.12625 | + | 0.02125 | ---- | ---- | 2 | UNCH |
| AUG18 | | ---- | ---- | 1.07875 | + | 0.02625 | ---- | ---- | 2 | UNCH |
| OCT18 | | ---- | ---- | 1.05625 | + | 0.02625 | ---- | ---- | 5 | UNCH |
| NOV18 | | ---- | ---- | 1.05500 | + | 0.02625 | ---- | ---- | 5 | UNCH |
| DEC18 | | ---- | ---- | 1.05250 | + | 0.02625 | ---- | ---- | 5 | UNCH |
| JAN19 | | ---- | ---- | 1.04000 | + | 0.02875 | ---- | ---- | 5 | UNCH |
| FEB19 | | ---- | ---- | 1.02000 | + | 0.02750 | ---- | ---- | 5 | UNCH |
| MAR19 | | ---- | ---- | 0.95125 | + | 0.02500 | ---- | ---- | 5 | UNCH |
| TOTAL MBL FUT | | | | | | | | | 36 | |
| NOB FUT | NAPHTHA (PLATTS) NWE CRACK | | | | | | | | | |
| JUN18 | | ---- | ---- | -4.863 | - | 0.010 | ---- | ---- | 365 | UNCH |
| JUL18 | | ---- | ---- | -5.089 | - | 0.114 | ---- | 12 | 358 | - 9 |
| AUG18 | | ---- | ---- | -4.997 | - | 0.139 | ---- | 10 | 125 | + 3 |
| SEP18 | | ---- | ---- | -4.971 | - | 0.193 | ---- | 5 | 114 | - 5 |
| OCT18 | | ---- | ---- | -4.913 | - | 0.239 | ---- | 20 | 167 | + 20 |
| NOV18 | | ---- | ---- | -4.863 | - | 0.236 | ---- | 20 | 144 | + 20 |
| DEC18 | | ---- | ---- | -4.762 | - | 0.187 | ---- | 20 | 149 | + 20 |
| JAN19 | | ---- | ---- | -4.703 | - | 0.154 | ---- | ---- | 97 | UNCH |
| FEB19 | | ---- | ---- | -4.846 | - | 0.122 | ---- | ---- | 97 | UNCH |
| MAR19 | | ---- | ---- | -5.068 | - | 0.108 | ---- | ---- | 97 | UNCH |
| APR19 | | ---- | ---- | -5.308 | - | 0.092 | ---- | ---- | 22 | UNCH |
| MAY19 | | ---- | ---- | -5.531 | - | 0.097 | ---- | ---- | 22 | UNCH |
| JUN19 | | ---- | ---- | -5.708 | - | 0.100 | ---- | ---- | 22 | UNCH |
| JUL19 | | ---- | ---- | -5.820 | - | 0.103 | ---- | ---- | 17 | UNCH |
| AUG19 | | ---- | ---- | -5.923 | - | 0.114 | ---- | ---- | 17 | UNCH |
| SEP19 | | ---- | ---- | -6.006 | - | 0.119 | ---- | ---- | 17 | UNCH |
| OCT19 | | ---- | ---- | -6.006 | - | 0.103 | ---- | ---- | 23 | UNCH |
| NOV19 | | ---- | ---- | -6.065 | - | 0.147 | ---- | ---- | 23 | UNCH |
| DEC19 | | ---- | ---- | -6.160 | - | 0.131 | ---- | ---- | 23 | UNCH |
| JAN20 | | ---- | ---- | -6.210 | - | 0.066 | ---- | ---- | 1 | UNCH |
| FEB20 | | ---- | ---- | -6.303 | - | 0.025 | ---- | ---- | 1 | UNCH |
| MAR20 | | ---- | ---- | -6.472 | - | 0.013 | ---- | ---- | 1 | UNCH |
| APR20 | | ---- | ---- | -6.688 | + | 0.008 | ---- | ---- | 1 | UNCH |
| MAY20 | | ---- | ---- | -6.875 | - | 0.028 | ---- | ---- | 1 | UNCH |
| JUN20 | | ---- | ---- | -7.007 | - | 0.054 | ---- | ---- | 1 | UNCH |
| JUL20 | | ---- | ---- | -7.053 | - | 0.061 | ---- | ---- | 1 | UNCH |
| AUG20 | | ---- | ---- | -7.054 | - | 0.050 | ---- | ---- | 1 | UNCH |
| SEP20 | | ---- | ---- | -7.000 | - | 0.001 | ---- | ---- | 1 | UNCH |
| OCT20 | | ---- | ---- | -6.934 | - | 0.018 | ---- | ---- | 1 | UNCH |
| NOV20 | | ---- | ---- | -6.955 | - | 0.064 | ---- | ---- | 1 | UNCH |
| DEC20 | | ---- | ---- | -6.994 | - | 0.101 | ---- | ---- | 1 | UNCH |
| TOTAL NOB FUT | | | | | | | | 87 | 1911 | + 49 |
| NBB FUT | NAPHTHA (PLATTS) NWE CRACK BALMO SW | | | | | | | | | |
| 04JUN18 | | ---- | ---- | -4.926 | - | 0.012 | ---- | ---- | 10 | UNCH |
| 06JUN18 | | ---- | ---- | -5.003 | - | 0.013 | ---- | ---- | 10 | UNCH |
| TOTAL NBB FUT | | | | | | | | | 20 | |
| UT FUT | NO 2 UP-DOWN SPREAD CALENDAR | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.1885 | - | 0.0002 | ---- | ---- | 363 | UNCH |
| JUL18 | | ---- | ---- | -0.1832 | + | 0.0018 | ---- | ---- | 100 | UNCH |
| TOTAL UT FUT | | | | | | | | | 463 | |
| 88 FUT | NWE EUR FUEL OIL HGHLOW SULF BALMO | | | | | | | | | |
| 12JUN18 | | ---- | ---- | 8.108 | - | 0.178 | ---- | ---- | 5 | UNCH |
| 18JUN18 | | ---- | ---- | 8.250 | - | 0.250 | ---- | ---- | 5 | UNCH |
| TOTAL 88 FUT | | | | | | | | | 10 | |
| FOC FUT | NY 3% FUEL OIL V GULF COAST NO6 3% | | | | | | | | | |
| JUN18 | | ---- | ---- | 0.994 | - | 0.031 | ---- | ---- | 25 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|---|
| FOC FUT | NY 3% FUEL OIL V GULF COAST NO6 3% | | | | | | | | | |
| JUL18 | | ---- | ---- | -0.263 | - | 0.963 | ---- | ---- | 350 | UNCH |
| AUG18 | | ---- | ---- | 0.658 | - | 0.042 | ---- | ---- | 100 | UNCH |
| SEP18 | | ---- | ---- | 0.658 | - | 0.042 | ---- | ---- | 100 | UNCH |
| OCT18 | | ---- | ---- | 0.859 | + | 0.159 | ---- | ---- | 50 | UNCH |
| NOV18 | | ---- | ---- | 0.825 | + | 0.158 | ---- | ---- | 50 | UNCH |
| DEC18 | | ---- | ---- | 0.825 | + | 0.158 | ---- | ---- | 50 | UNCH |
| TOTAL FOC FUT | | | | | | | | | 725 | |
| H1 FUT | NY 3.0% FUEL OIL (PLATTS) | | | | | | | | | |
| JUN18 | | ---- | ---- | 65.372 | + | 0.194 | ---- | ---- | 25 | UNCH |
| JUL18 | | ---- | ---- | 67.104 | + | 0.454 | ---- | ---- | 50 | UNCH |
| AUG18 | | ---- | ---- | 66.875 | + | 1.175 | ---- | ---- | 50 | UNCH |
| SEP18 | | ---- | ---- | 66.225 | + | 1.175 | ---- | ---- | 50 | UNCH |
| TOTAL H1 FUT | | | | | | | | | 175 | |
| JTB FUT | NY BUCKEYE JET FUEL V. NY HR BALMO | | | | | | | | | |
| 04JUN18 | | ---- | ---- | -0.0121 | | UNCH | ---- | ---- | 75 | UNCH |
| 06JUN18 | | ---- | ---- | -0.0144 | | UNCH | ---- | ---- | 150 | UNCH |
| 07JUN18 | | ---- | ---- | -0.0151 | | UNCH | ---- | ---- | 200 | UNCH |
| 12JUN18 | | ---- | ---- | -0.0178 | | UNCH | ---- | ---- | 50 | UNCH |
| 15JUN18 | | ---- | ---- | -0.0158 | | UNCH | ---- | ---- | 100 | UNCH |
| 25JUN18 | | ---- | ---- | -0.0107 | | UNCH | ---- | ---- | 50 | UNCH |
| TOTAL JTB FUT | | | | | | | | | 625 | |
| JET FUT | NY BUCKEYE JET FUEL VS NY HARB ULSD | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.0110 | | UNCH | ---- | ---- | 550 | UNCH |
| JUL18 | | ---- | ---- | -0.0075 | + | 0.0025 | ---- | 25 | 750 | UNCH |
| OCT18 | | ---- | ---- | -0.0350 | + | 0.0050 | ---- | ---- | 325 | UNCH |
| NOV18 | | ---- | ---- | -0.0350 | + | 0.0050 | ---- | ---- | 325 | UNCH |
| DEC18 | | ---- | ---- | -0.0350 | + | 0.0050 | ---- | ---- | 325 | UNCH |
| TOTAL JET FUT | | | | | | | | 25 | 2275 | |
| NLS FUT | NY HARBOR LOW SULPUR GAS 1000MBBL | | | | | | | | | |
| JUN18 | | ---- | ---- | 0.0428 | - | 0.0033 | ---- | ---- | 215 | UNCH |
| JUL18 | | ---- | ---- | 0.0491 | - | 0.0235 | ---- | ---- | 40 | UNCH |
| AUG18 | | ---- | ---- | 0.0495 | - | 0.0246 | ---- | ---- | 40 | UNCH |
| SEP18 | | ---- | ---- | 0.0500 | - | 0.0255 | ---- | ---- | 40 | UNCH |
| OCT18 | | ---- | ---- | 0.0569 | - | 0.0255 | ---- | ---- | 65 | UNCH |
| NOV18 | | ---- | ---- | 0.0666 | - | 0.0257 | ---- | ---- | 65 | UNCH |
| DEC18 | | ---- | ---- | 0.0722 | - | 0.0262 | ---- | ---- | 50 | UNCH |
| TOTAL NLS FUT | | | | | | | | | 515 | |
| MM FUT | NY HARBOR RESIDUAL FUEL 1.0% S | | | | | | | | | |
| JUN18 | | ---- | ---- | 66.12 | + | 0.19 | ---- | ---- | 518 | UNCH |
| JUL18 | | ---- | ---- | 69.33 | + | 1.40 | ---- | 45 | 439 | + 5 |
| AUG18 | | ---- | ---- | 68.27 | + | 1.27 | ---- | ---- | 276 | UNCH |
| SEP18 | | ---- | ---- | 67.60 | + | 1.20 | ---- | 20 | 82 | + 20 |
| OCT18 | | ---- | ---- | 67.05 | + | 1.18 | ---- | ---- | 50 | UNCH |
| NOV18 | | ---- | ---- | 66.53 | + | 1.15 | ---- | ---- | 50 | UNCH |
| JAN19 | | ---- | ---- | 65.92 | + | 1.12 | ---- | ---- | 400 | UNCH |
| FEB19 | | ---- | ---- | 65.37 | + | 1.12 | ---- | ---- | 225 | UNCH |
| MAR19 | | ---- | ---- | 64.80 | + | 1.15 | ---- | ---- | 50 | UNCH |
| TOTAL MM FUT | | | | | | | | 65 | 2090 | + 25 |
| 7Y FUT | NY ULSD(ARGUS) VS HO SPREAD | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.0018 | + | 0.0001 | ---- | ---- | 35 | UNCH |
| JUL18 | | ---- | ---- | -0.0020 | + | 0.0005 | ---- | ---- | 34 | UNCH |
| AUG18 | | ---- | ---- | -0.0045 | + | 0.0005 | ---- | ---- | 41 | UNCH |
| SEP18 | | ---- | ---- | 0.0031 | + | 0.0005 | ---- | ---- | 50 | UNCH |
| OCT18 | | ---- | ---- | 0.0032 | + | 0.0005 | ---- | ---- | 44 | UNCH |
| NOV18 | | ---- | ---- | 0.0037 | + | 0.0005 | ---- | ---- | 34 | UNCH |
| DEC18 | | ---- | ---- | 0.0037 | + | 0.0005 | ---- | ---- | 30 | UNCH |
| JAN19 | | ---- | ---- | 0.0038 | + | 0.0005 | ---- | ---- | 1 | UNCH |
| FEB19 | | ---- | ---- | 0.0038 | + | 0.0005 | ---- | ---- | 1 | UNCH |
| APR19 | | ---- | ---- | 0.0038 | + | 0.0005 | ---- | ---- | 1 | UNCH |
| MAY19 | | ---- | ---- | 0.0038 | + | 0.0005 | ---- | ---- | 1 | UNCH |
| TOTAL 7Y FUT | | | | | | | | | 272 | |
| VR FUT | NY1% VS GC SPREAD | | | | | | | | | |
| JUN18 | | ---- | ---- | 1.740 | - | 0.032 | ---- | ---- | 367 | UNCH |
| JUL18 | | ---- | ---- | 1.966 | - | 0.017 | ---- | 100 | 1527 | + 100 |
| AUG18 | | ---- | ---- | 2.050 | + | 0.050 | ---- | ---- | 270 | UNCH |
| SEP18 | | ---- | ---- | 2.033 | - | 0.017 | ---- | ---- | 180 | UNCH |
| OCT18 | | ---- | ---- | 2.067 | | UNCH | ---- | ---- | 155 | UNCH |
| NOV18 | | ---- | ---- | 2.066 | - | 0.034 | ---- | ---- | 155 | UNCH |
| DEC18 | | ---- | ---- | 2.066 | - | 0.068 | ---- | ---- | 565 | UNCH |
| JAN19 | | ---- | ---- | 2.200 | - | 0.067 | ---- | ---- | 190 | UNCH |
| FEB19 | | ---- | ---- | 2.150 | - | 0.067 | ---- | ---- | 310 | UNCH |
| MAR19 | | ---- | ---- | 2.133 | - | 0.067 | ---- | ---- | 190 | UNCH |
| TOTAL VR FUT | | | | | | | | 100 | 3909 | + 100 |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| HK FUT | NYH NO 2 CRACK SPREAD CAL | | | | | | | | |
| JUN18 | ---- | ---- | 22.80 | - | 0.02 | ---- | ---- | 325 | UNCH |
| JUL18 | ---- | ---- | 19.28 | - | 0.18 | ---- | ---- | 447 | UNCH |
| AUG18 | ---- | ---- | 20.96 | | UNCH | ---- | ---- | 447 | UNCH |
| SEP18 | ---- | ---- | 22.27 | + | 0.11 | ---- | ---- | 447 | UNCH |
| OCT18 | ---- | ---- | 23.19 | + | 0.25 | ---- | ---- | 215 | UNCH |
| NOV18 | ---- | ---- | 24.04 | + | 0.41 | ---- | ---- | 215 | UNCH |
| DEC18 | ---- | ---- | 24.80 | + | 0.47 | ---- | ---- | 215 | UNCH |
| JAN19 | ---- | ---- | 25.29 | + | 0.52 | ---- | ---- | 267 | UNCH |
| FEB19 | ---- | ---- | 25.47 | + | 0.54 | ---- | ---- | 267 | UNCH |
| MAR19 | ---- | ---- | 25.38 | + | 0.58 | ---- | ---- | 267 | UNCH |
| APR19 | ---- | ---- | 25.45 | + | 0.58 | ---- | ---- | 257 | UNCH |
| MAY19 | ---- | ---- | 25.74 | + | 0.60 | ---- | ---- | 257 | UNCH |
| JUN19 | ---- | ---- | 26.40 | + | 0.63 | ---- | ---- | 257 | UNCH |
| JUL19 | ---- | ---- | 27.05 | + | 0.68 | ---- | ---- | 145 | UNCH |
| AUG19 | ---- | ---- | 27.84 | + | 0.75 | ---- | ---- | 145 | UNCH |
| SEP19 | ---- | ---- | 28.34 | + | 0.78 | ---- | ---- | 145 | UNCH |
| OCT19 | ---- | ---- | 28.89 | + | 0.82 | ---- | ---- | 145 | UNCH |
| NOV19 | ---- | ---- | 29.58 | + | 0.85 | ---- | ---- | 145 | UNCH |
| DEC19 | ---- | ---- | 30.60 | + | 0.86 | ---- | ---- | 145 | UNCH |
| TOTAL HK FUT | | | | | | | | 4753 | |
| BH FUT | NYMEX HEATING OIL FUTURES | | | | | | | | |
| JUL18 | ---- | ---- | 2.1772 | + | 0.0482 | ---- | ---- | 19 | UNCH |
| AUG18 | ---- | ---- | 2.1796 | + | 0.0471 | ---- | ---- | 19 | UNCH |
| SEP18 | ---- | ---- | 2.1851 | + | 0.0457 | ---- | ---- | 19 | UNCH |
| OCT18 | ---- | ---- | 2.1904 | + | 0.0443 | ---- | ---- | 19 | UNCH |
| NOV18 | ---- | ---- | 2.1958 | + | 0.0435 | ---- | ---- | 19 | UNCH |
| DEC18 | ---- | ---- | 2.2006 | + | 0.0425 | ---- | ---- | 19 | UNCH |
| JAN19 | ---- | ---- | 2.2057 | + | 0.0412 | ---- | ---- | 9 | UNCH |
| FEB19 | ---- | ---- | 2.2043 | + | 0.0395 | ---- | ---- | 9 | UNCH |
| MAR19 | ---- | ---- | 2.1970 | + | 0.0379 | ---- | ---- | 9 | UNCH |
| APR19 | ---- | ---- | 2.1837 | + | 0.0372 | ---- | ---- | 9 | UNCH |
| MAY19 | ---- | ---- | 2.1763 | + | 0.0365 | ---- | ---- | 9 | UNCH |
| JUN19 | ---- | ---- | 2.1734 | + | 0.0358 | ---- | ---- | 9 | UNCH |
| JUL19 | ---- | ---- | 2.1791 | + | 0.0354 | ---- | ---- | 9 | UNCH |
| AUG19 | ---- | ---- | 2.1855 | + | 0.0354 | ---- | ---- | 9 | UNCH |
| SEP19 | ---- | ---- | 2.1954 | + | 0.0356 | ---- | ---- | 9 | UNCH |
| OCT19 | ---- | ---- | 2.2004 | + | 0.0353 | ---- | ---- | 9 | UNCH |
| NOV19 | ---- | ---- | 2.2065 | + | 0.0354 | ---- | ---- | 9 | UNCH |
| DEC19 | ---- | ---- | 2.2159 | + | 0.0353 | ---- | ---- | 9 | UNCH |
| TOTAL BH FUT | | | | | | | | 222 | |
| MP FUT | NYMEX NY HARBOR HEAT OIL CLNDR | | | | | | | | |
| JUN18 | ---- | ---- | 2.1434 | + | 0.0069 | ---- | ---- | 826 | UNCH |
| JUL18 | ---- | ---- | 2.1796 | + | 0.0471 | ---- | ---- | 663 | UNCH |
| AUG18 | ---- | ---- | 2.1851 | + | 0.0457 | ---- | ---- | 637 | UNCH |
| SEP18 | ---- | ---- | 2.1904 | + | 0.0443 | ---- | ---- | 584 | UNCH |
| OCT18 | ---- | ---- | 2.1958 | + | 0.0435 | ---- | ---- | 495 | UNCH |
| NOV18 | ---- | ---- | 2.2006 | + | 0.0425 | ---- | ---- | 498 | UNCH |
| DEC18 | ---- | ---- | 2.2057 | + | 0.0412 | ---- | ---- | 498 | UNCH |
| JAN19 | ---- | ---- | 2.2043 | + | 0.0395 | ---- | 29 | 288 | - 20 |
| FEB19 | ---- | ---- | 2.1970 | + | 0.0379 | ---- | 29 | 289 | - 20 |
| MAR19 | ---- | ---- | 2.1837 | + | 0.0372 | ---- | 29 | 287 | - 20 |
| APR19 | ---- | ---- | 2.1763 | + | 0.0365 | ---- | 29 | 157 | + 19 |
| MAY19 | ---- | ---- | 2.1734 | + | 0.0358 | ---- | 29 | 157 | + 19 |
| JUN19 | ---- | ---- | 2.1791 | + | 0.0354 | ---- | 29 | 159 | + 19 |
| JUL19 | ---- | ---- | 2.1855 | + | 0.0354 | ---- | ---- | 69 | UNCH |
| AUG19 | ---- | ---- | 2.1954 | + | 0.0356 | ---- | ---- | 69 | UNCH |
| SEP19 | ---- | ---- | 2.2004 | + | 0.0353 | ---- | ---- | 69 | UNCH |
| OCT19 | ---- | ---- | 2.2065 | + | 0.0354 | ---- | ---- | 69 | UNCH |
| NOV19 | ---- | ---- | 2.2159 | + | 0.0353 | ---- | ---- | 69 | UNCH |
| DEC19 | ---- | ---- | 2.2320 | + | 0.0349 | ---- | ---- | 69 | UNCH |
| JAN20 | ---- | ---- | 2.2338 | + | 0.0342 | ---- | ---- | 116 | UNCH |
| FEB20 | ---- | ---- | 2.2235 | + | 0.0335 | ---- | ---- | 116 | UNCH |
| MAR20 | ---- | ---- | 2.2054 | + | 0.0328 | ---- | ---- | 116 | UNCH |
| APR20 | ---- | ---- | 2.1901 | + | 0.0321 | ---- | ---- | 116 | UNCH |
| MAY20 | ---- | ---- | 2.1799 | + | 0.0314 | ---- | ---- | 116 | UNCH |
| JUN20 | ---- | ---- | 2.1761 | + | 0.0308 | ---- | ---- | 116 | UNCH |
| JUL20 | ---- | ---- | 2.1722 | + | 0.0301 | ---- | ---- | 116 | UNCH |
| AUG20 | ---- | ---- | 2.1673 | + | 0.0294 | ---- | ---- | 116 | UNCH |
| SEP20 | ---- | ---- | 2.1604 | + | 0.0287 | ---- | ---- | 116 | UNCH |
| OCT20 | ---- | ---- | 2.1526 | + | 0.0280 | ---- | ---- | 116 | UNCH |
| NOV20 | ---- | ---- | 2.1454 | + | 0.0273 | ---- | ---- | 116 | UNCH |
| DEC20 | ---- | ---- | 2.1484 | + | 0.0270 | ---- | ---- | 116 | UNCH |
| TOTAL MP FUT | | | | | | | 174 | 7344 | - 3 |
| RT FUT | NYMEX RBOB GASOLINE FUTURES | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| JUL18 | ---- | ---- | 2.1336 | + | 0.0590 | ---- | ---- | 1296 | UNCH |
| AUG18 | ---- | ---- | 2.1103 | + | 0.0536 | ---- | ---- | 7 | UNCH |
| SEP18 | ---- | ---- | 2.0902 | + | 0.0506 | ---- | ---- | 7 | UNCH |
| OCT18 | ---- | ---- | 1.9778 | + | 0.0466 | ---- | ---- | 7 | UNCH |
| NOV18 | ---- | ---- | 1.9507 | + | 0.0437 | ---- | ---- | 7 | UNCH |
| DEC18 | ---- | ---- | 1.9339 | + | 0.0410 | ---- | ---- | 7 | UNCH |
| JAN19 | ---- | ---- | 1.9314 | + | 0.0389 | ---- | ---- | 4 | UNCH |
| FEB19 | ---- | ---- | 1.9361 | + | 0.0377 | ---- | ---- | 4 | UNCH |
| MAR19 | ---- | ---- | 1.9475 | + | 0.0372 | ---- | ---- | 4 | UNCH |
| APR19 | ---- | ---- | 2.1146 | + | 0.0365 | ---- | ---- | 4 | UNCH |
| MAY19 | ---- | ---- | 2.1145 | + | 0.0363 | ---- | ---- | 4 | UNCH |
| JUN19 | ---- | ---- | 2.1005 | + | 0.0360 | ---- | ---- | 4 | UNCH |
| JUL19 | ---- | ---- | 2.0778 | + | 0.0353 | ---- | ---- | 4 | UNCH |
| AUG19 | ---- | ---- | 2.0538 | + | 0.0345 | ---- | ---- | 4 | UNCH |
| SEP19 | ---- | ---- | 2.0269 | + | 0.0334 | ---- | ---- | 4 | UNCH |
| OCT19 | ---- | ---- | 1.8939 | + | 0.0330 | ---- | ---- | 4 | UNCH |
| NOV19 | ---- | ---- | 1.8685 | + | 0.0322 | ---- | ---- | 4 | UNCH |
| DEC19 | ---- | ---- | 1.8590 | + | 0.0293 | ---- | ---- | 4 | UNCH |
| TOTAL RT FUT | | | | | | | | 1379 | |
| SF3 FUT | NYM-SINGAPORE FUEL OIL 380CST CRK S | | | | | | | | |
| JUN18 | ---- | ---- | -6.661 | - | 0.022 | ---- | ---- | 30 | UNCH |
| OCT18 | ---- | ---- | -7.900 | - | 0.104 | ---- | ---- | 6 | UNCH |
| NOV18 | ---- | ---- | -8.062 | - | 0.071 | ---- | ---- | 6 | UNCH |
| DEC18 | ---- | ---- | -8.146 | - | 0.011 | ---- | ---- | 6 | UNCH |
| APR19 | ---- | ---- | -8.832 | + | 0.103 | ---- | ---- | 9 | UNCH |
| MAY19 | ---- | ---- | -9.154 | + | 0.206 | ---- | ---- | 9 | UNCH |
| JUN19 | ---- | ---- | -9.729 | + | 0.255 | ---- | ---- | 9 | UNCH |
| TOTAL SF3 FUT | | | | | | | | 75 | |
| 7L FUT | PREM UNL GAS 10 PPM (PLTS) RDM | | | | | | | | |
| JUN18 | ---- | ---- | 709.115 | + | 2.867 | ---- | ---- | 24 | UNCH |
| JUL18 | ---- | ---- | 721.076 | + | 18.382 | ---- | ---- | 18 | UNCH |
| AUG18 | ---- | ---- | 717.063 | + | 17.320 | ---- | ---- | 12 | UNCH |
| TOTAL 7L FUT | | | | | | | | 54 | |
| 3G FUT | PREMIUM UNLD 10P FOB MED | | | | | | | | |
| JUN18 | ---- | ---- | 708.426 | + | 3.001 | ---- | ---- | 100 | UNCH |
| JUL18 | ---- | ---- | 715.595 | + | 17.079 | ---- | 15 | 140 | UNCH |
| AUG18 | ---- | ---- | 706.456 | + | 16.267 | ---- | ---- | 60 | UNCH |
| SEP18 | ---- | ---- | 696.578 | + | 15.821 | ---- | ---- | 60 | UNCH |
| OCT18 | ---- | ---- | 684.197 | + | 15.209 | ---- | ---- | 30 | UNCH |
| NOV18 | ---- | ---- | 677.601 | + | 15.206 | ---- | ---- | 30 | UNCH |
| DEC18 | ---- | ---- | 673.883 | + | 14.788 | ---- | ---- | 30 | UNCH |
| TOTAL 3G FUT | | | | | | | 15 | 450 | |
| 8G FUT | PREMIUM UNLEAD 10PPM FOB BLMO | | | | | | | | |
| 05JUN18 | ---- | ---- | 707.365 | + | 3.317 | ---- | ---- | 75 | UNCH |
| TOTAL 8G FUT | | | | | | | | 75 | |
| RL FUT | RBOB CALENDAR FUTURE | | | | | | | | |
| JUN18 | ---- | ---- | 2.0872 | + | 0.0084 | ---- | ---- | 4122 | UNCH |
| JUL18 | ---- | ---- | 2.1103 | + | 0.0536 | ---- | 604 | 2351 | + 579 |
| AUG18 | ---- | ---- | 2.0902 | + | 0.0506 | ---- | ---- | 637 | UNCH |
| SEP18 | ---- | ---- | 1.9778 | + | 0.0466 | ---- | ---- | 668 | UNCH |
| OCT18 | ---- | ---- | 1.9507 | + | 0.0437 | ---- | 55 | 1744 | + 55 |
| NOV18 | ---- | ---- | 1.9339 | + | 0.0410 | ---- | 25 | 1254 | + 25 |
| DEC18 | ---- | ---- | 1.9314 | + | 0.0389 | ---- | 25 | 1054 | + 25 |
| JAN19 | ---- | ---- | 1.9361 | + | 0.0377 | ---- | 25 | 866 | + 25 |
| FEB19 | ---- | ---- | 1.9475 | + | 0.0372 | ---- | 25 | 851 | + 25 |
| MAR19 | ---- | ---- | 2.1146 | + | 0.0365 | ---- | ---- | 57 | UNCH |
| APR19 | ---- | ---- | 2.1145 | + | 0.0363 | ---- | ---- | 86 | UNCH |
| MAY19 | ---- | ---- | 2.1005 | + | 0.0360 | ---- | ---- | 86 | UNCH |
| JUN19 | ---- | ---- | 2.0778 | + | 0.0353 | ---- | ---- | 86 | UNCH |
| JUL19 | ---- | ---- | 2.0538 | + | 0.0345 | ---- | ---- | 36 | UNCH |
| AUG19 | ---- | ---- | 2.0269 | + | 0.0334 | ---- | ---- | 36 | UNCH |
| SEP19 | ---- | ---- | 1.8939 | + | 0.0330 | ---- | ---- | 36 | UNCH |
| OCT19 | ---- | ---- | 1.8685 | + | 0.0322 | ---- | ---- | 36 | UNCH |
| NOV19 | ---- | ---- | 1.8590 | + | 0.0293 | ---- | ---- | 36 | UNCH |
| DEC19 | ---- | ---- | 1.8566 | + | 0.0293 | ---- | ---- | 36 | UNCH |
| TOTAL RL FUT | | | | | | | 759 | 14078 | + 734 |
| RM FUT | RBOB CRACK SPREAD | | | | | | | | |
| JUN18 | ---- | ---- | 20.44 | + | 0.04 | ---- | ---- | 750 | UNCH |
| JUL18 | ---- | ---- | 16.37 | + | 0.10 | ---- | ---- | 653 | UNCH |
| AUG18 | ---- | ---- | 16.98 | + | 0.21 | ---- | ---- | 653 | UNCH |
| SEP18 | ---- | ---- | 13.34 | + | 0.21 | ---- | ---- | 578 | UNCH |
| OCT18 | ---- | ---- | 12.90 | + | 0.27 | ---- | ---- | 363 | UNCH |
| NOV18 | ---- | ---- | 12.83 | + | 0.34 | ---- | ---- | 363 | UNCH |
| DEC18 | ---- | ---- | 13.28 | + | 0.37 | ---- | ---- | 363 | UNCH |

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|---|---|---|---|---|---|---|---|---|---|---|
| RM FUT | RBOB CRACK SPREAD | | | | | | | | | |
| JAN19 | | ---- | ---- | 14.03 | + | 0.45 | ---- | ---- | 308 | UNCH |
| FEB19 | | ---- | ---- | 15.00 | + | 0.52 | ---- | ---- | 308 | UNCH |
| MAR19 | | ---- | ---- | 22.47 | + | 0.54 | ---- | ---- | 328 | UNCH |
| APR19 | | ---- | ---- | 22.86 | + | 0.58 | ---- | ---- | 288 | UNCH |
| MAY19 | | ---- | ---- | 22.68 | + | 0.61 | ---- | ---- | 288 | UNCH |
| JUN19 | | ---- | ---- | 22.15 | + | 0.63 | ---- | ---- | 288 | UNCH |
| JUL19 | | ---- | ---- | 21.52 | + | 0.64 | ---- | ---- | 193 | UNCH |
| AUG19 | | ---- | ---- | 20.76 | + | 0.65 | ---- | ---- | 193 | UNCH |
| SEP19 | | ---- | ---- | 15.46 | + | 0.67 | ---- | ---- | 193 | UNCH |
| OCT19 | | ---- | ---- | 14.70 | + | 0.70 | ---- | ---- | 163 | UNCH |
| NOV19 | | ---- | ---- | 14.59 | + | 0.60 | ---- | ---- | 163 | UNCH |
| DEC19 | | ---- | ---- | 14.84 | + | 0.63 | ---- | ---- | 163 | UNCH |
| TOTAL RM FUT | | | | | | | | | 6599 | |
| EXR FUT | RBOB GAS VS EUROBOB(ARGUS) NWE BRGS | | | | | | | | | |
| JUN18 | | ---- | ---- | 0.0677 | + | 0.0022 | ---- | ---- | 1157 | UNCH |
| JUL18 | | ---- | ---- | 0.0660 | + | 0.0030 | ---- | 68 | 774 | + 1 |
| AUG18 | | ---- | ---- | 0.0574 | + | 0.0031 | ---- | 55 | 308 | - 8 |
| SEP18 | | ---- | ---- | -0.0422 | + | 0.0013 | ---- | 5 | 276 | - 3 |
| OCT18 | | ---- | ---- | 0.0069 | + | 0.0003 | ---- | ---- | 332 | UNCH |
| NOV18 | | ---- | ---- | 0.0111 | - | 0.0024 | ---- | ---- | 320 | UNCH |
| DEC18 | | ---- | ---- | 0.0195 | - | 0.0034 | ---- | ---- | 314 | UNCH |
| JAN19 | | ---- | ---- | 0.0237 | - | 0.0039 | ---- | ---- | 91 | UNCH |
| FEB19 | | ---- | ---- | 0.0314 | - | 0.0046 | ---- | ---- | 92 | UNCH |
| MAR19 | | ---- | ---- | 0.1946 | - | 0.0045 | ---- | ---- | 59 | UNCH |
| APR19 | | ---- | ---- | 0.0979 | - | 0.0013 | ---- | ---- | 50 | UNCH |
| MAY19 | | ---- | ---- | 0.0839 | - | 0.0005 | ---- | ---- | 50 | UNCH |
| JUN19 | | ---- | ---- | 0.0694 | - | 0.0008 | ---- | ---- | 50 | UNCH |
| JUL19 | | ---- | ---- | 0.0614 | - | 0.0003 | ---- | ---- | 6 | UNCH |
| AUG19 | | ---- | ---- | 0.0549 | + | 0.0003 | ---- | ---- | 6 | UNCH |
| SEP19 | | ---- | ---- | -0.0566 | + | 0.0035 | ---- | ---- | 6 | UNCH |
| TOTAL EXR FUT | | | | | | | | 128 | 3891 | - 10 |
| RBB FUT | RBOB GAS VS. BRENT CRCK SPRD | | | | | | | | | |
| JUN18 | | ---- | ---- | 11.826 | + | 0.165 | ---- | ---- | 2440 | UNCH |
| JUL18 | | ---- | ---- | 11.186 | + | 0.931 | ---- | ---- | 2501 | UNCH |
| AUG18 | | ---- | ---- | 10.630 | + | 0.785 | ---- | 155 | 1611 | - 12 |
| SEP18 | | ---- | ---- | 6.184 | + | 0.617 | ---- | 50 | 1133 | + 50 |
| OCT18 | | ---- | ---- | 5.375 | + | 0.486 | ---- | 50 | 1758 | + 50 |
| NOV18 | | ---- | ---- | 5.032 | + | 0.395 | ---- | ---- | 1633 | UNCH |
| DEC18 | | ---- | ---- | 5.339 | + | 0.360 | ---- | ---- | 1733 | UNCH |
| JAN19 | | ---- | ---- | 5.913 | + | 0.365 | ---- | ---- | 654 | UNCH |
| FEB19 | | ---- | ---- | 6.774 | + | 0.395 | ---- | ---- | 654 | UNCH |
| MAR19 | | ---- | ---- | 14.181 | + | 0.426 | ---- | ---- | 604 | UNCH |
| APR19 | | ---- | ---- | 14.556 | + | 0.478 | ---- | ---- | 140 | UNCH |
| MAY19 | | ---- | ---- | 14.315 | + | 0.524 | ---- | ---- | 140 | UNCH |
| JUN19 | | ---- | ---- | 13.696 | + | 0.545 | ---- | ---- | 140 | UNCH |
| JUL19 | | ---- | ---- | 13.055 | + | 0.561 | ---- | ---- | 125 | UNCH |
| AUG19 | | ---- | ---- | 12.275 | + | 0.565 | ---- | ---- | 125 | UNCH |
| SEP19 | | ---- | ---- | 7.033 | + | 0.598 | ---- | ---- | 125 | UNCH |
| OCT19 | | ---- | ---- | 6.362 | + | 0.604 | ---- | ---- | 115 | UNCH |
| NOV19 | | ---- | ---- | 6.313 | + | 0.523 | ---- | ---- | 115 | UNCH |
| DEC19 | | ---- | ---- | 6.537 | + | 0.562 | ---- | ---- | 115 | UNCH |
| JAN20 | | ---- | ---- | 7.102 | + | 0.593 | ---- | ---- | 10 | UNCH |
| FEB20 | | ---- | ---- | 8.078 | + | 0.641 | ---- | ---- | 10 | UNCH |
| MAR20 | | ---- | ---- | 15.795 | + | 0.663 | ---- | ---- | 10 | UNCH |
| APR20 | | ---- | ---- | 16.107 | + | 0.702 | ---- | ---- | 10 | UNCH |
| MAY20 | | ---- | ---- | 15.932 | + | 0.731 | ---- | ---- | 10 | UNCH |
| JUN20 | | ---- | ---- | 15.365 | + | 0.752 | ---- | ---- | 10 | UNCH |
| JUL20 | | ---- | ---- | 14.508 | + | 0.773 | ---- | ---- | 10 | UNCH |
| AUG20 | | ---- | ---- | 13.640 | + | 0.803 | ---- | ---- | 10 | UNCH |
| SEP20 | | ---- | ---- | 8.488 | + | 0.831 | ---- | ---- | 10 | UNCH |
| OCT20 | | ---- | ---- | 7.400 | + | 0.852 | ---- | ---- | 10 | UNCH |
| NOV20 | | ---- | ---- | 6.460 | + | 0.872 | ---- | ---- | 10 | UNCH |
| DEC20 | | ---- | ---- | 6.763 | + | 0.883 | ---- | ---- | 10 | UNCH |
| TOTAL RBB FUT | | | | | | | | 255 | 15981 | + 88 |
| 1D FUT | RBOB GASOLINE BALMO CLNDR | | | | | | | | | |
| 19JUN18 | | ---- | ---- | 2.0746 | + | 0.0197 | ---- | ---- | 42 | UNCH |
| 21JUN18 | | ---- | ---- | 2.0871 | + | 0.0253 | ---- | ---- | 700 | UNCH |
| 22JUN18 | | ---- | ---- | 2.0996 | + | 0.0295 | ---- | ---- | 196 | UNCH |
| TOTAL 1D FUT | | | | | | | | | 938 | |
| RH FUT | RBOB VS HEATING OIL | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.0562 | + | 0.0015 | ---- | ---- | 310 | UNCH |
| JUL18 | | ---- | ---- | -0.0693 | + | 0.0065 | ---- | ---- | 255 | UNCH |
| AUG18 | | ---- | ---- | -0.0949 | + | 0.0049 | ---- | ---- | 255 | UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| RH FUT | RBOB VS HEATING OIL | | | | | | | | |
| SEP18 | ---- | ---- | -0.2126 | + | 0.0023 | ---- | ---- | 255 | UNCH |
| OCT18 | ---- | ---- | -0.2451 | + | 0.0002 | ---- | ---- | 55 | UNCH |
| NOV18 | ---- | ---- | -0.2667 | - | 0.0015 | ---- | ---- | 55 | UNCH |
| DEC18 | ---- | ---- | -0.2743 | - | 0.0023 | ---- | ---- | 55 | UNCH |
| TOTAL RH FUT | | | | | | | | 1240 | |
| MSD FUT | SG VISCOSITY SPREAD BALMO | | | | | | | | |
| 05JUN18 | ---- | ---- | 9.875 | - | 0.086 | ---- | ---- | 15 | UNCH |
| TOTAL MSD FUT | | | | | | | | 15 | |
| EVC FUT | SING 380 FUEL OIL VS FUEL OIL ROTDM | | | | | | | | |
| JUN18 | ---- | ---- | 22.53 | - | 0.15 | ---- | ---- | 1091 | UNCH |
| JUL18 | ---- | ---- | 21.25 | + | 0.50 | ---- | 115 | 1051 | + 20 |
| AUG18 | ---- | ---- | 17.95 | + | 0.23 | ---- | 10 | 820 | UNCH |
| SEP18 | ---- | ---- | 17.00 | + | 0.28 | ---- | ---- | 512 | UNCH |
| OCT18 | ---- | ---- | 17.50 | + | 0.35 | ---- | ---- | 551 | UNCH |
| NOV18 | ---- | ---- | 18.38 | + | 0.38 | ---- | ---- | 536 | UNCH |
| DEC18 | ---- | ---- | 19.13 | + | 0.57 | ---- | ---- | 551 | UNCH |
| JAN19 | ---- | ---- | 18.00 | + | 0.10 | ---- | ---- | 334 | UNCH |
| FEB19 | ---- | ---- | 17.93 | + | 0.13 | ---- | ---- | 250 | UNCH |
| MAR19 | ---- | ---- | 18.00 | + | 0.25 | ---- | ---- | 253 | UNCH |
| APR19 | ---- | ---- | 18.38 | - | 0.07 | ---- | ---- | 50 | UNCH |
| MAY19 | ---- | ---- | 19.38 | + | 0.33 | ---- | ---- | 50 | UNCH |
| JUN19 | ---- | ---- | 20.73 | + | 0.45 | ---- | ---- | 30 | UNCH |
| JUL19 | ---- | ---- | 22.25 | + | 0.25 | ---- | ---- | 99 | UNCH |
| AUG19 | ---- | ---- | 24.00 | + | 0.25 | ---- | ---- | 99 | UNCH |
| SEP19 | ---- | ---- | 25.95 | + | 0.45 | ---- | ---- | 99 | UNCH |
| OCT19 | ---- | ---- | 26.50 | | UNCH | ---- | ---- | 96 | UNCH |
| NOV19 | ---- | ---- | 25.25 | | UNCH | ---- | ---- | 84 | UNCH |
| DEC19 | ---- | ---- | 22.00 | | UNCH | ---- | ---- | 144 | UNCH |
| JAN20 | ---- | ---- | 17.50 | | UNCH | ---- | ---- | 44 | UNCH |
| FEB20 | ---- | ---- | 16.25 | | UNCH | ---- | ---- | 44 | UNCH |
| MAR20 | ---- | ---- | 15.25 | | UNCH | ---- | ---- | 44 | UNCH |
| APR20 | ---- | ---- | 15.01 | + | 0.05 | ---- | ---- | 25 | UNCH |
| MAY20 | ---- | ---- | 14.89 | + | 0.10 | ---- | ---- | 25 | UNCH |
| JUN20 | ---- | ---- | 13.96 | + | 0.22 | ---- | ---- | 25 | UNCH |
| JUL20 | ---- | ---- | 13.02 | + | 0.20 | ---- | ---- | 22 | UNCH |
| AUG20 | ---- | ---- | 12.22 | + | 0.33 | ---- | ---- | 22 | UNCH |
| SEP20 | ---- | ---- | 11.53 | + | 0.43 | ---- | ---- | 22 | UNCH |
| OCT20 | ---- | ---- | 10.98 | + | 0.30 | ---- | ---- | 15 | UNCH |
| NOV20 | ---- | ---- | 10.54 | + | 0.29 | ---- | ---- | 15 | UNCH |
| DEC20 | ---- | ---- | 10.11 | + | 0.28 | ---- | ---- | 15 | UNCH |
| TOTAL EVC FUT | | | | | | | 125 | 7018 | + 20 |
| SFB FUT | SING 380CST VS 3.5 FUEL ROTDM BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | 22.24 | - | 0.15 | ---- | ---- | 80 | UNCH |
| TOTAL SFB FUT | | | | | | | | 80 | |
| BS FUT | SINGAPORE 180CST BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | 448.959 | + | 1.018 | ---- | ---- | 10 | UNCH |
| 07JUN18 | ---- | ---- | 448.308 | + | 1.209 | ---- | ---- | 30 | UNCH |
| TOTAL BS FUT | | | | | | | | 40 | |
| BT FUT | SINGAPORE 380CST BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | 438.915 | + | 1.098 | ---- | ---- | 80 | UNCH |
| 05JUN18 | ---- | ---- | 438.794 | + | 1.160 | ---- | ---- | 10 | UNCH |
| 06JUN18 | ---- | ---- | 438.754 | + | 1.228 | ---- | ---- | 25 | UNCH |
| 07JUN18 | ---- | ---- | 438.493 | + | 1.304 | ---- | ---- | 5 | UNCH |
| 08JUN18 | ---- | ---- | 438.670 | + | 1.391 | ---- | ---- | 25 | UNCH |
| 13JUN18 | ---- | ---- | 437.817 | + | 1.739 | ---- | ---- | 50 | UNCH |
| 14JUN18 | ---- | ---- | 438.286 | + | 1.897 | ---- | ---- | 5 | UNCH |
| TOTAL BT FUT | | | | | | | | 200 | |
| SE FUT | SINGAPORE 380CST FUEL OIL | | | | | | | | |
| JUN18 | ---- | ---- | 439.26 | + | 1.04 | ---- | ---- | 2437 | UNCH |
| JUL18 | ---- | ---- | 451.96 | + | 8.56 | ---- | 105 | 3253 | + 39 |
| AUG18 | ---- | ---- | 445.44 | + | 8.29 | ---- | 33 | 2436 | + 28 |
| SEP18 | ---- | ---- | 440.00 | + | 8.17 | ---- | 23 | 1144 | + 11 |
| OCT18 | ---- | ---- | 435.95 | + | 7.91 | ---- | 20 | 591 | + 15 |
| NOV18 | ---- | ---- | 432.62 | + | 7.98 | ---- | 10 | 430 | + 10 |
| DEC18 | ---- | ---- | 429.48 | + | 8.03 | ---- | 10 | 444 | + 10 |
| JAN19 | ---- | ---- | 425.84 | + | 7.54 | ---- | ---- | 278 | UNCH |
| FEB19 | ---- | ---- | 422.62 | + | 7.56 | ---- | ---- | 139 | UNCH |
| MAR19 | ---- | ---- | 419.30 | + | 7.75 | ---- | ---- | 135 | UNCH |
| APR19 | ---- | ---- | 415.43 | + | 7.31 | ---- | ---- | 107 | UNCH |
| MAY19 | ---- | ---- | 411.18 | + | 7.58 | ---- | ---- | 60 | UNCH |
| JUN19 | ---- | ---- | 405.40 | + | 7.58 | ---- | ---- | 68 | UNCH |
| JUL19 | ---- | ---- | 396.68 | + | 7.00 | ---- | ---- | 190 | UNCH |
| AUG19 | ---- | ---- | 385.30 | + | 7.13 | ---- | ---- | 36 | UNCH |

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# ENERGY FUTURES PRODUCTS



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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| SE FUT | SINGAPORE 380CST FUEL OIL | | | | | | | | |
| SEP19 | ---- | ---- | 371.00 | + | 7.45 | ---- | ---- | 36 | UNCH |
| OCT19 | ---- | ---- | 354.05 | + | 6.75 | ---- | ---- | 225 | UNCH |
| NOV19 | ---- | ---- | 336.30 | + | 6.63 | ---- | ---- | 70 | UNCH |
| DEC19 | ---- | ---- | 320.30 | + | 6.38 | ---- | ---- | 109 | UNCH |
| JAN20 | ---- | ---- | 303.93 | + | 6.38 | ---- | ---- | 88 | UNCH |
| FEB20 | ---- | ---- | 304.93 | + | 6.13 | ---- | ---- | 55 | UNCH |
| MAR20 | ---- | ---- | 306.18 | + | 5.88 | ---- | ---- | 53 | UNCH |
| APR20 | ---- | ---- | 308.31 | + | 5.80 | ---- | ---- | 26 | UNCH |
| MAY20 | ---- | ---- | 310.44 | + | 5.73 | ---- | ---- | 26 | UNCH |
| JUN20 | ---- | ---- | 311.76 | + | 5.72 | ---- | ---- | 26 | UNCH |
| JUL20 | ---- | ---- | 313.07 | + | 5.71 | ---- | ---- | 15 | UNCH |
| AUG20 | ---- | ---- | 314.39 | + | 5.70 | ---- | ---- | 15 | UNCH |
| SEP20 | ---- | ---- | 315.71 | + | 5.69 | ---- | ---- | 15 | UNCH |
| OCT20 | ---- | ---- | 317.03 | + | 5.68 | ---- | ---- | 7 | UNCH |
| NOV20 | ---- | ---- | 318.34 | + | 5.66 | ---- | ---- | 7 | UNCH |
| DEC20 | ---- | ---- | 319.66 | + | 5.65 | ---- | ---- | 7 | UNCH |
| TOTAL SE FUT | | | | | | | 201 | 12528 | + 113 |
| UA FUT | SINGAPORE FUEL 180CST CAL | | | | | | | | |
| JUN18 | ---- | ---- | 449.47 | + | 0.97 | ---- | ---- | 849 | UNCH |
| JUL18 | ---- | ---- | 460.46 | + | 8.06 | ---- | ---- | 511 | UNCH |
| AUG18 | ---- | ---- | 454.69 | + | 7.79 | ---- | ---- | 146 | UNCH |
| SEP18 | ---- | ---- | 449.88 | + | 7.86 | ---- | ---- | 6 | UNCH |
| OCT18 | ---- | ---- | 446.08 | + | 7.47 | ---- | ---- | 41 | UNCH |
| NOV18 | ---- | ---- | 442.87 | + | 7.60 | ---- | ---- | 8 | UNCH |
| DEC18 | ---- | ---- | 439.73 | + | 7.53 | ---- | ---- | 1 | UNCH |
| JAN19 | ---- | ---- | 437.09 | + | 7.41 | ---- | ---- | 1 | UNCH |
| FEB19 | ---- | ---- | 434.25 | + | 7.43 | ---- | ---- | 1 | UNCH |
| MAR19 | ---- | ---- | 431.30 | + | 7.75 | ---- | ---- | 1 | UNCH |
| APR19 | ---- | ---- | 427.80 | + | 7.31 | ---- | ---- | 1 | UNCH |
| MAY19 | ---- | ---- | 423.80 | + | 7.58 | ---- | ---- | 1 | UNCH |
| JUN19 | ---- | ---- | 418.28 | + | 7.58 | ---- | ---- | 1 | UNCH |
| JUL19 | ---- | ---- | 410.68 | + | 6.75 | ---- | ---- | 1 | UNCH |
| AUG19 | ---- | ---- | 400.80 | + | 7.38 | ---- | ---- | 1 | UNCH |
| SEP19 | ---- | ---- | 388.30 | + | 7.75 | ---- | ---- | 1 | UNCH |
| OCT19 | ---- | ---- | 374.05 | + | 7.00 | ---- | ---- | 2 | UNCH |
| NOV19 | ---- | ---- | 357.30 | + | 6.88 | ---- | ---- | 2 | UNCH |
| DEC19 | ---- | ---- | 342.30 | + | 6.63 | ---- | ---- | 2 | UNCH |
| TOTAL UA FUT | | | | | | | | 1577 | |
| SD FUT | SINGAPORE FUEL OIL SPREAD | | | | | | | | |
| JUN18 | ---- | ---- | 10.22 | - | 0.08 | ---- | ---- | 308 | UNCH |
| JUL18 | ---- | ---- | 8.50 | - | 0.50 | ---- | ---- | 236 | UNCH |
| AUG18 | ---- | ---- | 9.25 | - | 0.50 | ---- | ---- | 168 | UNCH |
| SEP18 | ---- | ---- | 9.88 | - | 0.31 | ---- | ---- | 156 | UNCH |
| OCT18 | ---- | ---- | 10.13 | - | 0.44 | ---- | ---- | 146 | UNCH |
| NOV18 | ---- | ---- | 10.25 | - | 0.38 | ---- | ---- | 176 | UNCH |
| DEC18 | ---- | ---- | 10.25 | - | 0.50 | ---- | ---- | 155 | UNCH |
| JAN19 | ---- | ---- | 11.25 | - | 0.13 | ---- | ---- | 11 | UNCH |
| FEB19 | ---- | ---- | 11.63 | - | 0.13 | ---- | ---- | 1 | UNCH |
| MAR19 | ---- | ---- | 12.00 | | UNCH | ---- | ---- | 1 | UNCH |
| APR19 | ---- | ---- | 12.38 | | UNCH | ---- | ---- | 1 | UNCH |
| MAY19 | ---- | ---- | 12.63 | | UNCH | ---- | ---- | 1 | UNCH |
| JUN19 | ---- | ---- | 12.88 | | UNCH | ---- | ---- | 1 | UNCH |
| JUL19 | ---- | ---- | 14.00 | - | 0.25 | ---- | ---- | 1 | UNCH |
| AUG19 | ---- | ---- | 15.50 | + | 0.25 | ---- | ---- | 1 | UNCH |
| SEP19 | ---- | ---- | 17.30 | + | 0.30 | ---- | ---- | 1 | UNCH |
| OCT19 | ---- | ---- | 20.00 | + | 0.25 | ---- | ---- | 1 | UNCH |
| NOV19 | ---- | ---- | 21.00 | + | 0.25 | ---- | ---- | 1 | UNCH |
| DEC19 | ---- | ---- | 22.00 | + | 0.25 | ---- | ---- | 1 | UNCH |
| TOTAL SD FUT | | | | | | | | 1367 | |
| SG FUT | SINGAPORE GASOIL | | | | | | | | |
| JUN18 | ---- | ---- | 87.18 | + | 0.01 | ---- | ---- | 1540 | UNCH |
| JUL18 | ---- | ---- | 88.18 | + | 2.85 | ---- | 65 | 1110 | + 65 |
| AUG18 | ---- | ---- | 88.31 | + | 2.86 | ---- | ---- | 510 | UNCH |
| SEP18 | ---- | ---- | 88.44 | + | 2.85 | ---- | ---- | 2150 | UNCH |
| OCT18 | ---- | ---- | 88.46 | + | 2.85 | ---- | ---- | 850 | UNCH |
| NOV18 | ---- | ---- | 88.32 | + | 2.85 | ---- | ---- | 650 | UNCH |
| DEC18 | ---- | ---- | 88.15 | + | 2.84 | ---- | ---- | 950 | UNCH |
| TOTAL SG FUT | | | | | | | 65 | 7760 | + 65 |
| VU FUT | SINGAPORE GASOIL BALMO | | | | | | | | |
| 06JUN18 | ---- | ---- | 86.805 | + | 0.006 | ---- | ---- | 50 | UNCH |
| 07JUN18 | ---- | ---- | 86.716 | + | 0.006 | ---- | ---- | 25 | UNCH |
| TOTAL VU FUT | | | | | | | | 75 | |
| GA FUT | SINGAPORE GASOIL VS ICE | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| GA FUT | SINGAPORE GASOIL VS ICE | | | | | | | | | | |
| JUN18 | | ---- | ---- | -1.05 | - | 0.42 | ---- | ---- | 5410 | | UNCH |
| JUL18 | | ---- | ---- | -1.30 | - | 0.11 | ---- | 250 | 6095 | + | 150 |
| AUG18 | | ---- | ---- | -1.39 | - | 0.09 | ---- | ---- | 5420 | | UNCH |
| SEP18 | | ---- | ---- | -1.46 | - | 0.08 | ---- | 50 | 5655 | + | 50 |
| OCT18 | | ---- | ---- | -1.38 | - | 0.05 | ---- | 175 | 4560 | - | 75 |
| NOV18 | | ---- | ---- | -1.31 | - | 0.01 | ---- | 175 | 4460 | - | 75 |
| DEC18 | | ---- | ---- | -1.46 | + | 0.01 | ---- | 175 | 4685 | - | 100 |
| JAN19 | | ---- | ---- | -1.57 | - | 0.01 | ---- | 75 | 1925 | + | 75 |
| FEB19 | | ---- | ---- | -1.56 | - | 0.03 | ---- | 75 | 1900 | + | 75 |
| MAR19 | | ---- | ---- | -1.41 | + | 0.04 | ---- | 75 | 1825 | + | 75 |
| APR19 | | ---- | ---- | -1.24 | + | 0.03 | ---- | ---- | 835 | | UNCH |
| MAY19 | | ---- | ---- | -1.19 | + | 0.02 | ---- | ---- | 835 | | UNCH |
| JUN19 | | ---- | ---- | -1.19 | - | 0.01 | ---- | ---- | 835 | | UNCH |
| JUL19 | | ---- | ---- | -1.28 | - | 0.01 | ---- | ---- | 200 | | UNCH |
| AUG19 | | ---- | ---- | -1.28 | - | 0.01 | ---- | ---- | 200 | | UNCH |
| SEP19 | | ---- | ---- | -1.28 | - | 0.01 | ---- | ---- | 200 | | UNCH |
| OCT19 | | ---- | ---- | -1.17 | - | 0.04 | ---- | ---- | 200 | | UNCH |
| NOV19 | | ---- | ---- | -1.17 | - | 0.04 | ---- | ---- | 200 | | UNCH |
| DEC19 | | ---- | ---- | -1.17 | - | 0.04 | ---- | ---- | 200 | | UNCH |
| JAN20 | | ---- | ---- | -0.54 | - | 0.01 | ---- | ---- | 50 | | UNCH |
| FEB20 | | ---- | ---- | -0.54 | - | 0.01 | ---- | ---- | 50 | | UNCH |
| MAR20 | | ---- | ---- | -0.54 | - | 0.01 | ---- | ---- | 50 | | UNCH |
| APR20 | | ---- | ---- | -0.54 | - | 0.01 | ---- | ---- | 50 | | UNCH |
| MAY20 | | ---- | ---- | -0.54 | - | 0.01 | ---- | ---- | 50 | | UNCH |
| JUN20 | | ---- | ---- | -0.54 | - | 0.01 | ---- | ---- | 50 | | UNCH |
| TOTAL GA FUT | | | | | | | | 1050 | 45940 | + | 175 |
| BX FUT | SINGAPORE JET KERO BALMO | | | | | | | | | | |
| 06JUN18 | | ---- | ---- | 86.354 | + | 0.028 | ---- | ---- | 50 | | UNCH |
| TOTAL BX FUT | | | | | | | | | 50 | | |
| RK FUT | SINGAPORE JET KERO GASOIL | | | | | | | | | | |
| JUN18 | | ---- | ---- | -0.502 | + | 0.018 | ---- | ---- | 2060 | | UNCH |
| JUL18 | | ---- | ---- | 0.175 | + | 0.050 | ---- | ---- | 1500 | | UNCH |
| AUG18 | | ---- | ---- | 0.195 | + | 0.070 | ---- | ---- | 1600 | | UNCH |
| SEP18 | | ---- | ---- | 0.150 | + | 0.065 | ---- | ---- | 1625 | | UNCH |
| OCT18 | | ---- | ---- | 0.155 | + | 0.050 | ---- | 175 | 585 | + | 50 |
| NOV18 | | ---- | ---- | 0.255 | + | 0.025 | ---- | 175 | 510 | + | 50 |
| DEC18 | | ---- | ---- | 0.345 | - | 0.025 | ---- | 175 | 510 | + | 50 |
| JAN19 | | ---- | ---- | 0.360 | - | 0.010 | ---- | 75 | 325 | + | 75 |
| FEB19 | | ---- | ---- | 0.400 | + | 0.030 | ---- | 75 | 325 | + | 75 |
| MAR19 | | ---- | ---- | 0.380 | + | 0.020 | ---- | 75 | 325 | + | 75 |
| APR19 | | ---- | ---- | 0.210 | + | 0.030 | ---- | ---- | 425 | | UNCH |
| MAY19 | | ---- | ---- | 0.070 | | UNCH | ---- | ---- | 425 | | UNCH |
| JUN19 | | ---- | ---- | 0.090 | + | 0.010 | ---- | ---- | 425 | | UNCH |
| TOTAL RK FUT | | | | | | | | 750 | 10640 | + | 375 |
| KS FUT | SINGAPORE JET KEROSENE | | | | | | | | | | |
| JUN18 | | ---- | ---- | 86.68 | + | 0.02 | ---- | ---- | 325 | | UNCH |
| JUL18 | | ---- | ---- | 88.36 | + | 2.90 | ---- | ---- | 415 | | UNCH |
| AUG18 | | ---- | ---- | 88.50 | + | 2.93 | ---- | ---- | 175 | | UNCH |
| SEP18 | | ---- | ---- | 88.59 | + | 2.92 | ---- | ---- | 190 | | UNCH |
| OCT18 | | ---- | ---- | 88.62 | + | 2.90 | ---- | ---- | 490 | | UNCH |
| NOV18 | | ---- | ---- | 88.57 | + | 2.88 | ---- | ---- | 350 | | UNCH |
| DEC18 | | ---- | ---- | 88.50 | + | 2.82 | ---- | ---- | 350 | | UNCH |
| JAN19 | | ---- | ---- | 88.52 | + | 2.78 | ---- | ---- | 150 | | UNCH |
| FEB19 | | ---- | ---- | 88.54 | + | 2.76 | ---- | ---- | 275 | | UNCH |
| MAR19 | | ---- | ---- | 88.48 | + | 2.79 | ---- | ---- | 75 | | UNCH |
| TOTAL KS FUT | | | | | | | | | 2795 | | |
| V0 FUT | SINGAPORE MOGAS 95 | | | | | | | | | | |
| JUL18 | | ---- | ---- | 84.461 | + | 1.792 | ---- | ---- | 80 | | UNCH |
| AUG18 | | ---- | ---- | 84.339 | + | 1.828 | ---- | ---- | 80 | | UNCH |
| SEP18 | | ---- | ---- | 84.064 | + | 1.725 | ---- | ---- | 80 | | UNCH |
| OCT18 | | ---- | ---- | 83.888 | + | 1.727 | ---- | ---- | 80 | | UNCH |
| NOV18 | | ---- | ---- | 83.672 | + | 1.769 | ---- | ---- | 80 | | UNCH |
| DEC18 | | ---- | ---- | 83.497 | + | 1.779 | ---- | ---- | 80 | | UNCH |
| TOTAL V0 FUT | | | | | | | | | 480 | | |
| SMU FUT | SINGAPORE MOGAS95-SINGAPORE MOGAS92 | | | | | | | | | | |
| JUN18 | | ---- | ---- | 2.049 | - | 0.012 | ---- | ---- | 50 | | UNCH |
| JUL18 | | ---- | ---- | 2.100 | - | 0.050 | ---- | ---- | 13 | | UNCH |
| AUG18 | | ---- | ---- | 2.250 | | UNCH | ---- | ---- | 13 | | UNCH |
| SEP18 | | ---- | ---- | 2.300 | | UNCH | ---- | ---- | 13 | | UNCH |
| OCT18 | | ---- | ---- | 2.400 | | UNCH | ---- | ---- | 13 | | UNCH |
| NOV18 | | ---- | ---- | 2.400 | | UNCH | ---- | ---- | 13 | | UNCH |
| DEC18 | | ---- | ---- | 2.450 | | UNCH | ---- | ---- | 13 | | UNCH |
| TOTAL SMU FUT | | | | | | | | | 128 | | |

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|---|---|---|---|---|---|---|---|---|---|
| STZ FUT | SINGPORE GASOIL 10PPM V GSOLSPD FUT | | | | | | | | |
| JUN18 | ---- | ---- | 0.506 | + | 0.004 | ---- | ---- | 425 | UNCH |
| JUL18 | ---- | ---- | 0.935 | + | 0.090 | ---- | ---- | 700 | UNCH |
| AUG18 | ---- | ---- | 0.860 | + | 0.020 | ---- | ---- | 700 | UNCH |
| SEP18 | ---- | ---- | 0.890 | + | 0.005 | ---- | ---- | 700 | UNCH |
| OCT18 | ---- | ---- | 0.895 | + | 0.005 | ---- | ---- | 150 | UNCH |
| NOV18 | ---- | ---- | 0.900 | + | 0.005 | ---- | ---- | 150 | UNCH |
| DEC18 | ---- | ---- | 0.905 | + | 0.015 | ---- | ---- | 150 | UNCH |
| TOTAL STZ FUT | | | | | | | | 2975 | |
| STR FUT | SPORE FUEL OIL 180CST 6.35 CK | | | | | | | | |
| JUN18 | ---- | ---- | -5.053 | - | 0.035 | ---- | ---- | 100 | UNCH |
| TOTAL STR FUT | | | | | | | | 100 | |
| STS FUT | SPORE FUEL OIL 180CST 6.35 DUBAI CK | | | | | | | | |
| JUN18 | ---- | ---- | -2.797 | + | 0.017 | ---- | ---- | 125 | UNCH |
| JUL18 | ---- | ---- | -2.369 | - | 0.121 | ---- | ---- | 125 | UNCH |
| AUG18 | ---- | ---- | -2.858 | - | 0.163 | ---- | ---- | 125 | UNCH |
| SEP18 | ---- | ---- | -3.243 | - | 0.142 | ---- | ---- | 125 | UNCH |
| OCT18 | ---- | ---- | -3.393 | - | 0.184 | ---- | ---- | 137 | UNCH |
| NOV18 | ---- | ---- | -3.486 | - | 0.143 | ---- | ---- | 137 | UNCH |
| DEC18 | ---- | ---- | -3.528 | - | 0.119 | ---- | ---- | 137 | UNCH |
| TOTAL STS FUT | | | | | | | | 911 | |
| 1NB FUT | SPORE MOGAS92 UNLD BRENT SPRD | | | | | | | | |
| JUN18 | ---- | ---- | 5.738 | - | 0.033 | ---- | ---- | 1295 | UNCH |
| JUL18 | ---- | ---- | 4.914 | + | 0.521 | ---- | 50 | 682 | - 50 |
| AUG18 | ---- | ---- | 4.931 | + | 0.488 | ---- | ---- | 757 | UNCH |
| SEP18 | ---- | ---- | 4.880 | + | 0.384 | ---- | ---- | 525 | UNCH |
| OCT18 | ---- | ---- | 4.934 | + | 0.378 | ---- | ---- | 295 | UNCH |
| NOV18 | ---- | ---- | 5.080 | + | 0.442 | ---- | ---- | 295 | UNCH |
| DEC18 | ---- | ---- | 5.267 | + | 0.505 | ---- | ---- | 305 | UNCH |
| APR19 | ---- | ---- | 7.122 | + | 0.755 | ---- | ---- | 16 | UNCH |
| MAY19 | ---- | ---- | 7.402 | + | 0.841 | ---- | ---- | 16 | UNCH |
| JUN19 | ---- | ---- | 7.471 | + | 0.959 | ---- | ---- | 16 | UNCH |
| TOTAL 1NB FUT | | | | | | | 50 | 4202 | - 50 |
| Z7 FUT | ULSD 10PPM CIF MED VS ICE GAS | | | | | | | | |
| JUN18 | ---- | ---- | 6.595 | - | 0.072 | ---- | ---- | 8 | UNCH |
| TOTAL Z7 FUT | | | | | | | | 8 | |
| 1L FUT | ULSD UP-DOWN BALMO | | | | | | | | |
| 04JUN18 | ---- | ---- | -0.0429 | | UNCH | ---- | ---- | 200 | UNCH |
| 05JUN18 | ---- | ---- | -0.0432 | | UNCH | ---- | ---- | 1095 | UNCH |
| 06JUN18 | ---- | ---- | -0.0433 | | UNCH | ---- | ---- | 1275 | UNCH |
| 07JUN18 | ---- | ---- | -0.0433 | | UNCH | ---- | ---- | 745 | UNCH |
| 08JUN18 | ---- | ---- | -0.0433 | | UNCH | ---- | ---- | 100 | UNCH |
| 11JUN18 | ---- | ---- | -0.0434 | | UNCH | ---- | ---- | 125 | UNCH |
| 12JUN18 | ---- | ---- | -0.0436 | | UNCH | ---- | ---- | 100 | UNCH |
| 13JUN18 | ---- | ---- | -0.0439 | | UNCH | ---- | ---- | 250 | UNCH |
| 14JUN18 | ---- | ---- | -0.0441 | - | 0.0001 | ---- | ---- | 50 | UNCH |
| 15JUN18 | ---- | ---- | -0.0442 | - | 0.0001 | ---- | ---- | 300 | UNCH |
| 19JUN18 | ---- | ---- | -0.0440 | - | 0.0001 | ---- | ---- | 50 | UNCH |
| 20JUN18 | ---- | ---- | -0.0440 | | UNCH | ---- | ---- | 100 | UNCH |
| TOTAL 1L FUT | | | | | | | | 4390 | |
| LT FUT | UP DOWN GC ULSD VS NMX HO SPRD | | | | | | | | |
| JUN18 | ---- | ---- | -0.0428 | | UNCH | ---- | ---- | 11829 | UNCH |
| JUL18 | ---- | ---- | -0.0465 | + | 0.0010 | ---- | 100 | 7829 | UNCH |
| AUG18 | ---- | ---- | -0.0465 | + | 0.0010 | ---- | 25 | 6125 | + 25 |
| SEP18 | ---- | ---- | -0.0465 | + | 0.0010 | ---- | ---- | 4726 | UNCH |
| OCT18 | ---- | ---- | -0.0470 | | UNCH | ---- | 20 | 2983 | + 20 |
| NOV18 | ---- | ---- | -0.0675 | | UNCH | ---- | ---- | 2669 | UNCH |
| DEC18 | ---- | ---- | -0.0750 | | UNCH | ---- | ---- | 2428 | UNCH |
| JAN19 | ---- | ---- | -0.0700 | | UNCH | ---- | ---- | 320 | UNCH |
| FEB19 | ---- | ---- | -0.0500 | | UNCH | ---- | ---- | 321 | UNCH |
| MAR19 | ---- | ---- | -0.0400 | | UNCH | ---- | ---- | 324 | UNCH |
| APR19 | ---- | ---- | -0.0425 | | UNCH | ---- | ---- | 242 | UNCH |
| MAY19 | ---- | ---- | -0.0425 | | UNCH | ---- | ---- | 210 | UNCH |
| JUN19 | ---- | ---- | -0.0425 | | UNCH | ---- | ---- | 209 | UNCH |
| JUL19 | ---- | ---- | -0.0400 | | UNCH | ---- | ---- | 178 | UNCH |
| AUG19 | ---- | ---- | -0.0400 | | UNCH | ---- | ---- | 179 | UNCH |
| SEP19 | ---- | ---- | -0.0400 | | UNCH | ---- | ---- | 178 | UNCH |
| OCT19 | ---- | ---- | -0.0450 | | UNCH | ---- | ---- | 177 | UNCH |
| NOV19 | ---- | ---- | -0.0525 | | UNCH | ---- | ---- | 175 | UNCH |
| DEC19 | ---- | ---- | -0.0725 | | UNCH | ---- | ---- | 174 | UNCH |
| JAN20 | ---- | ---- | -0.0700 | | UNCH | ---- | ---- | 36 | UNCH |
| FEB20 | ---- | ---- | -0.0550 | | UNCH | ---- | ---- | 36 | UNCH |
| MAR20 | ---- | ---- | -0.0450 | | UNCH | ---- | ---- | 36 | UNCH |
| APR20 | ---- | ---- | -0.0450 | | UNCH | ---- | ---- | 36 | UNCH |

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# ENERGY FUTURES PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| LT FUT | UP DOWN GC ULSD VS NMX HO SPRD | | | | | | | |
| MAY20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| JUN20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| JUL20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| AUG20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| SEP20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| OCT20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| NOV20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| DEC20 | ---- | ---- | -0.0450 | UNCH | ---- | ---- | 36 | UNCH |
| TOTAL LT FUT | | | | | | 145 | 41708 | + 45 |

## NGL/PETROCHEM FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| 91 FUT | ARGS FAR E NDX VS EUR CIF ARA | | | | | | | |
| JUN18 | ---- | ---- | 37.526 | + 0.129 | ---- | ---- | 121 | UNCH |
| JUL18 | ---- | ---- | 35.000 | - 0.500 | ---- | 5 | 63 | + 3 |
| AUG18 | ---- | ---- | 36.250 | - 0.500 | ---- | ---- | 67 | UNCH |
| SEP18 | ---- | ---- | 35.750 | - 0.750 | ---- | ---- | 71 | UNCH |
| OCT18 | ---- | ---- | 36.500 | UNCH | ---- | 2 | 98 | UNCH |
| NOV18 | ---- | ---- | 36.250 | - 0.250 | ---- | 2 | 108 | UNCH |
| DEC18 | ---- | ---- | 36.000 | - 0.250 | ---- | 2 | 108 | UNCH |
| JAN19 | ---- | ---- | 36.000 | - 0.250 | ---- | ---- | 11 | UNCH |
| FEB19 | ---- | ---- | 36.000 | - 0.250 | ---- | ---- | 11 | UNCH |
| MAR19 | ---- | ---- | 36.000 | - 0.250 | ---- | ---- | 11 | UNCH |
| APR19 | ---- | ---- | 36.000 | - 0.250 | ---- | ---- | 1 | UNCH |
| MAY19 | ---- | ---- | 36.000 | - 0.250 | ---- | ---- | 1 | UNCH |
| JUN19 | ---- | ---- | 37.000 | - 0.250 | ---- | ---- | 1 | UNCH |
| JUL19 | ---- | ---- | 37.000 | - 0.250 | ---- | ---- | 2 | UNCH |
| AUG19 | ---- | ---- | 37.000 | - 0.250 | ---- | ---- | 2 | UNCH |
| SEP19 | ---- | ---- | 37.000 | - 0.250 | ---- | ---- | 2 | UNCH |
| OCT19 | ---- | ---- | 37.000 | - 0.250 | ---- | ---- | 1 | UNCH |
| NOV19 | ---- | ---- | 37.000 | - 0.250 | ---- | ---- | 1 | UNCH |
| DEC19 | ---- | ---- | 37.000 | - 0.250 | ---- | ---- | 1 | UNCH |
| TOTAL 91 FUT | | | | | | 11 | 681 | + 3 |
| 7E FUT | ARGUS PROPAN FAR EST INDEX | | | | | | | |
| JUN18 | ---- | ---- | 560.558 | + 1.478 | ---- | ---- | 845 | UNCH |
| JUL18 | ---- | ---- | 576.983 | + 8.240 | ---- | 41 | 691 | + 8 |
| AUG18 | ---- | ---- | 574.983 | + 7.191 | ---- | 85 | 568 | - 4 |
| SEP18 | ---- | ---- | 574.529 | + 6.222 | ---- | 38 | 380 | + 17 |
| OCT18 | ---- | ---- | 575.358 | + 6.135 | ---- | 16 | 509 | + 2 |
| NOV18 | ---- | ---- | 576.081 | + 5.711 | ---- | 6 | 517 | + 3 |
| DEC18 | ---- | ---- | 574.311 | + 5.679 | ---- | 3 | 592 | UNCH |
| JAN19 | ---- | ---- | 571.730 | + 5.720 | ---- | ---- | 112 | UNCH |
| FEB19 | ---- | ---- | 558.807 | + 4.050 | ---- | ---- | 113 | UNCH |
| MAR19 | ---- | ---- | 532.624 | + 2.146 | ---- | ---- | 112 | UNCH |
| APR19 | ---- | ---- | 506.613 | + 1.003 | ---- | ---- | 57 | UNCH |
| MAY19 | ---- | ---- | 492.539 | - 0.067 | ---- | ---- | 57 | UNCH |
| JUN19 | ---- | ---- | 490.489 | - 0.039 | ---- | ---- | 57 | UNCH |
| JUL19 | ---- | ---- | 491.479 | - 1.008 | ---- | ---- | 95 | UNCH |
| AUG19 | ---- | ---- | 493.448 | - 1.053 | ---- | ---- | 46 | UNCH |
| SEP19 | ---- | ---- | 495.396 | - 1.040 | ---- | ---- | 46 | UNCH |
| OCT19 | ---- | ---- | 497.119 | - 1.010 | ---- | ---- | 46 | UNCH |
| NOV19 | ---- | ---- | 498.980 | - 1.760 | ---- | ---- | 46 | UNCH |
| DEC19 | ---- | ---- | 501.991 | - 1.721 | ---- | ---- | 46 | UNCH |
| TOTAL 7E FUT | | | | | | 189 | 4935 | + 26 |
| 9N FUT | ARGUS PROPAN(SAUDI ARAMCO) | | | | | | | |
| JUL18 | ---- | ---- | 554.983 | + 0.240 | ---- | 34 | 332 | + 22 |
| AUG18 | ---- | ---- | 559.983 | + 6.191 | ---- | 39 | 262 | - 2 |
| SEP18 | ---- | ---- | 559.029 | + 5.472 | ---- | 10 | 267 | + 5 |
| OCT18 | ---- | ---- | 559.608 | + 4.885 | ---- | ---- | 173 | UNCH |
| NOV18 | ---- | ---- | 560.081 | + 4.461 | ---- | ---- | 182 | UNCH |
| DEC18 | ---- | ---- | 560.561 | + 4.179 | ---- | ---- | 229 | UNCH |
| JAN19 | ---- | ---- | 557.480 | + 4.220 | ---- | ---- | 32 | UNCH |
| FEB19 | ---- | ---- | 545.557 | + 1.550 | ---- | ---- | 23 | UNCH |
| MAR19 | ---- | ---- | 519.374 | - 0.354 | ---- | ---- | 18 | UNCH |
| APR19 | ---- | ---- | 492.363 | - 2.497 | ---- | ---- | 12 | UNCH |
| MAY19 | ---- | ---- | 479.289 | - 4.567 | ---- | ---- | 11 | UNCH |
| JUN19 | ---- | ---- | 476.239 | - 4.539 | ---- | ---- | 11 | UNCH |
| JUL19 | ---- | ---- | 474.229 | - 3.508 | ---- | ---- | 11 | UNCH |
| AUG19 | ---- | ---- | 471.198 | - 3.553 | ---- | ---- | 11 | UNCH |
| SEP19 | ---- | ---- | 471.146 | - 3.540 | ---- | ---- | 11 | UNCH |
| OCT19 | ---- | ---- | 471.869 | - 3.510 | ---- | ---- | 11 | UNCH |

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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| 9N FUT | ARGUS PROPAN(SAUDI ARAMCO) | | | | | | | | |
| NOV19 | | ---- | ---- | 471.730 | - 4.260 | ---- | ---- | 11 | UNCH |
| DEC19 | | ---- | ---- | 472.741 | - 4.221 | ---- | ---- | 11 | UNCH |
| TOTAL 9N FUT | | | | | | | 83 | 1618 | + 25 |
| 22 FUT | ARGUS PROPANE FAR E INDX BALMO | | | | | | | | |
| 04JUN18 | | ---- | ---- | 559.851 | + 1.556 | ---- | ---- | 35 | UNCH |
| 05JUN18 | | ---- | ---- | 559.398 | + 1.642 | ---- | ---- | 3 | UNCH |
| 06JUN18 | | ---- | ---- | 559.657 | + 1.739 | ---- | ---- | 11 | UNCH |
| 07JUN18 | | ---- | ---- | 560.010 | + 1.847 | ---- | ---- | 5 | UNCH |
| 12JUN18 | | ---- | ---- | 561.994 | + 2.275 | ---- | ---- | 2 | UNCH |
| 13JUN18 | | ---- | ---- | 562.285 | + 2.464 | ---- | ---- | 3 | UNCH |
| 20JUN18 | | ---- | ---- | 567.146 | + 3.696 | ---- | ---- | 13 | UNCH |
| TOTAL 22 FUT | | | | | | | | 72 | |
| 8L FUT | CONWAY NAT GASOLINE | | | | | | | | |
| JUN18 | | ---- | ---- | 1.23664 | + 0.01000 | ---- | ---- | 133 | UNCH |
| JUL18 | | ---- | ---- | 1.42500 | + 0.06875 | ---- | 15 | 180 | + 15 |
| AUG18 | | ---- | ---- | 1.43000 | + 0.06625 | ---- | ---- | 131 | UNCH |
| SEP18 | | ---- | ---- | 1.43500 | + 0.06375 | ---- | ---- | 126 | UNCH |
| OCT18 | | ---- | ---- | 1.43750 | + 0.06125 | ---- | ---- | 135 | UNCH |
| NOV18 | | ---- | ---- | 1.44000 | + 0.05875 | ---- | ---- | 135 | UNCH |
| DEC18 | | ---- | ---- | 1.44250 | + 0.05875 | ---- | ---- | 135 | UNCH |
| JAN19 | | ---- | ---- | 1.44250 | + 0.05625 | ---- | ---- | 51 | UNCH |
| FEB19 | | ---- | ---- | 1.44250 | + 0.05375 | ---- | ---- | 51 | UNCH |
| MAR19 | | ---- | ---- | 1.44250 | + 0.05125 | ---- | ---- | 51 | UNCH |
| APR19 | | ---- | ---- | 1.44250 | + 0.04875 | ---- | ---- | 2 | UNCH |
| MAY19 | | ---- | ---- | 1.44250 | + 0.04625 | ---- | ---- | 2 | UNCH |
| JUN19 | | ---- | ---- | 1.44250 | + 0.04375 | ---- | ---- | 2 | UNCH |
| JUL19 | | ---- | ---- | 1.44250 | + 0.04125 | ---- | ---- | 2 | UNCH |
| AUG19 | | ---- | ---- | 1.44250 | + 0.03875 | ---- | ---- | 2 | UNCH |
| SEP19 | | ---- | ---- | 1.44250 | + 0.03625 | ---- | ---- | 2 | UNCH |
| OCT19 | | ---- | ---- | 1.44250 | + 0.03375 | ---- | ---- | 2 | UNCH |
| NOV19 | | ---- | ---- | 1.44250 | + 0.03125 | ---- | ---- | 2 | UNCH |
| DEC19 | | ---- | ---- | 1.44250 | + 0.02875 | ---- | ---- | 2 | UNCH |
| TOTAL 8L FUT | | | | | | | 15 | 1146 | + 15 |
| 8M FUT | CONWAY NORMAL BUTANE | | | | | | | | |
| JUN18 | | ---- | ---- | 0.77408 | + 0.00500 | ---- | ---- | 42 | UNCH |
| JUL18 | | ---- | ---- | 0.83000 | + 0.03750 | ---- | ---- | 100 | UNCH |
| AUG18 | | ---- | ---- | 0.84750 | + 0.03500 | ---- | ---- | 40 | UNCH |
| SEP18 | | ---- | ---- | 0.86500 | + 0.03250 | ---- | ---- | 225 | UNCH |
| OCT18 | | ---- | ---- | 0.88250 | + 0.02500 | ---- | ---- | 208 | UNCH |
| NOV18 | | ---- | ---- | 0.90000 | + 0.01750 | ---- | 15 | 248 | UNCH |
| DEC18 | | ---- | ---- | 0.91750 | + 0.01500 | ---- | 32 | 258 | + 10 |
| JAN19 | | ---- | ---- | 0.91750 | + 0.01500 | ---- | ---- | 155 | UNCH |
| FEB19 | | ---- | ---- | 0.87500 | + 0.01500 | ---- | ---- | 100 | UNCH |
| MAR19 | | ---- | ---- | 0.81750 | + 0.01500 | ---- | ---- | 85 | UNCH |
| APR19 | | ---- | ---- | 0.76875 | + 0.01500 | ---- | ---- | 85 | UNCH |
| MAY19 | | ---- | ---- | 0.75375 | + 0.01500 | ---- | ---- | 20 | UNCH |
| JUN19 | | ---- | ---- | 0.76000 | + 0.01500 | ---- | ---- | 20 | UNCH |
| JUL19 | | ---- | ---- | 0.76625 | + 0.01500 | ---- | ---- | 20 | UNCH |
| AUG19 | | ---- | ---- | 0.77250 | + 0.01500 | ---- | ---- | 20 | UNCH |
| SEP19 | | ---- | ---- | 0.77875 | + 0.01500 | ---- | ---- | 20 | UNCH |
| OCT19 | | ---- | ---- | 0.78500 | + 0.01500 | ---- | ---- | 20 | UNCH |
| NOV19 | | ---- | ---- | 0.79125 | + 0.01500 | ---- | ---- | 20 | UNCH |
| DEC19 | | ---- | ---- | 0.79750 | + 0.01500 | ---- | ---- | 20 | UNCH |
| TOTAL 8M FUT | | | | | | | 47 | 1706 | + 10 |
| CPB FUT | CONWAY PROPANE (OPIS) BALMO | | | | | | | | |
| 05JUN18 | | ---- | ---- | 0.66974 | + 0.00467 | ---- | ---- | 6 | UNCH |
| 12JUN18 | | ---- | ---- | 0.66763 | + 0.00634 | ---- | ---- | 10 | UNCH |
| TOTAL CPB FUT | | | | | | | | 16 | |
| 8K FUT | CONWAY PROPANE 5 DEC. | | | | | | | | |
| JUN18 | | ---- | ---- | 0.67369 | + 0.00423 | ---- | ---- | 2493 | UNCH |
| JUL18 | | ---- | ---- | 0.72125 | + 0.03500 | ---- | 315 | 3215 | + 149 |
| AUG18 | | ---- | ---- | 0.73250 | + 0.03125 | ---- | 60 | 1955 | - 10 |
| SEP18 | | ---- | ---- | 0.74375 | + 0.02875 | ---- | 277 | 2140 | + 132 |
| OCT18 | | ---- | ---- | 0.76063 | + 0.02750 | ---- | 83 | 2274 | + 31 |
| NOV18 | | ---- | ---- | 0.77625 | + 0.02500 | ---- | 133 | 2149 | - 31 |
| DEC18 | | ---- | ---- | 0.79250 | + 0.02437 | ---- | 172 | 2067 | - 32 |
| JAN19 | | ---- | ---- | 0.80250 | + 0.02125 | ---- | 164 | 1666 | + 75 |
| FEB19 | | ---- | ---- | 0.78750 | + 0.02187 | ---- | 89 | 1433 | + 60 |
| MAR19 | | ---- | ---- | 0.73938 | + 0.02375 | ---- | 73 | 1376 | + 56 |
| APR19 | | ---- | ---- | 0.69125 | + 0.02187 | ---- | 19 | 375 | + 2 |
| MAY19 | | ---- | ---- | 0.67438 | + 0.02125 | ---- | 17 | 373 | UNCH |
| JUN19 | | ---- | ---- | 0.66563 | + 0.02125 | ---- | 17 | 370 | UNCH |
| JUL19 | | ---- | ---- | 0.67188 | + 0.01813 | ---- | 17 | 393 | + 5 |

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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| 8K FUT | CONWAY PROPANE 5 DEC. | | | | | | | | |
| AUG19 | | ---- | ---- | 0.67938 | + 0.01625 | ---- | 17 | 393 | + 5 |
| SEP19 | | ---- | ---- | 0.68813 | + 0.01500 | ---- | 17 | 393 | + 5 |
| OCT19 | | ---- | ---- | 0.69750 | + 0.01375 | ---- | 17 | 240 | + 17 |
| NOV19 | | ---- | ---- | 0.70625 | + 0.01312 | ---- | 17 | 240 | + 17 |
| DEC19 | | ---- | ---- | 0.71438 | + 0.01250 | ---- | 17 | 240 | + 12 |
| JAN20 | | ---- | ---- | 0.71938 | + 0.01188 | ---- | ---- | 52 | UNCH |
| FEB20 | | ---- | ---- | 0.70063 | + 0.01813 | ---- | ---- | 52 | UNCH |
| MAR20 | | ---- | ---- | 0.67063 | + 0.01938 | ---- | ---- | 52 | UNCH |
| APR20 | | ---- | ---- | 0.65563 | + 0.01938 | ---- | ---- | 27 | UNCH |
| MAY20 | | ---- | ---- | 0.64563 | + 0.01938 | ---- | ---- | 27 | UNCH |
| JUN20 | | ---- | ---- | 0.65125 | + 0.01937 | ---- | ---- | 27 | UNCH |
| JUL20 | | ---- | ---- | 0.65813 | + 0.01938 | ---- | ---- | 27 | UNCH |
| AUG20 | | ---- | ---- | 0.66500 | + 0.01937 | ---- | ---- | 27 | UNCH |
| SEP20 | | ---- | ---- | 0.67313 | + 0.01938 | ---- | ---- | 27 | UNCH |
| OCT20 | | ---- | ---- | 0.68188 | + 0.01938 | ---- | ---- | 27 | UNCH |
| NOV20 | | ---- | ---- | 0.69063 | + 0.01938 | ---- | ---- | 27 | UNCH |
| DEC20 | | ---- | ---- | 0.69938 | + 0.01938 | ---- | ---- | 21 | UNCH |
| TOTAL 8K FUT | | | | | | | 1521 | 24178 | + 493 |
| 32 FUT | EUR PROPANE CIF ARA ARGUS BALMO | | | | | | | | |
| 04JUN18 | | ---- | ---- | 522.11 | + 1.42 | ---- | ---- | 19 | UNCH |
| 05JUN18 | | ---- | ---- | 522.17 | + 1.49 | ---- | ---- | 2 | UNCH |
| 06JUN18 | | ---- | ---- | 522.37 | + 1.57 | ---- | ---- | 18 | UNCH |
| 07JUN18 | | ---- | ---- | 522.95 | + 1.66 | ---- | ---- | 10 | UNCH |
| 08JUN18 | | ---- | ---- | 523.35 | + 1.77 | ---- | ---- | 5 | UNCH |
| 14JUN18 | | ---- | ---- | 523.14 | + 2.36 | ---- | ---- | 2 | UNCH |
| 15JUN18 | | ---- | ---- | 523.56 | + 2.57 | ---- | ---- | 10 | UNCH |
| 18JUN18 | | ---- | ---- | 525.47 | + 2.83 | ---- | ---- | 5 | UNCH |
| 19JUN18 | | ---- | ---- | 527.41 | + 3.15 | ---- | ---- | 5 | UNCH |
| TOTAL 32 FUT | | | | | | | | 76 | |
| PS FUT | EURO PROPANE CIF ARA | | | | | | | | |
| JUN18 | | ---- | ---- | 523.03 | + 1.35 | ---- | ---- | 234 | UNCH |
| JUL18 | | ---- | ---- | 541.98 | + 8.74 | ---- | 12 | 252 | + 5 |
| AUG18 | | ---- | ---- | 538.73 | + 7.69 | ---- | 14 | 205 | + 5 |
| SEP18 | | ---- | ---- | 538.78 | + 6.97 | ---- | 23 | 165 | + 8 |
| OCT18 | | ---- | ---- | 538.86 | + 6.14 | ---- | 5 | 157 | UNCH |
| NOV18 | | ---- | ---- | 539.83 | + 5.96 | ---- | 5 | 119 | UNCH |
| DEC18 | | ---- | ---- | 538.31 | + 5.93 | ---- | 5 | 150 | UNCH |
| JAN19 | | ---- | ---- | 535.73 | + 5.97 | ---- | 8 | 45 | + 4 |
| FEB19 | | ---- | ---- | 522.81 | + 4.30 | ---- | 8 | 40 | + 4 |
| MAR19 | | ---- | ---- | 496.62 | + 2.39 | ---- | 8 | 37 | + 4 |
| APR19 | | ---- | ---- | 470.61 | + 1.25 | ---- | 8 | 49 | + 5 |
| MAY19 | | ---- | ---- | 456.54 | + 0.18 | ---- | 8 | 29 | + 5 |
| JUN19 | | ---- | ---- | 453.49 | + 0.21 | ---- | 8 | 29 | + 5 |
| JUL19 | | ---- | ---- | 454.48 | - 0.76 | ---- | 8 | 23 | + 4 |
| AUG19 | | ---- | ---- | 456.45 | - 0.80 | ---- | 8 | 23 | + 4 |
| SEP19 | | ---- | ---- | 458.40 | - 0.79 | ---- | 8 | 23 | + 4 |
| OCT19 | | ---- | ---- | 460.12 | - 0.76 | ---- | 8 | 23 | + 5 |
| NOV19 | | ---- | ---- | 461.98 | - 1.51 | ---- | 8 | 23 | + 5 |
| DEC19 | | ---- | ---- | 464.99 | - 1.47 | ---- | 8 | 34 | + 4 |
| JAN20 | | ---- | ---- | 466.09 | - 1.16 | ---- | ---- | 14 | UNCH |
| FEB20 | | ---- | ---- | 463.01 | - 1.24 | ---- | ---- | 1 | UNCH |
| MAR20 | | ---- | ---- | 448.10 | - 1.07 | ---- | ---- | 1 | UNCH |
| TOTAL PS FUT | | | | | | | 160 | 1676 | + 71 |
| MPS FUT | MINI EURO PROPANE CIF ARA ARGUS FUT | | | | | | | | |
| JUN18 | | ---- | ---- | 523.03 | + 1.35 | ---- | ---- | 60 | UNCH |
| JUL18 | | ---- | ---- | 541.98 | + 8.74 | ---- | ---- | 70 | UNCH |
| AUG18 | | ---- | ---- | 538.73 | + 7.69 | ---- | ---- | 20 | UNCH |
| SEP18 | | ---- | ---- | 538.78 | + 6.97 | ---- | ---- | 10 | UNCH |
| OCT18 | | ---- | ---- | 538.86 | + 6.14 | ---- | ---- | 10 | UNCH |
| DEC18 | | ---- | ---- | 538.31 | + 5.93 | ---- | ---- | 10 | UNCH |
| JAN19 | | ---- | ---- | 535.73 | + 5.97 | ---- | ---- | 10 | UNCH |
| FEB19 | | ---- | ---- | 522.81 | + 4.30 | ---- | ---- | 25 | UNCH |
| MAR19 | | ---- | ---- | 496.62 | + 2.39 | ---- | ---- | 15 | UNCH |
| APR19 | | ---- | ---- | 470.61 | + 1.25 | ---- | ---- | 10 | UNCH |
| JUL19 | | ---- | ---- | 454.48 | - 0.76 | ---- | ---- | 15 | UNCH |
| AUG19 | | ---- | ---- | 456.45 | - 0.80 | ---- | ---- | 15 | UNCH |
| SEP19 | | ---- | ---- | 458.40 | - 0.79 | ---- | ---- | 15 | UNCH |
| OCT19 | | ---- | ---- | 460.12 | - 0.76 | ---- | ---- | 15 | UNCH |
| NOV19 | | ---- | ---- | 461.98 | - 1.51 | ---- | ---- | 15 | UNCH |
| DEC19 | | ---- | ---- | 464.99 | - 1.47 | ---- | ---- | 15 | UNCH |
| TOTAL MPS FUT | | | | | | | | 330 | |
| 8C FUT | MT BELIVIEU ETHANE BALMO | | | | | | | | |
| 05JUN18 | | ---- | ---- | 0.32997 | + 0.00221 | ---- | ---- | 55 | UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|
| 8C FUT | MT BELIVIEU ETHANE BALMO | | | | | |
| 07JUN18 | ---- | ---- | 0.33254 + 0.00247 | ---- | ---- | 25 UNCH |
| TOTAL 8C FUT | | | | | | 80 |
| 8O FUT | MT BELIVIEU LDH PROPANE BALMO | | | | | |
| 04JUN18 | ---- | ---- | 0.87584 + 0.00271 | ---- | ---- | 135 UNCH |
| 05JUN18 | ---- | ---- | 0.87447 + 0.00286 | ---- | ---- | 220 UNCH |
| 06JUN18 | ---- | ---- | 0.87424 + 0.00302 | ---- | ---- | 420 UNCH |
| 07JUN18 | ---- | ---- | 0.87467 + 0.00320 | ---- | ---- | 165 UNCH |
| 08JUN18 | ---- | ---- | 0.87445 + 0.00340 | ---- | ---- | 111 UNCH |
| 11JUN18 | ---- | ---- | 0.87254 + 0.00362 | ---- | ---- | 10 UNCH |
| 14JUN18 | ---- | ---- | 0.86865 + 0.00454 | ---- | ---- | 260 UNCH |
| 15JUN18 | ---- | ---- | 0.86727 + 0.00494 | ---- | ---- | 270 UNCH |
| 18JUN18 | ---- | ---- | 0.86800 + 0.00544 | ---- | ---- | 75 UNCH |
| 21JUN18 | ---- | ---- | 0.87304 + 0.00777 | ---- | ---- | 100 UNCH |
| 27JUN18 | ---- | ---- | 0.90000 + 0.02125 | ---- | ---- | 50 UNCH |
| TOTAL 8O FUT | | | | | | 1816 |
| RO FUT | MT BELIVIEU NAT GASOLINE BALMO | | | | | |
| 04JUN18 | ---- | ---- | 1.48769 + 0.00496 | ---- | ---- | 40 UNCH |
| 05JUN18 | ---- | ---- | 1.48632 + 0.00522 | ---- | ---- | 150 UNCH |
| 07JUN18 | ---- | ---- | 1.48632 + 0.00583 | ---- | ---- | 190 UNCH |
| 11JUN18 | ---- | ---- | 1.48258 + 0.00661 | ---- | ---- | 20 UNCH |
| 13JUN18 | ---- | ---- | 1.47836 + 0.00762 | ---- | ---- | 100 UNCH |
| TOTAL RO FUT | | | | | | 500 |
| 8J FUT | MT BELIVIEU NORMAL BUTANE BALM | | | | | |
| 04JUN18 | ---- | ---- | 1.03366 + 0.00491 | ---- | ---- | 164 UNCH |
| 05JUN18 | ---- | ---- | 1.03441 + 0.00517 | ---- | ---- | 50 UNCH |
| 06JUN18 | ---- | ---- | 1.03563 + 0.00546 | ---- | ---- | 165 UNCH |
| 07JUN18 | ---- | ---- | 1.03699 + 0.00578 | ---- | ---- | 123 UNCH |
| 08JUN18 | ---- | ---- | 1.03668 + 0.00613 | ---- | ---- | 45 UNCH |
| 13JUN18 | ---- | ---- | 1.03385 + 0.00755 | ---- | ---- | 50 UNCH |
| 21JUN18 | ---- | ---- | 1.04634 + 0.01402 | ---- | ---- | 15 UNCH |
| 22JUN18 | ---- | ---- | 1.05469 + 0.01636 | ---- | ---- | 70 UNCH |
| TOTAL 8J FUT | | | | | | 682 |
| CO FUT | MT BELVIEU ETHANE 5-DCML (OPIS) | | | | | |
| JUN18 | ---- | ---- | 0.32637 + 0.00199 | ---- | ---- | 3228 UNCH |
| JUL18 | ---- | ---- | 0.33458 + 0.01333 | ---- | 195 | 2760 + 48 |
| AUG18 | ---- | ---- | 0.31958 + 0.01083 | ---- | 90 | 2318 + 68 |
| SEP18 | ---- | ---- | 0.30708 + 0.00625 | ---- | 90 | 2426 + 68 |
| OCT18 | ---- | ---- | 0.29917 + 0.00334 | ---- | 55 | 3945 + 45 |
| NOV18 | ---- | ---- | 0.29500 + 0.00292 | ---- | 85 | 3271 + 65 |
| DEC18 | ---- | ---- | 0.29167 + 0.00292 | ---- | 55 | 3544 + 45 |
| JAN19 | ---- | ---- | 0.29000 + 0.00208 | ---- | 30 | 1420 - 8 |
| FEB19 | ---- | ---- | 0.28792 + 0.00167 | ---- | 30 | 1266 - 10 |
| MAR19 | ---- | ---- | 0.28375 + 0.00125 | ---- | 30 | 1608 UNCH |
| APR19 | ---- | ---- | 0.27833 + 0.00083 | ---- | 30 | 1016 - 10 |
| MAY19 | ---- | ---- | 0.27708 + 0.00083 | ---- | 30 | 1016 - 10 |
| JUN19 | ---- | ---- | 0.27708 + 0.00083 | ---- | 30 | 1266 - 10 |
| JUL19 | ---- | ---- | 0.27750 + 0.00083 | ---- | 30 | 1005 UNCH |
| AUG19 | ---- | ---- | 0.27875 + 0.00083 | ---- | 30 | 1005 UNCH |
| SEP19 | ---- | ---- | 0.28083 + 0.00083 | ---- | 30 | 1005 UNCH |
| OCT19 | ---- | ---- | 0.28333 + 0.00083 | ---- | 30 | 1026 - 3 |
| NOV19 | ---- | ---- | 0.28583 + 0.00083 | ---- | 30 | 1026 - 3 |
| DEC19 | ---- | ---- | 0.28792 + 0.00084 | ---- | 30 | 1026 - 3 |
| JAN20 | ---- | ---- | 0.29188 + 0.00063 | ---- | ---- | 706 UNCH |
| FEB20 | ---- | ---- | 0.29188 + 0.00063 | ---- | ---- | 671 UNCH |
| MAR20 | ---- | ---- | 0.29063 + 0.00063 | ---- | ---- | 671 UNCH |
| APR20 | ---- | ---- | 0.28688 + 0.00063 | ---- | ---- | 634 UNCH |
| MAY20 | ---- | ---- | 0.28813 + 0.00063 | ---- | ---- | 634 UNCH |
| JUN20 | ---- | ---- | 0.29063 + 0.00063 | ---- | ---- | 634 UNCH |
| JUL20 | ---- | ---- | 0.29292 + 0.00084 | ---- | ---- | 510 UNCH |
| AUG20 | ---- | ---- | 0.29625 + 0.00083 | ---- | ---- | 510 UNCH |
| SEP20 | ---- | ---- | 0.30000 + 0.00083 | ---- | ---- | 510 UNCH |
| OCT20 | ---- | ---- | 0.30333 + 0.00083 | ---- | ---- | 1168 UNCH |
| NOV20 | ---- | ---- | 0.30583 + 0.00083 | ---- | ---- | 1168 UNCH |
| DEC20 | ---- | ---- | 0.30833 + 0.00083 | ---- | ---- | 1168 UNCH |
| JAN21 | ---- | ---- | 0.30689 + 0.00125 | ---- | ---- | 75 UNCH |
| FEB21 | ---- | ---- | 0.30567 + 0.00125 | ---- | ---- | 75 UNCH |
| MAR21 | ---- | ---- | 0.30380 + 0.00125 | ---- | ---- | 75 UNCH |
| APR21 | ---- | ---- | 0.29413 + 0.00125 | ---- | ---- | 75 UNCH |
| MAY21 | ---- | ---- | 0.29407 + 0.00125 | ---- | ---- | 75 UNCH |
| JUN21 | ---- | ---- | 0.29410 + 0.00125 | ---- | ---- | 75 UNCH |
| JUL21 | ---- | ---- | 0.29652 + 0.00125 | ---- | ---- | 75 UNCH |
| AUG21 | ---- | ---- | 0.29893 + 0.00125 | ---- | ---- | 75 UNCH |
| SEP21 | ---- | ---- | 0.30144 + 0.00125 | ---- | ---- | 75 UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| CO FUT | MT BELVIEU ETHANE 5-DCML (OPIS) | | | | | | | |
| OCT21 | ---- | ---- | 0.30386 | + 0.00125 | ---- | ---- | 75 | UNCH |
| NOV21 | ---- | ---- | 0.30626 | + 0.00125 | ---- | ---- | 75 | UNCH |
| DEC21 | ---- | ---- | 0.30867 | + 0.00125 | ---- | ---- | 75 | UNCH |
| JAN22 | ---- | ---- | 0.30439 | + 0.00125 | ---- | ---- | 17 | UNCH |
| FEB22 | ---- | ---- | 0.30317 | + 0.00125 | ---- | ---- | 17 | UNCH |
| MAR22 | ---- | ---- | 0.30130 | + 0.00125 | ---- | ---- | 17 | UNCH |
| APR22 | ---- | ---- | 0.29163 | + 0.00125 | ---- | ---- | 17 | UNCH |
| MAY22 | ---- | ---- | 0.29157 | + 0.00125 | ---- | ---- | 17 | UNCH |
| JUN22 | ---- | ---- | 0.29160 | + 0.00125 | ---- | ---- | 17 | UNCH |
| JUL22 | ---- | ---- | 0.29402 | + 0.00125 | ---- | ---- | 17 | UNCH |
| AUG22 | ---- | ---- | 0.29643 | + 0.00125 | ---- | ---- | 17 | UNCH |
| SEP22 | ---- | ---- | 0.29894 | + 0.00125 | ---- | ---- | 17 | UNCH |
| OCT22 | ---- | ---- | 0.30136 | + 0.00125 | ---- | ---- | 17 | UNCH |
| NOV22 | ---- | ---- | 0.30376 | + 0.00125 | ---- | ---- | 17 | UNCH |
| DEC22 | ---- | ---- | 0.30617 | + 0.00125 | ---- | ---- | 17 | UNCH |
| TOTAL CO FUT | | | | | | 930 | 45265 | + 282 |
| MBN FUT | MT BELVIEU ETHYLENE (PCW) FINCL | | | | | | | |
| JUN18 | ---- | ---- | 0.13958 | UNCH | ---- | ---- | 490 | UNCH |
| JUL18 | ---- | ---- | 0.13000 | UNCH | ---- | 20 | 548 | - 20 |
| AUG18 | ---- | ---- | 0.13250 | UNCH | ---- | ---- | 578 | UNCH |
| SEP18 | ---- | ---- | 0.13500 | UNCH | ---- | ---- | 588 | UNCH |
| OCT18 | ---- | ---- | 0.13625 | UNCH | ---- | ---- | 451 | UNCH |
| NOV18 | ---- | ---- | 0.13875 | UNCH | ---- | ---- | 461 | UNCH |
| DEC18 | ---- | ---- | 0.14125 | UNCH | ---- | ---- | 451 | UNCH |
| JAN19 | ---- | ---- | 0.14625 | UNCH | ---- | ---- | 131 | UNCH |
| FEB19 | ---- | ---- | 0.14750 | UNCH | ---- | ---- | 121 | UNCH |
| MAR19 | ---- | ---- | 0.14875 | UNCH | ---- | ---- | 121 | UNCH |
| APR19 | ---- | ---- | 0.15000 | UNCH | ---- | ---- | 121 | UNCH |
| MAY19 | ---- | ---- | 0.15000 | UNCH | ---- | ---- | 121 | UNCH |
| JUN19 | ---- | ---- | 0.15000 | UNCH | ---- | ---- | 121 | UNCH |
| JUL19 | ---- | ---- | 0.15250 | UNCH | ---- | ---- | 74 | UNCH |
| AUG19 | ---- | ---- | 0.15250 | UNCH | ---- | ---- | 84 | UNCH |
| SEP19 | ---- | ---- | 0.15250 | UNCH | ---- | ---- | 74 | UNCH |
| OCT19 | ---- | ---- | 0.14875 | UNCH | ---- | ---- | 74 | UNCH |
| NOV19 | ---- | ---- | 0.14500 | UNCH | ---- | ---- | 74 | UNCH |
| DEC19 | ---- | ---- | 0.14125 | UNCH | ---- | ---- | 74 | UNCH |
| TOTAL MBN FUT | | | | | | 20 | 4757 | - 20 |
| MBE FUT | MT BELVIEU ETHYLENE IN-WELL (PCW) | | | | | | | |
| JUN18 | ---- | ---- | 0.12750 | UNCH | ---- | ---- | 270 | UNCH |
| JUL18 | ---- | ---- | 0.13000 | UNCH | ---- | ---- | 200 | UNCH |
| AUG18 | ---- | ---- | 0.13250 | UNCH | ---- | ---- | 300 | UNCH |
| SEP18 | ---- | ---- | 0.13500 | UNCH | ---- | ---- | 80 | UNCH |
| OCT18 | ---- | ---- | 0.13625 | UNCH | ---- | ---- | 20 | UNCH |
| NOV18 | ---- | ---- | 0.13875 | UNCH | ---- | ---- | 30 | UNCH |
| DEC18 | ---- | ---- | 0.14125 | UNCH | ---- | ---- | 50 | UNCH |
| JAN19 | ---- | ---- | 0.14625 | UNCH | ---- | ---- | 35 | UNCH |
| FEB19 | ---- | ---- | 0.14750 | UNCH | ---- | ---- | 35 | UNCH |
| MAR19 | ---- | ---- | 0.14875 | UNCH | ---- | ---- | 55 | UNCH |
| APR19 | ---- | ---- | 0.15000 | UNCH | ---- | ---- | 15 | UNCH |
| MAY19 | ---- | ---- | 0.15000 | UNCH | ---- | ---- | 15 | UNCH |
| JUN19 | ---- | ---- | 0.15000 | UNCH | ---- | ---- | 15 | UNCH |
| AUG19 | ---- | ---- | 0.15250 | UNCH | ---- | ---- | 10 | UNCH |
| TOTAL MBE FUT | | | | | | | 1130 | |
| 8I FUT | MT BELVIEU ISO BUTANE 5 DEC. S | | | | | | | |
| JUN18 | ---- | ---- | 1.32690 | - 0.00483 | ---- | ---- | 399 | UNCH |
| JUL18 | ---- | ---- | 1.10792 | + 0.01584 | ---- | ---- | 467 | UNCH |
| AUG18 | ---- | ---- | 1.07417 | + 0.02209 | ---- | ---- | 406 | UNCH |
| SEP18 | ---- | ---- | 1.05958 | + 0.02458 | ---- | ---- | 403 | UNCH |
| OCT18 | ---- | ---- | 1.05583 | + 0.02958 | ---- | ---- | 470 | UNCH |
| NOV18 | ---- | ---- | 1.05375 | + 0.02917 | ---- | ---- | 470 | UNCH |
| DEC18 | ---- | ---- | 1.05125 | + 0.02833 | ---- | ---- | 470 | UNCH |
| JAN19 | ---- | ---- | 1.03875 | + 0.02958 | ---- | ---- | 216 | UNCH |
| FEB19 | ---- | ---- | 1.01750 | + 0.02875 | ---- | ---- | 216 | UNCH |
| MAR19 | ---- | ---- | 0.94917 | + 0.02917 | ---- | ---- | 220 | UNCH |
| APR19 | ---- | ---- | 0.90083 | + 0.02750 | ---- | ---- | 182 | UNCH |
| MAY19 | ---- | ---- | 0.88333 | + 0.02750 | ---- | ---- | 182 | UNCH |
| JUN19 | ---- | ---- | 0.88167 | + 0.02750 | ---- | ---- | 182 | UNCH |
| JUL19 | ---- | ---- | 0.88250 | + 0.02750 | ---- | ---- | 171 | UNCH |
| AUG19 | ---- | ---- | 0.88500 | + 0.02708 | ---- | ---- | 171 | UNCH |
| SEP19 | ---- | ---- | 0.88958 | + 0.02708 | ---- | ---- | 171 | UNCH |
| OCT19 | ---- | ---- | 0.89292 | + 0.02709 | ---- | ---- | 171 | UNCH |
| NOV19 | ---- | ---- | 0.89542 | + 0.02667 | ---- | ---- | 171 | UNCH |
| DEC19 | ---- | ---- | 0.89792 | + 0.02667 | ---- | ---- | 171 | UNCH |
| JAN20 | ---- | ---- | 0.90000 | + 0.02625 | ---- | 3 | 54 | + 3 |

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|---|---|---|---|---|---|---|---|---|
| 8I FUT | MT BELVIEU ISO BUTANE 5 DEC. S | | | | | | | |
| FEB20 | ---- | ---- | 0.88500 | + 0.02625 | ---- | 3 | 54 | + 3 |
| MAR20 | ---- | ---- | 0.86750 | + 0.02625 | ---- | 3 | 54 | + 3 |
| APR20 | ---- | ---- | 0.85563 | + 0.02625 | ---- | 3 | 54 | + 3 |
| MAY20 | ---- | ---- | 0.84938 | + 0.02625 | ---- | 3 | 54 | + 3 |
| JUN20 | ---- | ---- | 0.84875 | + 0.02625 | ---- | 3 | 54 | + 3 |
| JUL20 | ---- | ---- | 0.85125 | + 0.02625 | ---- | 3 | 54 | + 3 |
| AUG20 | ---- | ---- | 0.85500 | + 0.02625 | ---- | 3 | 54 | + 3 |
| SEP20 | ---- | ---- | 0.85781 | + 0.02625 | ---- | 3 | 54 | + 3 |
| OCT20 | ---- | ---- | 0.86344 | + 0.02625 | ---- | 3 | 54 | + 3 |
| NOV20 | ---- | ---- | 0.86906 | + 0.02625 | ---- | 3 | 54 | + 3 |
| DEC20 | ---- | ---- | 0.87406 | + 0.02625 | ---- | 3 | 54 | + 3 |
| TOTAL 8I FUT | | | | | | 36 | 5957 | + 36 |
| 7Q FUT | MT BELVIEU NAT GAS 5-DCML (OPIS) | | | | | | | |
| JUN18 | ---- | ---- | 1.49024 | + 0.00472 | ---- | ---- | 2925 | UNCH |
| JUL18 | ---- | ---- | 1.53958 | + 0.03958 | ---- | 250 | 2237 | + 40 |
| AUG18 | ---- | ---- | 1.54333 | + 0.03833 | ---- | 55 | 1082 | - 50 |
| SEP18 | ---- | ---- | 1.54542 | + 0.03792 | ---- | ---- | 989 | UNCH |
| OCT18 | ---- | ---- | 1.54750 | + 0.03833 | ---- | 20 | 1339 | + 20 |
| NOV18 | ---- | ---- | 1.54938 | + 0.03855 | ---- | 20 | 1303 | + 20 |
| DEC18 | ---- | ---- | 1.55188 | + 0.03938 | ---- | 20 | 1638 | UNCH |
| JAN19 | ---- | ---- | 1.54875 | + 0.03583 | ---- | 10 | 766 | UNCH |
| FEB19 | ---- | ---- | 1.54083 | + 0.03416 | ---- | 10 | 766 | UNCH |
| MAR19 | ---- | ---- | 1.52750 | + 0.03208 | ---- | 10 | 766 | UNCH |
| APR19 | ---- | ---- | 1.51208 | + 0.03083 | ---- | 10 | 654 | UNCH |
| MAY19 | ---- | ---- | 1.49792 | + 0.02917 | ---- | 10 | 654 | UNCH |
| JUN19 | ---- | ---- | 1.48667 | + 0.02834 | ---- | 10 | 654 | UNCH |
| JUL19 | ---- | ---- | 1.47792 | + 0.02792 | ---- | 10 | 586 | UNCH |
| AUG19 | ---- | ---- | 1.47083 | + 0.02750 | ---- | 10 | 586 | UNCH |
| SEP19 | ---- | ---- | 1.47000 | + 0.02667 | ---- | 10 | 586 | UNCH |
| OCT19 | ---- | ---- | 1.46667 | + 0.02584 | ---- | 10 | 556 | UNCH |
| NOV19 | ---- | ---- | 1.46333 | + 0.02500 | ---- | 10 | 556 | UNCH |
| DEC19 | ---- | ---- | 1.45958 | + 0.02416 | ---- | 10 | 802 | + 5 |
| JAN20 | ---- | ---- | 1.45708 | + 0.02416 | ---- | ---- | 20 | UNCH |
| FEB20 | ---- | ---- | 1.44500 | + 0.02417 | ---- | ---- | 20 | UNCH |
| MAR20 | ---- | ---- | 1.42750 | + 0.02417 | ---- | ---- | 20 | UNCH |
| APR20 | ---- | ---- | 1.40917 | + 0.02417 | ---- | ---- | 20 | UNCH |
| MAY20 | ---- | ---- | 1.39167 | + 0.02417 | ---- | ---- | 20 | UNCH |
| JUN20 | ---- | ---- | 1.37708 | + 0.02416 | ---- | ---- | 20 | UNCH |
| JUL20 | ---- | ---- | 1.36542 | + 0.02417 | ---- | ---- | 20 | UNCH |
| AUG20 | ---- | ---- | 1.35667 | + 0.02417 | ---- | ---- | 20 | UNCH |
| SEP20 | ---- | ---- | 1.35375 | + 0.02417 | ---- | ---- | 20 | UNCH |
| OCT20 | ---- | ---- | 1.34708 | + 0.02416 | ---- | ---- | 20 | UNCH |
| NOV20 | ---- | ---- | 1.34042 | + 0.02417 | ---- | ---- | 20 | UNCH |
| DEC20 | ---- | ---- | 1.33292 | + 0.02417 | ---- | ---- | 20 | UNCH |
| TOTAL 7Q FUT | | | | | | 485 | 19685 | + 35 |
| MNB FUT | MT BELVIEU NORMAL BUTANE LDH(OPIS) | | | | | | | |
| JUN18 | ---- | ---- | 0.94488 | + 0.00658 | ---- | ---- | 264 | UNCH |
| JUL18 | ---- | ---- | 0.98625 | + 0.03625 | ---- | ---- | 229 | UNCH |
| AUG18 | ---- | ---- | 0.98500 | + 0.03125 | ---- | 5 | 243 | + 5 |
| SEP18 | ---- | ---- | 0.98500 | + 0.02750 | ---- | ---- | 204 | UNCH |
| OCT18 | ---- | ---- | 0.99125 | + 0.02625 | ---- | 125 | 514 | - 5 |
| NOV18 | ---- | ---- | 0.99250 | + 0.02625 | ---- | 25 | 814 | + 25 |
| DEC18 | ---- | ---- | 0.99250 | + 0.02625 | ---- | 32 | 700 | + 10 |
| JAN19 | ---- | ---- | 0.98750 | + 0.02625 | ---- | 25 | 488 | + 25 |
| FEB19 | ---- | ---- | 0.96750 | + 0.02500 | ---- | 25 | 473 | + 25 |
| MAR19 | ---- | ---- | 0.88625 | + 0.02250 | ---- | ---- | 133 | UNCH |
| APR19 | ---- | ---- | 0.83875 | + 0.02125 | ---- | ---- | 65 | UNCH |
| TOTAL MNB FUT | | | | | | 237 | 4127 | + 85 |
| D0 FUT | MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | | | | | | |
| JUN18 | ---- | ---- | 1.03351 | + 0.00467 | ---- | ---- | 4123 | UNCH |
| JUL18 | ---- | ---- | 1.07125 | + 0.03583 | ---- | 840 | 6823 | + 699 |
| AUG18 | ---- | ---- | 1.05417 | + 0.03209 | ---- | 65 | 3387 | + 65 |
| SEP18 | ---- | ---- | 1.04542 | + 0.02959 | ---- | 60 | 2213 | + 50 |
| OCT18 | ---- | ---- | 1.04167 | + 0.02792 | ---- | 465 | 4412 | + 118 |
| NOV18 | ---- | ---- | 1.03958 | + 0.02750 | ---- | 385 | 4492 | + 105 |
| DEC18 | ---- | ---- | 1.03708 | + 0.02666 | ---- | 780 | 3969 | + 231 |
| JAN19 | ---- | ---- | 1.02667 | + 0.02625 | ---- | 93 | 2036 | + 33 |
| FEB19 | ---- | ---- | 1.00542 | + 0.02542 | ---- | 118 | 1884 | + 98 |
| MAR19 | ---- | ---- | 0.93708 | + 0.02583 | ---- | 73 | 1707 | + 23 |
| APR19 | ---- | ---- | 0.88875 | + 0.02542 | ---- | 10 | 838 | UNCH |
| MAY19 | ---- | ---- | 0.87125 | + 0.02542 | ---- | 10 | 697 | UNCH |
| JUN19 | ---- | ---- | 0.86958 | + 0.02541 | ---- | 10 | 697 | UNCH |
| JUL19 | ---- | ---- | 0.87042 | + 0.02542 | ---- | 10 | 715 | UNCH |
| AUG19 | ---- | ---- | 0.87292 | + 0.02500 | ---- | 10 | 715 | UNCH |

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# ENERGY FUTURES PRODUCTS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|
| D0 FUT | MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | | | | |
| SEP19 | ---- | ---- | 0.87750 + 0.02500 | ---- | 10 | 715 UNCH |
| OCT19 | ---- | ---- | 0.88083 + 0.02500 | ---- | 10 | 795 UNCH |
| NOV19 | ---- | ---- | 0.88333 + 0.02458 | ---- | 10 | 795 UNCH |
| DEC19 | ---- | ---- | 0.88583 + 0.02458 | ---- | 10 | 810 UNCH |
| JAN20 | ---- | ---- | 0.88750 + 0.02458 | ---- | 3 | 183 - 3 |
| FEB20 | ---- | ---- | 0.87500 + 0.02458 | ---- | 3 | 183 - 3 |
| MAR20 | ---- | ---- | 0.85333 + 0.02458 | ---- | 3 | 163 - 3 |
| APR20 | ---- | ---- | 0.84042 + 0.02459 | ---- | 3 | 143 - 3 |
| MAY20 | ---- | ---- | 0.83458 + 0.02458 | ---- | 3 | 143 - 3 |
| JUN20 | ---- | ---- | 0.83375 + 0.02458 | ---- | 3 | 143 - 3 |
| JUL20 | ---- | ---- | 0.83542 + 0.02459 | ---- | 3 | 143 - 3 |
| AUG20 | ---- | ---- | 0.83917 + 0.02459 | ---- | 3 | 143 - 3 |
| SEP20 | ---- | ---- | 0.84313 + 0.02459 | ---- | 3 | 143 - 3 |
| OCT20 | ---- | ---- | 0.84854 + 0.02458 | ---- | 3 | 143 - 3 |
| NOV20 | ---- | ---- | 0.85354 + 0.02458 | ---- | 3 | 143 - 3 |
| DEC20 | ---- | ---- | 0.85813 + 0.02459 | ---- | 3 | 143 - 3 |
| TOTAL D0 FUT | | | | | 3005 | 43639 + 1386 |
| B0 FUT | MT BELVIEU PROPANE 5-DCML (OPIS) | | | | | |
| JUN18 | ---- | ---- | 0.87801 + 0.00259 | ---- | ---- | 13729 UNCH |
| JUL18 | ---- | ---- | 0.90125 + 0.02167 | ---- | 852 | 12154 - 80 |
| AUG18 | ---- | ---- | 0.90375 + 0.02167 | ---- | 1739 | 9628 + 176 |
| SEP18 | ---- | ---- | 0.90625 + 0.02208 | ---- | 582 | 9098 + 40 |
| OCT18 | ---- | ---- | 0.90750 + 0.02167 | ---- | 465 | 9067 + 169 |
| NOV18 | 0.88750 | 0.88750 /0.887 | 0.90750 + 0.02167 | 4 | 435 | 9791 + 194 |
| DEC18 | ---- | ---- | 0.90750 + 0.02167 | ---- | 475 | 11264 + 80 |
| JAN19 | ---- | ---- | 0.90083 + 0.02083 | ---- | 289 | 4761 + 21 |
| FEB19 | ---- | ---- | 0.88542 + 0.02042 | ---- | 349 | 4932 + 6 |
| MAR19 | ---- | ---- | 0.82542 + 0.01917 | ---- | 344 | 4026 + 55 |
| APR19 | ---- | ---- | 0.77542 + 0.01917 | ---- | 254 | 3292 + 31 |
| MAY19 | ---- | ---- | 0.75958 + 0.01875 | ---- | 254 | 3465 + 29 |
| JUN19 | ---- | ---- | 0.75542 + 0.01875 | ---- | 254 | 3373 + 19 |
| JUL19 | ---- | ---- | 0.75625 + 0.01833 | ---- | 184 | 2060 + 10 |
| AUG19 | ---- | ---- | 0.75875 + 0.01833 | ---- | 184 | 2153 + 10 |
| SEP19 | ---- | ---- | 0.76208 + 0.01833 | ---- | 184 | 2053 + 10 |
| OCT19 | ---- | ---- | 0.76500 + 0.01875 | ---- | 184 | 2221 + 23 |
| NOV19 | ---- | ---- | 0.76750 + 0.01875 | ---- | 184 | 2073 + 17 |
| DEC19 | ---- | ---- | 0.77000 + 0.01875 | ---- | 184 | 2111 + 17 |
| JAN20 | ---- | ---- | 0.77417 + 0.01875 | ---- | 50 | 1215 + 50 |
| FEB20 | ---- | ---- | 0.76583 + 0.01875 | ---- | 50 | 1216 + 50 |
| MAR20 | ---- | ---- | 0.74208 + 0.01833 | ---- | 50 | 1186 + 50 |
| APR20 | ---- | ---- | 0.72875 + 0.01833 | ---- | 50 | 1301 + 27 |
| MAY20 | ---- | ---- | 0.72625 + 0.01833 | ---- | 50 | 1298 + 27 |
| JUN20 | ---- | ---- | 0.72667 + 0.01834 | ---- | 50 | 1301 + 27 |
| JUL20 | ---- | ---- | 0.73083 + 0.01833 | ---- | ---- | 1070 UNCH |
| AUG20 | ---- | ---- | 0.73500 + 0.01833 | ---- | ---- | 1070 UNCH |
| SEP20 | ---- | ---- | 0.74167 + 0.01834 | ---- | ---- | 1070 UNCH |
| OCT20 | ---- | ---- | 0.74625 + 0.01833 | ---- | ---- | 1135 UNCH |
| NOV20 | ---- | ---- | 0.75000 + 0.01833 | ---- | ---- | 1135 UNCH |
| DEC20 | ---- | ---- | 0.75375 + 0.01833 | ---- | ---- | 1157 UNCH |
| JAN21 | ---- | ---- | 0.75855 + 0.01760 | ---- | ---- | 70 UNCH |
| FEB21 | ---- | ---- | 0.75595 + 0.01760 | ---- | ---- | 70 UNCH |
| MAR21 | ---- | ---- | 0.71940 + 0.01760 | ---- | ---- | 80 UNCH |
| APR21 | ---- | ---- | 0.71013 + 0.01760 | ---- | ---- | 70 UNCH |
| MAY21 | ---- | ---- | 0.70771 + 0.01760 | ---- | ---- | 70 UNCH |
| JUN21 | ---- | ---- | 0.70892 + 0.01760 | ---- | ---- | 70 UNCH |
| JUL21 | ---- | ---- | 0.71374 + 0.01760 | ---- | ---- | 70 UNCH |
| AUG21 | ---- | ---- | 0.71874 + 0.01760 | ---- | ---- | 70 UNCH |
| SEP21 | ---- | ---- | 0.72700 + 0.01760 | ---- | ---- | 70 UNCH |
| OCT21 | ---- | ---- | 0.73180 + 0.01760 | ---- | ---- | 70 UNCH |
| NOV21 | ---- | ---- | 0.73664 + 0.01760 | ---- | ---- | 70 UNCH |
| DEC21 | ---- | ---- | 0.74145 + 0.01760 | ---- | ---- | 70 UNCH |
| JAN22 | ---- | ---- | 0.74506 + 0.01761 | ---- | ---- | 60 UNCH |
| FEB22 | ---- | ---- | 0.74187 + 0.01761 | ---- | ---- | 60 UNCH |
| MAR22 | ---- | ---- | 0.71768 + 0.01761 | ---- | ---- | 60 UNCH |
| APR22 | ---- | ---- | 0.70206 + 0.01761 | ---- | ---- | 60 UNCH |
| MAY22 | ---- | ---- | 0.69956 + 0.01761 | ---- | ---- | 60 UNCH |
| JUN22 | ---- | ---- | 0.70081 + 0.01761 | ---- | ---- | 60 UNCH |
| JUL22 | ---- | ---- | 0.70643 + 0.01761 | ---- | ---- | 60 UNCH |
| AUG22 | ---- | ---- | 0.71206 + 0.01761 | ---- | ---- | 60 UNCH |
| SEP22 | ---- | ---- | 0.72143 + 0.01761 | ---- | ---- | 60 UNCH |
| OCT22 | ---- | ---- | 0.72706 + 0.01761 | ---- | ---- | 60 UNCH |
| NOV22 | ---- | ---- | 0.73268 + 0.01761 | ---- | ---- | 60 UNCH |
| DEC22 | ---- | ---- | 0.73831 + 0.01761 | ---- | ---- | 60 UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|
| TOTAL B0 FUT | | | | 4 | 7696 | 126975 + 1058 |
| 1R FUT | PROPANE NON LDH MT BELVIEU | | | | | |
| JUN18 | ---- | ---- | 0.87976 + 0.00271 | ---- | ---- | 4708 UNCH |
| JUL18 | ---- | ---- | 0.90125 + 0.02167 | ---- | 40 | 5080 + 40 |
| AUG18 | ---- | ---- | 0.90375 + 0.02167 | ---- | 50 | 3686 + 25 |
| SEP18 | ---- | ---- | 0.90625 + 0.02208 | ---- | ---- | 3590 UNCH |
| OCT18 | ---- | ---- | 0.90750 + 0.02167 | ---- | ---- | 4298 UNCH |
| NOV18 | ---- | ---- | 0.90750 + 0.02167 | ---- | ---- | 3817 UNCH |
| DEC18 | ---- | ---- | 0.90750 + 0.02167 | ---- | ---- | 3873 UNCH |
| JAN19 | ---- | ---- | 0.90083 + 0.02083 | ---- | 75 | 1780 + 17 |
| FEB19 | ---- | ---- | 0.88542 + 0.02042 | ---- | 75 | 1541 + 17 |
| MAR19 | ---- | ---- | 0.82542 + 0.01917 | ---- | 75 | 1541 + 17 |
| APR19 | ---- | ---- | 0.77542 + 0.01917 | ---- | 60 | 1279 + 2 |
| MAY19 | ---- | ---- | 0.75958 + 0.01875 | ---- | 60 | 1279 + 2 |
| JUN19 | ---- | ---- | 0.75542 + 0.01875 | ---- | 60 | 1279 + 2 |
| JUL19 | ---- | ---- | 0.75625 + 0.01833 | ---- | 60 | 1234 + 2 |
| AUG19 | ---- | ---- | 0.75875 + 0.01833 | ---- | 60 | 1234 + 2 |
| SEP19 | ---- | ---- | 0.76208 + 0.01833 | ---- | 60 | 1234 + 2 |
| OCT19 | ---- | ---- | 0.76500 + 0.01875 | ---- | 60 | 1234 + 2 |
| NOV19 | ---- | ---- | 0.76750 + 0.01875 | ---- | 60 | 1234 + 2 |
| DEC19 | ---- | ---- | 0.77000 + 0.01875 | ---- | 60 | 1234 + 2 |
| JAN20 | ---- | ---- | 0.77417 + 0.01875 | ---- | 50 | 452 + 50 |
| FEB20 | ---- | ---- | 0.76583 + 0.01875 | ---- | 50 | 452 + 50 |
| MAR20 | ---- | ---- | 0.74208 + 0.01833 | ---- | 50 | 452 + 50 |
| APR20 | ---- | ---- | 0.72875 + 0.01833 | ---- | 50 | 452 + 50 |
| MAY20 | ---- | ---- | 0.72625 + 0.01833 | ---- | 50 | 452 + 50 |
| JUN20 | ---- | ---- | 0.72667 + 0.01834 | ---- | 50 | 452 + 50 |
| JUL20 | ---- | ---- | 0.73083 + 0.01833 | ---- | ---- | 402 UNCH |
| AUG20 | ---- | ---- | 0.73500 + 0.01833 | ---- | ---- | 402 UNCH |
| SEP20 | ---- | ---- | 0.74167 + 0.01834 | ---- | ---- | 402 UNCH |
| OCT20 | ---- | ---- | 0.74625 + 0.01833 | ---- | ---- | 402 UNCH |
| NOV20 | ---- | ---- | 0.75000 + 0.01833 | ---- | ---- | 402 UNCH |
| DEC20 | ---- | ---- | 0.75375 + 0.01833 | ---- | ---- | 402 UNCH |
| TOTAL 1R FUT | | | | | 1155 | 50279 + 434 |
| 1S FUT | PROPANE NON LDH MT BLV BALMO | | | | | |
| 07JUN18 | ---- | ---- | 0.87581 + 0.00335 | ---- | ---- | 275 UNCH |
| 14JUN18 | ---- | ---- | 0.86958 + 0.00474 | ---- | ---- | 100 UNCH |
| 15JUN18 | ---- | ---- | 0.86818 + 0.00517 | ---- | ---- | 150 UNCH |
| TOTAL 1S FUT | | | | | | 525 |

## ETHANOL FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|
| CU FUT | CHICAGO ETHANOL | | | | | |
| JUN18 | ---- | ---- | 1.4075 UNCH | ---- | ---- | 10474 UNCH |
| JUL18 | 1.4200 | 1.4225 /1.4200 | 1.4200 + 0.0200 | 25 | 2311 | 12925 + 249 |
| AUG18 | ---- | ---- | 1.4325 + 0.0150 | ---- | 1283 | 7886 + 500 |
| SEP18 | ---- | ---- | 1.4425 + 0.0125 | ---- | 1342 | 8482 - 100 |
| OCT18 | 1.4325 | 1.4325 /1.4325 | 1.4400 + 0.0125 | 10 | 375 | 3920 + 58 |
| NOV18 | 1.4250 | 1.4250 /1.4250 | 1.4300 + 0.0100 | 10 | 252 | 3595 + 51 |
| DEC18 | 1.4175 | 1.4175 /1.4175 | 1.4200 + 0.0075 | 10 | 570 | 8442 - 170 |
| JAN19 | ---- | ---- | 1.4125 + 0.0050 | ---- | ---- | 1337 UNCH |
| FEB19 | ---- | ---- | 1.4200 + 0.0050 | ---- | 42 | 304 + 27 |
| MAR19 | ---- | ---- | 1.4350 + 0.0050 | ---- | ---- | 333 UNCH |
| APR19 | ---- | ---- | 1.4525 + 0.0050 | ---- | ---- | 40 UNCH |
| MAY19 | ---- | ---- | 1.4675 + 0.0050 | ---- | ---- | 40 UNCH |
| JUN19 | ---- | ---- | 1.4825 + 0.0050 | ---- | ---- | 40 UNCH |
| JUL19 | ---- | ---- | 1.4875 + 0.0050 | ---- | ---- | 10 UNCH |
| SEP19 | ---- | ---- | 1.4975 + 0.0050 | ---- | ---- | 10 UNCH |
| TOTAL CU FUT | | | | 55 | 6175 | 57838 + 615 |
| Z1 FUT | ETHANOL(PL) T2 FOB RTRDM INCL | | | | | |
| JUN18 | ---- | ---- | 470.679 + 0.191 | ---- | ---- | 717 UNCH |
| JUL18 | ---- | ---- | 472.000 - 1.000 | ---- | 10 | 999 + 10 |
| AUG18 | ---- | ---- | 472.000 - 1.000 | ---- | 10 | 674 + 10 |
| SEP18 | ---- | ---- | 471.000 - 2.000 | ---- | 25 | 607 + 25 |
| OCT18 | ---- | ---- | 471.000 UNCH | ---- | 20 | 397 - 20 |
| NOV18 | ---- | ---- | 468.000 UNCH | ---- | 20 | 392 - 20 |
| DEC18 | ---- | ---- | 464.000 UNCH | ---- | 20 | 482 - 20 |
| JAN19 | ---- | ---- | 464.000 UNCH | ---- | 30 | 135 - 20 |
| FEB19 | ---- | ---- | 464.000 UNCH | ---- | 30 | 135 - 20 |
| MAR19 | ---- | ---- | 464.000 UNCH | ---- | ---- | 155 UNCH |
| TOTAL Z1 FUT | | | | | 165 | 4693 - 55 |
| MT2 FUT | METHANOL T2 FOB RDAM (ICIS) FUTURES | | | | | |
| JUN18 | ---- | ---- | 385.00 UNCH | ---- | ---- | 10 UNCH |
| JUL18 | ---- | ---- | 373.00 UNCH | ---- | ---- | 10 UNCH |
| AUG18 | ---- | ---- | 362.00 UNCH | ---- | ---- | 20 UNCH |
| OCT18 | ---- | ---- | 359.00 UNCH | ---- | ---- | 20 UNCH |
| NOV18 | ---- | ---- | 349.00 UNCH | ---- | ---- | 20 UNCH |
| DEC18 | ---- | ---- | 339.00 UNCH | ---- | ---- | 20 UNCH |
| TOTAL MT2 FUT | | | | | | 100 |
| EZ FUT | NEW YORK ETHANOL | | | | | |
| JUN18 | ---- | ---- | 1.5250 + 0.0025 | ---- | ---- | 325 UNCH |
| JUL18 | ---- | ---- | 1.5300 + 0.0200 | ---- | ---- | 400 UNCH |

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| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| EZ FUT | NEW YORK ETHANOL | | | | | | |
| AUG18 | | ---- | ---- | 1.5325 + 0.0175 | ---- | ---- | 240 UNCH |
| SEP18 | | ---- | ---- | 1.5425 + 0.0150 | ---- | ---- | 240 UNCH |
| OCT18 | | ---- | ---- | 1.5400 + 0.0125 | ---- | ---- | 265 UNCH |
| NOV18 | | ---- | ---- | 1.5300 + 0.0100 | ---- | ---- | 265 UNCH |
| DEC18 | | ---- | ---- | 1.5200 + 0.0075 | ---- | ---- | 265 UNCH |
| TOTAL EZ FUT | | | | | | | 2000 |

## ELECTRICITY FUTURES PRODUCTS

| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| VD FUT | AEP-DAYTON HUB DAILY | | | | | | |
| 25JUN18 | | ---- | ---- | 30.40 UNCH | ---- | ---- | 0 - 34 |
| 26JUN18 | | ---- | ---- | 27.50 - 5.50 | ---- | ---- | 34 UNCH |
| 27JUN18 | | ---- | ---- | 31.50 UNCH | ---- | ---- | 34 UNCH |
| 28JUN18 | | ---- | ---- | 38.50 - 4.00 | ---- | ---- | 34 UNCH |
| 29JUN18 | | ---- | ---- | 48.25 + 5.75 | ---- | ---- | 34 UNCH |
| TOTAL VD FUT | | | | | | | 136 - 34 |
| K2 FUT | CIN HUB 5MW D AH O PK | | | | | | |
| JUL18 | | ---- | ---- | 28.30 + 0.80 | ---- | ---- | 14280 UNCH |
| AUG18 | | ---- | ---- | 25.75 + 0.35 | ---- | ---- | 13160 UNCH |
| SEP18 | | ---- | ---- | 24.99 + 0.20 | ---- | ---- | 14560 UNCH |
| OCT18 | | ---- | ---- | 24.98 + 0.11 | ---- | ---- | 13160 UNCH |
| NOV18 | | ---- | ---- | 24.88 + 0.11 | ---- | ---- | 13440 UNCH |
| DEC18 | | ---- | ---- | 27.17 + 0.12 | ---- | ---- | 14840 UNCH |
| TOTAL K2 FUT | | | | | | | 83440 |
| H5 FUT | CIN HUB 5MW D AH PK | | | | | | |
| JUL18 | | ---- | ---- | 44.88 + 1.75 | ---- | 84 | 1092 + 42 |
| AUG18 | | ---- | ---- | 40.08 + 0.70 | ---- | 46 | 1081 + 23 |
| SEP18 | | ---- | ---- | 37.04 + 0.56 | ---- | 190 | 1140 + 95 |
| OCT18 | | ---- | ---- | 34.75 + 0.28 | ---- | 230 | 1518 + 115 |
| NOV18 | | ---- | ---- | 33.94 + 0.32 | ---- | 210 | 1428 + 105 |
| DEC18 | | ---- | ---- | 35.15 + 0.34 | ---- | 40 | 660 + 20 |
| JAN19 | | ---- | ---- | 40.96 + 0.29 | ---- | 44 | 88 + 22 |
| FEB19 | | ---- | ---- | 37.54 + 0.31 | ---- | 120 | 220 + 60 |
| MAR19 | | ---- | ---- | 34.93 + 0.63 | ---- | 126 | 168 + 63 |
| APR19 | | ---- | ---- | 34.32 + 0.12 | ---- | 44 | 66 + 22 |
| MAY19 | | ---- | ---- | 33.80 + 0.05 | ---- | 44 | 110 + 22 |
| JUN19 | | ---- | ---- | 33.68 + 0.15 | ---- | ---- | 140 UNCH |
| JUL19 | | ---- | ---- | 40.45 + 0.49 | ---- | 44 | 44 + 22 |
| AUG19 | | ---- | ---- | 36.70 + 0.46 | ---- | 44 | 44 + 22 |
| SEP19 | | ---- | ---- | 33.88 + 0.23 | ---- | ---- | 20 UNCH |
| NOV19 | | ---- | ---- | 31.85 NEW | ---- | 40 | 20 + 20 |
| DEC19 | | ---- | ---- | 32.89 NEW | ---- | 42 | 21 + 21 |
| JAN20 | | ---- | ---- | 39.39 NEW | ---- | 44 | 22 + 22 |
| FEB20 | | ---- | ---- | 37.56 NEW | ---- | 40 | 20 + 20 |
| MAR20 | | ---- | ---- | 34.67 NEW | ---- | 44 | 22 + 22 |
| APR20 | | ---- | ---- | 32.80 NEW | ---- | 44 | 22 + 22 |
| MAY20 | | ---- | ---- | 32.19 + 0.16 | ---- | 40 | 40 + 20 |
| JUN20 | | ---- | ---- | 32.64 NEW | ---- | 44 | 22 + 22 |
| TOTAL H5 FUT | | | | | | 1604 | 8008 + 802 |
| H4 FUT | CIN HUB 5MW REAL TIME O PK | | | | | | |
| JUL18 | | ---- | ---- | 27.80 + 0.80 | ---- | ---- | 28560 UNCH |
| AUG18 | | ---- | ---- | 25.25 + 0.35 | ---- | ---- | 26320 UNCH |
| SEP18 | | ---- | ---- | 24.49 + 0.20 | ---- | ---- | 29120 UNCH |
| OCT18 | | ---- | ---- | 24.48 + 0.11 | ---- | ---- | 26320 UNCH |
| NOV18 | | ---- | ---- | 24.38 + 0.11 | ---- | ---- | 26880 UNCH |
| DEC18 | | ---- | ---- | 26.67 + 0.12 | ---- | ---- | 29680 UNCH |
| JAN19 | | ---- | ---- | 33.39 + 0.39 | ---- | ---- | 9800 UNCH |
| FEB19 | | ---- | ---- | 31.11 + 0.36 | ---- | ---- | 8800 UNCH |
| MAR19 | | ---- | ---- | 26.75 + 0.27 | ---- | ---- | 10200 UNCH |
| APR19 | | ---- | ---- | 23.50 + 0.23 | ---- | ---- | 9200 UNCH |
| MAY19 | | ---- | ---- | 22.90 + 0.15 | ---- | ---- | 9800 UNCH |
| JUN19 | | ---- | ---- | 22.78 + 0.05 | ---- | ---- | 10000 UNCH |
| JUL19 | | ---- | ---- | 25.70 + 0.13 | ---- | ---- | 9800 UNCH |
| AUG19 | | ---- | ---- | 23.80 + 0.12 | ---- | ---- | 9800 UNCH |
| SEP19 | | ---- | ---- | 23.38 + 0.13 | ---- | ---- | 10000 UNCH |
| OCT19 | | ---- | ---- | 23.31 + 0.07 | ---- | ---- | 9400 UNCH |
| NOV19 | | ---- | ---- | 24.07 + 0.08 | ---- | ---- | 10000 UNCH |
| DEC19 | | ---- | ---- | 25.22 + 0.07 | ---- | ---- | 10200 UNCH |
| JAN20 | | ---- | ---- | 32.17 + 0.17 | ---- | ---- | 2744 UNCH |
| FEB20 | | ---- | ---- | 30.48 + 0.16 | ---- | ---- | 2632 UNCH |
| MAR20 | | ---- | ---- | 26.03 + 0.13 | ---- | ---- | 2744 UNCH |
| APR20 | | ---- | ---- | 23.42 + 0.12 | ---- | ---- | 2576 UNCH |
| MAY20 | | ---- | ---- | 22.25 + 0.12 | ---- | ---- | 2968 UNCH |
| JUN20 | | ---- | ---- | 22.40 + 0.11 | ---- | ---- | 2576 UNCH |
| JUL20 | | ---- | ---- | 25.11 + 0.13 | ---- | ---- | 2632 UNCH |
| AUG20 | | ---- | ---- | 22.86 + 0.12 | ---- | ---- | 2856 UNCH |
| SEP20 | | ---- | ---- | 22.30 + 0.12 | ---- | ---- | 2688 UNCH |
| OCT20 | | ---- | ---- | 22.09 + 0.11 | ---- | ---- | 2744 UNCH |
| NOV20 | | ---- | ---- | 22.25 + 0.12 | ---- | ---- | 2800 UNCH |
| DEC20 | | ---- | ---- | 25.06 + 0.13 | ---- | ---- | 2744 UNCH |
| TOTAL H4 FUT | | | | | | | 316584 |
| H3 FUT | CIN HUB 5MW REAL TIME PK | | | | | | |
| JUL18 | | ---- | ---- | 44.38 + 1.75 | ---- | ---- | 1743 UNCH |
| AUG18 | | ---- | ---- | 39.58 + 0.70 | ---- | ---- | 1909 UNCH |
| SEP18 | | ---- | ---- | 36.54 + 0.56 | ---- | ---- | 1577 UNCH |
| OCT18 | | ---- | ---- | 34.25 + 0.28 | ---- | ---- | 1909 UNCH |
| NOV18 | | ---- | ---- | 33.44 + 0.32 | ---- | ---- | 1743 UNCH |
| DEC18 | | ---- | ---- | 34.65 + 0.34 | ---- | ---- | 1660 UNCH |
| JAN19 | | ---- | ---- | 40.46 + 0.29 | ---- | ---- | 1320 UNCH |
| FEB19 | | ---- | ---- | 37.04 + 0.31 | ---- | ---- | 1200 UNCH |
| MAR19 | | ---- | ---- | 34.43 + 0.63 | ---- | ---- | 1260 UNCH |
| APR19 | | ---- | ---- | 33.82 + 0.12 | ---- | ---- | 1320 UNCH |
| MAY19 | | ---- | ---- | 33.30 + 0.05 | ---- | ---- | 1320 UNCH |
| JUN19 | | ---- | ---- | 33.18 + 0.15 | ---- | ---- | 1200 UNCH |
| JUL19 | | ---- | ---- | 39.95 + 0.49 | ---- | ---- | 1320 UNCH |
| AUG19 | | ---- | ---- | 36.20 + 0.46 | ---- | ---- | 1320 UNCH |
| SEP19 | | ---- | ---- | 33.38 + 0.23 | ---- | ---- | 1200 UNCH |

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|---|---|---|---|---|---|---|---|---|
| H3 FUT | CIN HUB 5MW REAL TIME PK | | | | | | | |
| OCT19 | | ---- | ---- | 31.65 | + 0.13 | ---- | ---- | 1380 UNCH |
| NOV19 | | ---- | ---- | 31.35 | + 0.08 | ---- | ---- | 1200 UNCH |
| DEC19 | | ---- | ---- | 32.39 | + 0.08 | ---- | ---- | 1260 UNCH |
| JAN20 | | ---- | ---- | 38.89 | + 0.15 | ---- | ---- | 154 UNCH |
| FEB20 | | ---- | ---- | 37.06 | + 0.18 | ---- | ---- | 140 UNCH |
| MAR20 | | ---- | ---- | 34.17 | + 0.17 | ---- | ---- | 154 UNCH |
| APR20 | | ---- | ---- | 32.30 | + 0.16 | ---- | ---- | 154 UNCH |
| MAY20 | | ---- | ---- | 31.69 | + 0.16 | ---- | ---- | 140 UNCH |
| JUN20 | | ---- | ---- | 32.14 | + 0.16 | ---- | ---- | 154 UNCH |
| JUL20 | | ---- | ---- | 38.28 | + 0.19 | ---- | ---- | 161 UNCH |
| AUG20 | | ---- | ---- | 35.08 | + 0.17 | ---- | ---- | 147 UNCH |
| SEP20 | | ---- | ---- | 32.04 | + 0.16 | ---- | ---- | 147 UNCH |
| OCT20 | | ---- | ---- | 31.28 | + 0.15 | ---- | ---- | 154 UNCH |
| NOV20 | | ---- | ---- | 31.13 | + 0.15 | ---- | ---- | 140 UNCH |
| DEC20 | | ---- | ---- | 32.30 | + 0.16 | ---- | ---- | 154 UNCH |
| TOTAL H3 FUT | | | | | | | | 27640 |
| EJ FUT | CINERGY HUB OFF-PEAK MONTH | | | | | | | |
| JUN18 | | ---- | ---- | 24.52 | - 0.08 | ---- | ---- | 10 UNCH |
| JUL18 | | ---- | ---- | 27.80 | + 0.80 | ---- | ---- | 10 UNCH |
| AUG18 | | ---- | ---- | 25.25 | + 0.35 | ---- | ---- | 10 UNCH |
| SEP18 | | ---- | ---- | 24.49 | + 0.20 | ---- | ---- | 10 UNCH |
| OCT18 | | ---- | ---- | 24.48 | + 0.11 | ---- | ---- | 10 UNCH |
| NOV18 | | ---- | ---- | 24.38 | + 0.11 | ---- | ---- | 10 UNCH |
| DEC18 | | ---- | ---- | 26.67 | + 0.12 | ---- | ---- | 10 UNCH |
| TOTAL EJ FUT | | | | | | | | 70 |
| EM FUT | CINERGY HUB PEAK MONTH | | | | | | | |
| JUN18 | | ---- | ---- | 37.54 | - 0.73 | ---- | ---- | 24 UNCH |
| JUL18 | | ---- | ---- | 44.38 | + 1.75 | ---- | ---- | 24 UNCH |
| AUG18 | | ---- | ---- | 39.58 | + 0.70 | ---- | ---- | 24 UNCH |
| SEP18 | | ---- | ---- | 36.54 | + 0.56 | ---- | ---- | 24 UNCH |
| OCT18 | | ---- | ---- | 34.25 | + 0.28 | ---- | ---- | 24 UNCH |
| NOV18 | | ---- | ---- | 33.44 | + 0.32 | ---- | ---- | 24 UNCH |
| DEC18 | | ---- | ---- | 34.65 | + 0.34 | ---- | ---- | 24 UNCH |
| TOTAL EM FUT | | | | | | | | 168 |
| I1 FUT | ERCOT HSTN Z MCPE 5 MW PEAK SW | | | | | | | |
| JUL18 | | ---- | ---- | 76.56 | + 1.45 | ---- | ---- | 1050 UNCH |
| AUG18 | | ---- | ---- | 157.28 | + 2.63 | ---- | ---- | 1150 UNCH |
| TOTAL I1 FUT | | | | | | | | 2200 |
| I6 FUT | ERCOT NRTH Z MCPE 5 MW OFFPK S | | | | | | | |
| JUL18 | | ---- | ---- | 36.96 | + 0.70 | ---- | ---- | 28560 UNCH |
| AUG18 | | ---- | ---- | 37.19 | + 0.63 | ---- | ---- | 26320 UNCH |
| SEP18 | | ---- | ---- | 27.11 | + 0.40 | ---- | ---- | 29120 UNCH |
| TOTAL I6 FUT | | | | | | | | 84000 |
| I5 FUT | ERCOT NRTH Z MCPE 5 MW PEAK SW | | | | | | | |
| JUL18 | | ---- | ---- | 80.66 | + 1.53 | ---- | ---- | 1050 UNCH |
| AUG18 | | ---- | ---- | 154.90 | + 2.60 | ---- | ---- | 1150 UNCH |
| SEP18 | | ---- | ---- | 47.06 | + 0.70 | ---- | ---- | 950 UNCH |
| TOTAL I5 FUT | | | | | | | | 3150 |
| I8 FUT | ERCOT NRTH Z MCPE5 OFFPK CLN D | | | | | | | |
| 19JUN18 | | ---- | ---- | 18.75 | UNCH | ---- | ---- | 0 - 560 |
| 20JUN18 | | ---- | ---- | 19.58 | UNCH | ---- | ---- | 560 UNCH |
| 21JUN18 | | ---- | ---- | 20.46 | UNCH | ---- | ---- | 560 UNCH |
| 22JUN18 | | ---- | ---- | 18.33 | UNCH | ---- | ---- | 560 UNCH |
| 23JUN18 | | ---- | ---- | 25.81 | UNCH | ---- | ---- | 1680 UNCH |
| 24JUN18 | | ---- | ---- | 23.04 | UNCH | ---- | ---- | 1680 UNCH |
| 25JUN18 | | ---- | ---- | 19.51 | UNCH | ---- | ---- | 560 UNCH |
| 26JUN18 | | ---- | ---- | 17.78 | - 4.07 | ---- | ---- | 560 UNCH |
| 27JUN18 | | ---- | ---- | 21.67 | - 13.91 | ---- | ---- | 560 UNCH |
| 28JUN18 | | ---- | ---- | 35.58 | UNCH | ---- | ---- | 560 UNCH |
| 29JUN18 | | ---- | ---- | 35.58 | UNCH | ---- | ---- | 560 UNCH |
| 30JUN18 | | ---- | ---- | 35.58 | UNCH | ---- | ---- | 1680 UNCH |
| TOTAL I8 FUT | | | | | | | | 9520 - 560 |
| I7 FUT | ERCOT NRTH Z MCPE5 PEAK CLND D | | | | | | | |
| 19JUN18 | | ---- | ---- | 26.75 | UNCH | ---- | ---- | 0 - 150 |
| 20JUN18 | | ---- | ---- | 36.18 | UNCH | ---- | ---- | 150 UNCH |
| 21JUN18 | | ---- | ---- | 32.46 | UNCH | ---- | ---- | 150 UNCH |
| 22JUN18 | | ---- | ---- | 27.24 | UNCH | ---- | ---- | 150 UNCH |
| 25JUN18 | | ---- | ---- | 32.02 | UNCH | ---- | ---- | 150 UNCH |
| 26JUN18 | | ---- | ---- | 26.77 | - 30.98 | ---- | ---- | 150 UNCH |
| 27JUN18 | | ---- | ---- | 57.01 | - 54.39 | ---- | ---- | 150 UNCH |
| 28JUN18 | | ---- | ---- | 111.40 | UNCH | ---- | ---- | 150 UNCH |
| 29JUN18 | | ---- | ---- | 111.40 | UNCH | ---- | ---- | 150 UNCH |
| TOTAL I7 FUT | | | | | | | | 1200 - 150 |
| DEB FUT | GERMAN POWER BASELOAD CAL MONTH FUT | | | | | | | |
| JUN18 | | ---- | ---- | 42.31 | + 0.01 | ---- | ---- | 2 UNCH |
| JUL18 | | ---- | ---- | 44.65 | + 0.60 | ---- | ---- | 10 UNCH |
| AUG18 | | ---- | ---- | 44.48 | + 0.65 | ---- | ---- | 10 UNCH |
| SEP18 | | ---- | ---- | 46.79 | + 0.60 | ---- | ---- | 10 UNCH |
| OCT18 | | ---- | ---- | 47.34 | + 0.54 | ---- | ---- | 1 UNCH |
| NOV18 | | ---- | ---- | 51.99 | + 0.93 | ---- | ---- | 1 UNCH |
| DEC18 | | ---- | ---- | 47.30 | + 0.67 | ---- | ---- | 1 UNCH |
| JAN19 | | ---- | ---- | 50.28 | + 1.05 | ---- | ---- | 2 UNCH |
| FEB19 | | ---- | ---- | 50.27 | + 1.05 | ---- | ---- | 2 UNCH |
| MAR19 | | ---- | ---- | 43.79 | + 0.94 | ---- | ---- | 2 UNCH |
| APR19 | | ---- | ---- | 38.03 | + 0.87 | ---- | ---- | 2 UNCH |
| MAY19 | | ---- | ---- | 38.03 | + 0.87 | ---- | ---- | 2 UNCH |
| JUN19 | | ---- | ---- | 38.03 | + 0.87 | ---- | ---- | 2 UNCH |
| JUL19 | | ---- | ---- | 39.33 | + 1.30 | ---- | ---- | 2 UNCH |
| AUG19 | | ---- | ---- | 39.33 | + 1.30 | ---- | ---- | 2 UNCH |
| SEP19 | | ---- | ---- | 39.33 | + 1.30 | ---- | ---- | 2 UNCH |
| OCT19 | | ---- | ---- | 44.63 | + 0.90 | ---- | ---- | 2 UNCH |
| NOV19 | | ---- | ---- | 44.63 | + 0.90 | ---- | ---- | 2 UNCH |
| DEC19 | | ---- | ---- | 44.63 | + 0.90 | ---- | ---- | 2 UNCH |
| TOTAL DEB FUT | | | | | | | | 59 |
| IDO FUT | ISO NEW ENG MASS HUB DA OP DAILY | | | | | | | |
| 20JUN18 | | ---- | ---- | 19.56 | UNCH | ---- | ---- | 0 - 256 |
| 21JUN18 | | ---- | ---- | 22.71 | UNCH | ---- | ---- | 256 UNCH |
| 22JUN18 | | ---- | ---- | 22.93 | UNCH | ---- | ---- | 256 UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|
| IDO FUT | ISO NEW ENG MASS HUB DA OP DAILY | | | | | | | |
| 23JUN18 | | ---- | ---- | 22.49 | UNCH | ---- | ---- | 768 UNCH |
| 24JUN18 | | ---- | ---- | 25.46 | UNCH | ---- | ---- | 768 UNCH |
| 25JUN18 | | ---- | ---- | 20.55 | UNCH | ---- | ---- | 256 UNCH |
| 26JUN18 | | ---- | ---- | 21.89 | UNCH | ---- | ---- | 256 UNCH |
| 27JUN18 | | ---- | ---- | 21.16 | UNCH | ---- | ---- | 256 UNCH |
| 28JUN18 | | ---- | ---- | 23.45 | + 2.25 | ---- | ---- | 256 UNCH |
| 29JUN18 | | ---- | ---- | 21.20 | UNCH | ---- | ---- | 256 UNCH |
| 30JUN18 | | ---- | ---- | 21.20 | UNCH | ---- | ---- | 768 UNCH |
| TOTAL IDO FUT | | | | | | | | 4096 - 256 |
| HMW FUT | MIDWEST ISO MICHIGAN HUB 5MW PEAK C | | | | | | | |
| JUN18 | | ---- | ---- | 34.51 | + 0.03 | ---- | ---- | 147 UNCH |
| JUL18 | | ---- | ---- | 45.13 | + 1.75 | ---- | ---- | 147 UNCH |
| AUG18 | | ---- | ---- | 40.33 | + 0.70 | ---- | ---- | 161 UNCH |
| SEP18 | | ---- | ---- | 37.29 | + 0.56 | ---- | ---- | 133 UNCH |
| OCT18 | | ---- | ---- | 35.00 | + 0.28 | ---- | ---- | 161 UNCH |
| NOV18 | | ---- | ---- | 34.19 | + 0.32 | ---- | ---- | 147 UNCH |
| DEC18 | | ---- | ---- | 35.40 | + 0.34 | ---- | ---- | 140 UNCH |
| TOTAL HMW FUT | | | | | | | | 1036 |
| FAD FUT | MISO INDIANA HUB 5MW OFPK CALDAY DA | | | | | | | |
| 19JUN18 | | ---- | ---- | 24.00 | UNCH | ---- | ---- | 0 - 280 |
| 20JUN18 | | ---- | ---- | 21.87 | UNCH | ---- | ---- | 280 UNCH |
| 21JUN18 | | ---- | ---- | 20.64 | UNCH | ---- | ---- | 280 UNCH |
| 22JUN18 | | ---- | ---- | 21.68 | UNCH | ---- | ---- | 280 UNCH |
| 23JUN18 | | ---- | ---- | 25.28 | UNCH | ---- | ---- | 840 UNCH |
| 24JUN18 | | ---- | ---- | 26.88 | UNCH | ---- | ---- | 840 UNCH |
| 25JUN18 | | ---- | ---- | 21.53 | UNCH | ---- | ---- | 280 UNCH |
| 26JUN18 | | ---- | ---- | 24.66 | UNCH | ---- | ---- | 280 UNCH |
| 27JUN18 | | ---- | ---- | 24.90 | UNCH | ---- | ---- | 280 UNCH |
| 28JUN18 | | ---- | ---- | 22.27 | - 3.17 | ---- | ---- | 280 UNCH |
| 29JUN18 | | ---- | ---- | 25.44 | UNCH | ---- | ---- | 280 UNCH |
| 30JUN18 | | ---- | ---- | 25.44 | UNCH | ---- | ---- | 840 UNCH |
| TOTAL FAD FUT | | | | | | | | 4760 - 280 |
| FTD FUT | MISO INDIANA HUB 5MW OFPK CALDAY RT | | | | | | | |
| 19JUN18 | | ---- | ---- | 22.81 | UNCH | ---- | ---- | 0 - 560 |
| 20JUN18 | | ---- | ---- | 21.88 | UNCH | ---- | ---- | 560 UNCH |
| 21JUN18 | | ---- | ---- | 22.40 | UNCH | ---- | ---- | 560 UNCH |
| 22JUN18 | | ---- | ---- | 20.88 | UNCH | ---- | ---- | 560 UNCH |
| 23JUN18 | | ---- | ---- | 29.24 | UNCH | ---- | ---- | 1680 UNCH |
| 24JUN18 | | ---- | ---- | 25.67 | UNCH | ---- | ---- | 1680 UNCH |
| 25JUN18 | | ---- | ---- | 20.39 | UNCH | ---- | ---- | 560 UNCH |
| 26JUN18 | | ---- | ---- | 20.89 | - 3.84 | ---- | ---- | 560 UNCH |
| 27JUN18 | | ---- | ---- | 24.73 | UNCH | ---- | ---- | 560 UNCH |
| 28JUN18 | | ---- | ---- | 24.73 | UNCH | ---- | ---- | 560 UNCH |
| 29JUN18 | | ---- | ---- | 24.73 | UNCH | ---- | ---- | 560 UNCH |
| 30JUN18 | | ---- | ---- | 24.73 | UNCH | ---- | ---- | 1680 UNCH |
| TOTAL FTD FUT | | | | | | | | 9520 - 560 |
| PDD FUT | MISO INDIANA HUB 5MW PK CAL DAYHD | | | | | | | |
| 19JUN18 | | ---- | ---- | 39.99 | UNCH | ---- | ---- | 0 - 36 |
| 20JUN18 | | ---- | ---- | 31.20 | UNCH | ---- | ---- | 36 UNCH |
| 21JUN18 | | ---- | ---- | 32.34 | UNCH | ---- | ---- | 36 UNCH |
| 22JUN18 | | ---- | ---- | 40.58 | UNCH | ---- | ---- | 36 UNCH |
| 25JUN18 | | ---- | ---- | 36.63 | UNCH | ---- | ---- | 36 UNCH |
| 26JUN18 | | ---- | ---- | 51.23 | UNCH | ---- | ---- | 36 UNCH |
| 27JUN18 | | ---- | ---- | 46.42 | UNCH | ---- | ---- | 36 UNCH |
| 28JUN18 | | ---- | ---- | 39.50 | - 7.50 | ---- | ---- | 36 UNCH |
| 29JUN18 | | ---- | ---- | 51.50 | + 4.50 | ---- | ---- | 36 UNCH |
| TOTAL PDD FUT | | | | | | | | 288 - 36 |
| PTD FUT | MISO INDIANA HUB 5MW PK CAL-DAY RT | | | | | | | |
| 18JUN18 | | ---- | ---- | 36.69 | UNCH | ---- | ---- | 0 - 83 |
| 19JUN18 | | ---- | ---- | 44.28 | UNCH | ---- | ---- | 83 UNCH |
| 20JUN18 | | ---- | ---- | 105.86 | UNCH | ---- | ---- | 83 UNCH |
| 21JUN18 | | ---- | ---- | 27.07 | UNCH | ---- | ---- | 83 UNCH |
| 22JUN18 | | ---- | ---- | 29.82 | UNCH | ---- | ---- | 83 UNCH |
| 25JUN18 | | ---- | ---- | 35.59 | UNCH | ---- | ---- | 83 UNCH |
| 26JUN18 | | ---- | ---- | 25.96 | - 14.54 | ---- | ---- | 83 UNCH |
| 27JUN18 | | ---- | ---- | 38.50 | UNCH | ---- | ---- | 83 UNCH |
| 28JUN18 | | ---- | ---- | 41.75 | - 5.25 | ---- | ---- | 83 UNCH |
| 29JUN18 | | ---- | ---- | 51.50 | + 4.50 | ---- | ---- | 83 UNCH |
| TOTAL PTD FUT | | | | | | | | 747 - 83 |
| HMO FUT | MISO MICHIGAN HUB OF-PK DA MONTHLY | | | | | | | |
| JUN18 | | ---- | ---- | 25.05 | - 0.04 | ---- | ---- | 2688 UNCH |
| JUL18 | | ---- | ---- | 27.80 | + 0.80 | ---- | ---- | 2856 UNCH |
| AUG18 | | ---- | ---- | 25.25 | + 0.35 | ---- | ---- | 2632 UNCH |
| SEP18 | | ---- | ---- | 24.49 | + 0.20 | ---- | ---- | 2912 UNCH |
| OCT18 | | ---- | ---- | 24.48 | + 0.11 | ---- | ---- | 2632 UNCH |
| NOV18 | | ---- | ---- | 24.38 | + 0.11 | ---- | ---- | 2688 UNCH |
| DEC18 | | ---- | ---- | 26.67 | + 0.12 | ---- | ---- | 2968 UNCH |
| TOTAL HMO FUT | | | | | | | | 19376 |
| UD FUT | N ILLINOIS HUB DAILY | | | | | | | |
| 25JUN18 | | ---- | ---- | 29.07 | UNCH | ---- | ---- | 0 - 89 |
| 26JUN18 | | ---- | ---- | 26.99 | - 0.51 | ---- | ---- | 89 UNCH |
| 27JUN18 | | ---- | ---- | 28.50 | UNCH | ---- | ---- | 89 UNCH |
| 28JUN18 | | ---- | ---- | 37.50 | UNCH | ---- | ---- | 89 UNCH |
| 29JUN18 | | ---- | ---- | 42.00 | + 4.50 | ---- | ---- | 89 UNCH |
| TOTAL UD FUT | | | | | | | | 356 - 89 |
| H2 FUT | NEPOOL INTR HUB 5MW D AH O PK | | | | | | | |
| JUL18 | | ---- | ---- | 27.35 | + 1.10 | ---- | ---- | 13056 UNCH |
| AUG18 | | ---- | ---- | 24.78 | + 1.48 | ---- | ---- | 12032 UNCH |
| SEP18 | | ---- | ---- | 23.53 | + 0.86 | ---- | ---- | 13312 UNCH |
| OCT18 | | ---- | ---- | 29.30 | + 0.25 | ---- | ---- | 12032 UNCH |
| NOV18 | | ---- | ---- | 28.93 | + 0.18 | ---- | ---- | 12320 UNCH |
| DEC18 | | ---- | ---- | 51.08 | + 0.33 | ---- | ---- | 13568 UNCH |
| JAN19 | | ---- | ---- | 73.15 | + 0.90 | ---- | ---- | 13328 UNCH |
| FEB19 | | ---- | ---- | 70.80 | + 0.90 | ---- | ---- | 11968 UNCH |
| MAR19 | | ---- | ---- | 41.80 | + 0.30 | ---- | ---- | 13838 UNCH |
| APR19 | | ---- | ---- | 24.60 | + 0.20 | ---- | ---- | 8464 UNCH |
| MAY19 | | ---- | ---- | 21.98 | + 0.18 | ---- | ---- | 9016 UNCH |
| JUN19 | | ---- | ---- | 21.63 | + 0.13 | ---- | ---- | 9200 UNCH |
| JUL19 | | ---- | ---- | 24.10 | + 0.21 | ---- | ---- | 9016 UNCH |

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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| H2 FUT NEPOOL INTR HUB 5MW D AH O PK | | | | | | | | | |
| AUG19 | ---- | ---- | 23.45 | + | 0.19 | ---- | ---- | 9016 | UNCH |
| SEP19 | ---- | ---- | 21.25 | + | 0.17 | ---- | ---- | 9200 | UNCH |
| OCT19 | ---- | ---- | 22.55 | + | 0.15 | ---- | ---- | 8648 | UNCH |
| NOV19 | ---- | ---- | 28.65 | + | 0.15 | ---- | ---- | 9223 | UNCH |
| DEC19 | ---- | ---- | 51.05 | + | 0.15 | ---- | ---- | 9384 | UNCH |
| JAN20 | ---- | ---- | 72.94 | + | 0.31 | ---- | ---- | 13720 | UNCH |
| FEB20 | ---- | ---- | 70.96 | + | 0.29 | ---- | ---- | 13160 | UNCH |
| MAR20 | ---- | ---- | 41.30 | + | 0.30 | ---- | ---- | 13685 | UNCH |
| APR20 | ---- | ---- | 25.05 | + | 0.30 | ---- | ---- | 12880 | UNCH |
| MAY20 | ---- | ---- | 22.30 | + | 0.30 | ---- | ---- | 14840 | UNCH |
| JUN20 | ---- | ---- | 22.65 | + | 0.30 | ---- | ---- | 12880 | UNCH |
| JUL20 | ---- | ---- | 24.60 | + | 0.31 | ---- | ---- | 13160 | UNCH |
| AUG20 | ---- | ---- | 24.00 | + | 0.29 | ---- | ---- | 14280 | UNCH |
| SEP20 | ---- | ---- | 21.90 | + | 0.30 | ---- | ---- | 13440 | UNCH |
| OCT20 | ---- | ---- | 22.40 | + | 0.30 | ---- | ---- | 13720 | UNCH |
| NOV20 | ---- | ---- | 28.45 | + | 0.30 | ---- | ---- | 14035 | UNCH |
| DEC20 | ---- | ---- | 50.45 | + | 0.30 | ---- | ---- | 13720 | UNCH |
| JAN21 | ---- | ---- | 71.15 | + | 0.05 | ---- | ---- | 10600 | UNCH |
| FEB21 | ---- | ---- | 68.75 | + | 0.05 | ---- | ---- | 8800 | UNCH |
| MAR21 | ---- | ---- | 40.74 | + | 0.03 | ---- | ---- | 9375 | UNCH |
| APR21 | ---- | ---- | 22.92 | + | 0.02 | ---- | ---- | 9200 | UNCH |
| MAY21 | ---- | ---- | 20.62 | + | 0.02 | ---- | ---- | 10600 | UNCH |
| JUN21 | ---- | ---- | 20.81 | + | 0.01 | ---- | ---- | 9200 | UNCH |
| JUL21 | ---- | ---- | 23.99 | + | 0.01 | ---- | ---- | 10200 | UNCH |
| AUG21 | ---- | ---- | 23.46 | + | 0.02 | ---- | ---- | 9800 | UNCH |
| SEP21 | ---- | ---- | 20.37 | + | 0.01 | ---- | ---- | 9600 | UNCH |
| OCT21 | ---- | ---- | 20.71 | + | 0.01 | ---- | ---- | 10200 | UNCH |
| NOV21 | ---- | ---- | 27.86 | + | 0.02 | ---- | ---- | 9625 | UNCH |
| DEC21 | ---- | ---- | 46.91 | + | 0.03 | ---- | ---- | 9400 | UNCH |
| APR22 | ---- | ---- | 23.26 | + | 0.10 | ---- | ---- | 1152 | UNCH |
| MAY22 | ---- | ---- | 20.96 | + | 0.09 | ---- | ---- | 1224 | UNCH |
| JUN22 | ---- | ---- | 21.26 | + | 0.10 | ---- | ---- | 1104 | UNCH |
| JUL22 | ---- | ---- | 24.41 | + | 0.11 | ---- | ---- | 1272 | UNCH |
| AUG22 | ---- | ---- | 23.91 | + | 0.11 | ---- | ---- | 1128 | UNCH |
| SEP22 | ---- | ---- | 20.81 | + | 0.09 | ---- | ---- | 1152 | UNCH |
| OCT22 | ---- | ---- | 21.11 | + | 0.09 | ---- | ---- | 1224 | UNCH |
| TOTAL H2 FUT | | | | | | | | 484997 | |
| U6 FUT NEPOOL INTR HUB 5MW D AH PK | | | | | | | | | |
| JUL18 | ---- | ---- | 39.63 | + | 1.08 | ---- | ---- | 1239 | UNCH |
| AUG18 | ---- | ---- | 36.27 | + | 0.82 | ---- | ---- | 1357 | UNCH |
| SEP18 | ---- | ---- | 34.62 | + | 0.42 | ---- | ---- | 1121 | UNCH |
| OCT18 | ---- | ---- | 39.45 | + | 0.45 | ---- | ---- | 1357 | UNCH |
| NOV18 | ---- | ---- | 39.13 | + | 0.50 | ---- | ---- | 1239 | UNCH |
| DEC18 | ---- | ---- | 61.18 | + | 0.43 | ---- | ---- | 1180 | UNCH |
| JAN19 | ---- | ---- | 89.30 | + | 0.90 | ---- | ---- | 968 | UNCH |
| FEB19 | ---- | ---- | 85.60 | + | 0.90 | ---- | ---- | 880 | UNCH |
| MAR19 | ---- | ---- | 51.40 | + | 0.55 | ---- | ---- | 714 | UNCH |
| APR19 | ---- | ---- | 32.50 | + | 0.35 | ---- | ---- | 638 | UNCH |
| MAY19 | ---- | ---- | 27.55 | + | 0.17 | ---- | ---- | 638 | UNCH |
| JUN19 | ---- | ---- | 29.13 | + | 0.18 | ---- | ---- | 580 | UNCH |
| JUL19 | ---- | ---- | 37.08 | - | 0.38 | ---- | ---- | 638 | UNCH |
| AUG19 | ---- | ---- | 35.02 | - | 0.32 | ---- | ---- | 638 | UNCH |
| SEP19 | ---- | ---- | 30.70 | + | 0.35 | ---- | ---- | 580 | UNCH |
| OCT19 | ---- | ---- | 30.50 | + | 0.25 | ---- | ---- | 667 | UNCH |
| NOV19 | ---- | ---- | 38.60 | + | 0.25 | ---- | ---- | 580 | UNCH |
| DEC19 | ---- | ---- | 62.10 | + | 0.25 | ---- | ---- | 609 | UNCH |
| JAN20 | ---- | ---- | 89.35 | + | 0.35 | ---- | ---- | 770 | UNCH |
| FEB20 | ---- | ---- | 87.85 | + | 0.35 | ---- | ---- | 700 | UNCH |
| MAR20 | ---- | ---- | 51.75 | + | 0.30 | ---- | ---- | 770 | UNCH |
| APR20 | ---- | ---- | 32.55 | + | 0.20 | ---- | ---- | 770 | UNCH |
| MAY20 | ---- | ---- | 28.05 | + | 0.20 | ---- | ---- | 700 | UNCH |
| JUN20 | ---- | ---- | 30.05 | + | 0.20 | ---- | ---- | 770 | UNCH |
| JUL20 | ---- | ---- | 36.40 | + | 0.20 | ---- | ---- | 805 | UNCH |
| AUG20 | ---- | ---- | 35.70 | + | 0.20 | ---- | ---- | 735 | UNCH |
| SEP20 | ---- | ---- | 30.85 | + | 0.20 | ---- | ---- | 735 | UNCH |
| OCT20 | ---- | ---- | 31.05 | + | 0.20 | ---- | ---- | 770 | UNCH |
| NOV20 | ---- | ---- | 38.20 | + | 0.20 | ---- | ---- | 700 | UNCH |
| DEC20 | ---- | ---- | 62.35 | + | 0.20 | ---- | ---- | 770 | UNCH |
| JAN21 | ---- | ---- | 88.10 | + | 0.29 | ---- | ---- | 500 | UNCH |
| FEB21 | ---- | ---- | 86.74 | + | 0.29 | ---- | ---- | 500 | UNCH |
| MAR21 | ---- | ---- | 51.34 | + | 0.17 | ---- | ---- | 575 | UNCH |
| APR21 | ---- | ---- | 30.51 | + | 0.10 | ---- | ---- | 550 | UNCH |
| MAY21 | ---- | ---- | 28.04 | + | 0.09 | ---- | ---- | 500 | UNCH |
| JUN21 | ---- | ---- | 29.15 | + | 0.10 | ---- | ---- | 550 | UNCH |
| JUL21 | ---- | ---- | 35.91 | + | 0.12 | ---- | ---- | 525 | UNCH |
| AUG21 | ---- | ---- | 35.25 | + | 0.12 | ---- | ---- | 550 | UNCH |
| SEP21 | ---- | ---- | 29.80 | + | 0.10 | ---- | ---- | 525 | UNCH |
| OCT21 | ---- | ---- | 29.30 | + | 0.10 | ---- | ---- | 525 | UNCH |
| NOV21 | ---- | ---- | 37.72 | + | 0.12 | ---- | ---- | 525 | UNCH |
| DEC21 | ---- | ---- | 57.54 | + | 0.19 | ---- | ---- | 575 | UNCH |
| APR22 | ---- | ---- | 31.34 | + | 0.04 | ---- | ---- | 63 | UNCH |
| MAY22 | ---- | ---- | 28.77 | + | 0.04 | ---- | ---- | 63 | UNCH |
| JUN22 | ---- | ---- | 29.76 | + | 0.04 | ---- | ---- | 66 | UNCH |
| JUL22 | ---- | ---- | 36.69 | + | 0.05 | ---- | ---- | 60 | UNCH |
| AUG22 | ---- | ---- | 36.05 | + | 0.05 | ---- | ---- | 69 | UNCH |
| SEP22 | ---- | ---- | 30.50 | + | 0.04 | ---- | ---- | 63 | UNCH |
| OCT22 | ---- | ---- | 30.10 | + | 0.03 | ---- | ---- | 63 | UNCH |
| TOTAL U6 FUT | | | | | | | | 31465 | |
| P8 FUT NEPOOL NE MASS 5MW D AH O PK | | | | | | | | | |
| JAN19 | ---- | ---- | 73.29 | + | 1.19 | ---- | ---- | 1176 | UNCH |
| FEB19 | ---- | ---- | 68.93 | + | 1.13 | ---- | ---- | 1056 | UNCH |
| MAR19 | ---- | ---- | 41.96 | + | 0.91 | ---- | ---- | 1221 | UNCH |
| APR19 | ---- | ---- | 24.41 | - | 0.12 | ---- | ---- | 1104 | UNCH |
| MAY19 | ---- | ---- | 21.00 | - | 0.12 | ---- | ---- | 1176 | UNCH |
| JUN19 | ---- | ---- | 21.91 | - | 0.10 | ---- | ---- | 1200 | UNCH |
| JUL19 | ---- | ---- | 24.61 | - | 0.12 | ---- | ---- | 1176 | UNCH |
| AUG19 | ---- | ---- | 23.71 | - | 0.13 | ---- | ---- | 1176 | UNCH |
| SEP19 | ---- | ---- | 21.36 | - | 0.10 | ---- | ---- | 1200 | UNCH |
| OCT19 | ---- | ---- | 22.61 | - | 0.09 | ---- | ---- | 1128 | UNCH |
| NOV19 | ---- | ---- | 28.32 | - | 0.02 | ---- | ---- | 1203 | UNCH |
| DEC19 | ---- | ---- | 51.48 | + | 1.14 | ---- | ---- | 1224 | UNCH |
| TOTAL P8 FUT | | | | | | | | 14040 | |
| P7 FUT NEPOOL NE MASS 5MW D AH PK | | | | | | | | | |
| JAN19 | ---- | ---- | 89.26 | + | 1.30 | ---- | ---- | 66 | UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



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|---|---|---|---|---|---|---|---|
| P7 FUT | NEPOOL NE MASS 5MW D AH PK | | | | | | |
| FEB19 | ---- | ---- | 85.29 | + 1.25 | ---- | ---- | 60 UNCH |
| MAR19 | ---- | ---- | 51.73 | + 0.75 | ---- | ---- | 63 UNCH |
| APR19 | ---- | ---- | 33.11 | + 0.05 | ---- | ---- | 66 UNCH |
| MAY19 | ---- | ---- | 28.00 | + 0.05 | ---- | ---- | 66 UNCH |
| JUN19 | ---- | ---- | 29.45 | + 0.01 | ---- | ---- | 60 UNCH |
| JUL19 | ---- | ---- | 39.08 | + 0.11 | ---- | ---- | 66 UNCH |
| AUG19 | ---- | ---- | 34.92 | + 0.12 | ---- | ---- | 66 UNCH |
| SEP19 | ---- | ---- | 31.21 | + 0.04 | ---- | ---- | 60 UNCH |
| OCT19 | ---- | ---- | 30.81 | + 0.08 | ---- | ---- | 69 UNCH |
| NOV19 | ---- | ---- | 38.88 | + 0.06 | ---- | ---- | 60 UNCH |
| DEC19 | ---- | ---- | 62.66 | + 0.96 | ---- | ---- | 63 UNCH |
| TOTAL P7 FUT | | | | | | | 765 |
| CE FUT | NEW ENGLAND HUB PEAK DAILY | | | | | | |
| 12JUN18 | ---- | ---- | 24.06 | UNCH | ---- | ---- | 0 - 59 |
| 13JUN18 | ---- | ---- | 29.19 | UNCH | ---- | ---- | 59 UNCH |
| 14JUN18 | ---- | ---- | 26.82 | UNCH | ---- | ---- | 59 UNCH |
| 15JUN18 | ---- | ---- | 26.35 | UNCH | ---- | ---- | 59 UNCH |
| 18JUN18 | ---- | ---- | 54.53 | UNCH | ---- | ---- | 59 UNCH |
| 19JUN18 | ---- | ---- | 29.83 | UNCH | ---- | ---- | 59 UNCH |
| 20JUN18 | ---- | ---- | 27.51 | UNCH | ---- | ---- | 59 UNCH |
| 21JUN18 | ---- | ---- | 30.71 | UNCH | ---- | ---- | 59 UNCH |
| 22JUN18 | ---- | ---- | 30.21 | UNCH | ---- | ---- | 59 UNCH |
| 25JUN18 | ---- | ---- | 29.54 | UNCH | ---- | ---- | 59 UNCH |
| 26JUN18 | ---- | ---- | 28.94 | UNCH | ---- | ---- | 59 UNCH |
| 27JUN18 | ---- | ---- | 30.20 | UNCH | ---- | ---- | 59 UNCH |
| 28JUN18 | ---- | ---- | 31.19 | + 1.79 | ---- | ---- | 59 UNCH |
| 29JUN18 | ---- | ---- | 29.40 | UNCH | ---- | ---- | 59 UNCH |
| TOTAL CE FUT | | | | | | | 767 - 59 |
| GN FUT | NEW YORK HUB ZONE G PEAK DAILY | | | | | | |
| 12JUN18 | ---- | ---- | 27.26 | UNCH | ---- | ---- | 0 - 72 |
| 13JUN18 | ---- | ---- | 30.83 | UNCH | ---- | ---- | 72 UNCH |
| 14JUN18 | ---- | ---- | 30.59 | UNCH | ---- | ---- | 72 UNCH |
| 15JUN18 | ---- | ---- | 30.10 | UNCH | ---- | ---- | 72 UNCH |
| 18JUN18 | ---- | ---- | 55.87 | UNCH | ---- | ---- | 72 UNCH |
| 19JUN18 | ---- | ---- | 44.72 | UNCH | ---- | ---- | 72 UNCH |
| 20JUN18 | ---- | ---- | 32.89 | UNCH | ---- | ---- | 72 UNCH |
| 21JUN18 | ---- | ---- | 29.32 | UNCH | ---- | ---- | 72 UNCH |
| 22JUN18 | ---- | ---- | 27.74 | UNCH | ---- | ---- | 72 UNCH |
| 25JUN18 | ---- | ---- | 31.40 | UNCH | ---- | ---- | 72 UNCH |
| 26JUN18 | ---- | ---- | 30.77 | UNCH | ---- | ---- | 72 UNCH |
| 27JUN18 | ---- | ---- | 31.11 | UNCH | ---- | ---- | 72 UNCH |
| 28JUN18 | ---- | ---- | 35.01 | + 2.21 | ---- | ---- | 72 UNCH |
| 29JUN18 | ---- | ---- | 32.80 | UNCH | ---- | ---- | 72 UNCH |
| TOTAL GN FUT | | | | | | | 936 - 72 |
| JN FUT | NEW YORK HUB ZONE J PEAK DAILY | | | | | | |
| 12JUN18 | ---- | ---- | 28.47 | UNCH | ---- | ---- | 0 - 30 |
| 13JUN18 | ---- | ---- | 35.60 | UNCH | ---- | ---- | 30 UNCH |
| 14JUN18 | ---- | ---- | 32.83 | UNCH | ---- | ---- | 30 UNCH |
| 15JUN18 | ---- | ---- | 31.14 | UNCH | ---- | ---- | 30 UNCH |
| 18JUN18 | ---- | ---- | 61.42 | UNCH | ---- | ---- | 30 UNCH |
| 19JUN18 | ---- | ---- | 50.00 | UNCH | ---- | ---- | 30 UNCH |
| 20JUN18 | ---- | ---- | 34.97 | UNCH | ---- | ---- | 30 UNCH |
| 21JUN18 | ---- | ---- | 32.57 | UNCH | ---- | ---- | 30 UNCH |
| 22JUN18 | ---- | ---- | 29.13 | UNCH | ---- | ---- | 30 UNCH |
| 25JUN18 | ---- | ---- | 34.18 | UNCH | ---- | ---- | 30 UNCH |
| 26JUN18 | ---- | ---- | 32.31 | UNCH | ---- | ---- | 30 UNCH |
| 27JUN18 | ---- | ---- | 32.28 | UNCH | ---- | ---- | 30 UNCH |
| 28JUN18 | ---- | ---- | 37.05 | + 1.70 | ---- | ---- | 30 UNCH |
| 29JUN18 | ---- | ---- | 35.35 | UNCH | ---- | ---- | 30 UNCH |
| TOTAL JN FUT | | | | | | | 390 - 30 |
| LHV FUT | NYISO LOW HUD VAL CAP FUT | | | | | | |
| JUL18 | ---- | ---- | 9.17 | + 0.01 | ---- | ---- | 65 UNCH |
| AUG18 | ---- | ---- | 9.17 | + 0.01 | ---- | ---- | 25 UNCH |
| SEP18 | ---- | ---- | 9.17 | + 0.01 | ---- | ---- | 25 UNCH |
| OCT18 | ---- | ---- | 9.17 | + 0.01 | ---- | ---- | 25 UNCH |
| NOV18 | ---- | ---- | 3.08 | - 0.02 | ---- | ---- | 25 UNCH |
| DEC18 | ---- | ---- | 3.08 | - 0.02 | ---- | ---- | 25 UNCH |
| JAN19 | ---- | ---- | 3.08 | - 0.02 | ---- | ---- | 17 UNCH |
| FEB19 | ---- | ---- | 3.08 | - 0.02 | ---- | ---- | 17 UNCH |
| MAR19 | ---- | ---- | 3.08 | - 0.02 | ---- | ---- | 17 UNCH |
| APR19 | ---- | ---- | 3.08 | - 0.02 | ---- | ---- | 17 UNCH |
| MAY19 | ---- | ---- | 7.28 | - 0.11 | ---- | ---- | 7 UNCH |
| JUN19 | ---- | ---- | 7.28 | - 0.11 | ---- | ---- | 7 UNCH |
| JUL19 | ---- | ---- | 7.28 | + 0.08 | ---- | ---- | 7 UNCH |
| AUG19 | ---- | ---- | 7.28 | + 0.08 | ---- | ---- | 7 UNCH |
| SEP19 | ---- | ---- | 7.28 | + 0.08 | ---- | ---- | 7 UNCH |
| OCT19 | ---- | ---- | 7.28 | + 0.08 | ---- | ---- | 7 UNCH |
| NOV19 | ---- | ---- | 2.60 | UNCH | ---- | ---- | 7 UNCH |
| DEC19 | ---- | ---- | 2.60 | UNCH | ---- | ---- | 7 UNCH |
| TOTAL LHV FUT | | | | | | | 314 |
| NNC FUT | NYISO NYC IN-CITY CAPACITY CAL MO | | | | | | |
| JUL18 | ---- | ---- | 8.99 | + 0.01 | ---- | ---- | 96 UNCH |
| AUG18 | ---- | ---- | 8.99 | + 0.01 | ---- | ---- | 76 UNCH |
| SEP18 | ---- | ---- | 8.99 | + 0.01 | ---- | ---- | 76 UNCH |
| OCT18 | ---- | ---- | 8.99 | + 0.01 | ---- | ---- | 76 UNCH |
| NOV18 | ---- | ---- | 3.10 | UNCH | ---- | ---- | 34 UNCH |
| DEC18 | ---- | ---- | 3.10 | UNCH | ---- | ---- | 34 UNCH |
| JAN19 | ---- | ---- | 3.10 | UNCH | ---- | ---- | 28 UNCH |
| FEB19 | ---- | ---- | 3.10 | UNCH | ---- | ---- | 28 UNCH |
| MAR19 | ---- | ---- | 3.10 | UNCH | ---- | ---- | 28 UNCH |
| APR19 | ---- | ---- | 3.10 | UNCH | ---- | ---- | 28 UNCH |
| MAY19 | ---- | ---- | 8.60 | + 0.01 | ---- | ---- | 28 UNCH |
| JUN19 | ---- | ---- | 8.60 | + 0.01 | ---- | ---- | 28 UNCH |
| JUL19 | ---- | ---- | 8.60 | + 0.01 | ---- | ---- | 28 UNCH |
| AUG19 | ---- | ---- | 8.60 | + 0.01 | ---- | ---- | 28 UNCH |
| SEP19 | ---- | ---- | 8.60 | + 0.01 | ---- | ---- | 28 UNCH |
| OCT19 | ---- | ---- | 8.60 | + 0.01 | ---- | ---- | 28 UNCH |
| NOV19 | ---- | ---- | 2.81 | UNCH | ---- | ---- | 3 UNCH |
| DEC19 | ---- | ---- | 2.81 | UNCH | ---- | ---- | 3 UNCH |
| TOTAL NNC FUT | | | | | | | 678 |
| NRS FUT | NYISO REST OF STATE CAPACITY CAL MO | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| NRS FUT | NYISO REST OF STATE CAPACITY CAL MO | | | | | | | | | |
| JUL18 | | ---- | ---- | 2.58 | | UNCH | ---- | ---- | 221 | UNCH |
| AUG18 | | ---- | ---- | 2.58 | | UNCH | ---- | ---- | 221 | UNCH |
| SEP18 | | ---- | ---- | 2.58 | | UNCH | ---- | ---- | 221 | UNCH |
| OCT18 | | ---- | ---- | 2.58 | | UNCH | ---- | ---- | 221 | UNCH |
| NOV18 | | ---- | ---- | 0.53 | | UNCH | ---- | ---- | 66 | UNCH |
| DEC18 | | ---- | ---- | 0.53 | | UNCH | ---- | ---- | 66 | UNCH |
| JAN19 | | ---- | ---- | 0.53 | | UNCH | ---- | ---- | 26 | UNCH |
| FEB19 | | ---- | ---- | 0.53 | | UNCH | ---- | ---- | 26 | UNCH |
| MAR19 | | ---- | ---- | 0.53 | | UNCH | ---- | ---- | 26 | UNCH |
| APR19 | | ---- | ---- | 0.53 | | UNCH | ---- | ---- | 26 | UNCH |
| MAY19 | | ---- | ---- | 1.85 | | UNCH | ---- | ---- | 14 | UNCH |
| JUN19 | | ---- | ---- | 1.85 | | UNCH | ---- | ---- | 14 | UNCH |
| JUL19 | | ---- | ---- | 1.85 | | UNCH | ---- | ---- | 14 | UNCH |
| AUG19 | | ---- | ---- | 1.85 | | UNCH | ---- | ---- | 14 | UNCH |
| SEP19 | | ---- | ---- | 1.85 | | UNCH | ---- | ---- | 14 | UNCH |
| OCT19 | | ---- | ---- | 1.85 | | UNCH | ---- | ---- | 14 | UNCH |
| NOV19 | | ---- | ---- | 0.75 | | UNCH | ---- | ---- | 11 | UNCH |
| DEC19 | | ---- | ---- | 0.75 | | UNCH | ---- | ---- | 11 | UNCH |
| JAN20 | | ---- | ---- | 0.75 | | UNCH | ---- | ---- | 6 | UNCH |
| FEB20 | | ---- | ---- | 0.75 | | UNCH | ---- | ---- | 6 | UNCH |
| MAR20 | | ---- | ---- | 0.75 | | UNCH | ---- | ---- | 6 | UNCH |
| APR20 | | ---- | ---- | 0.75 | | UNCH | ---- | ---- | 6 | UNCH |
| TOTAL NRS FUT | | | | | | | | | 1250 | |
| K4 FUT | NYISO ZONE A 5MW D AH O PK | | | | | | | | | |
| JUL18 | | ---- | ---- | 24.65 | + | 0.37 | ---- | ---- | 5712 | UNCH |
| AUG18 | | ---- | ---- | 22.50 | + | 0.17 | ---- | ---- | 5264 | UNCH |
| SEP18 | | ---- | ---- | 18.25 | + | 0.12 | ---- | ---- | 5824 | UNCH |
| OCT18 | | ---- | ---- | 16.75 | + | 0.10 | ---- | ---- | 5264 | UNCH |
| NOV18 | | ---- | ---- | 17.95 | + | 0.10 | ---- | ---- | 5390 | UNCH |
| DEC18 | | ---- | ---- | 22.75 | + | 0.07 | ---- | ---- | 5936 | UNCH |
| JAN19 | | ---- | ---- | 32.14 | + | 0.31 | ---- | ---- | 784 | UNCH |
| FEB19 | | ---- | ---- | 28.96 | + | 0.29 | ---- | ---- | 704 | UNCH |
| MAR19 | | ---- | ---- | 22.60 | + | 0.10 | ---- | ---- | 814 | UNCH |
| APR19 | | ---- | ---- | 16.70 | + | 0.10 | ---- | ---- | 736 | UNCH |
| MAY19 | | ---- | ---- | 16.70 | + | 0.10 | ---- | ---- | 784 | UNCH |
| JUN19 | | ---- | ---- | 17.45 | + | 0.10 | ---- | ---- | 800 | UNCH |
| JUL19 | | ---- | ---- | 24.13 | + | 0.21 | ---- | ---- | 784 | UNCH |
| AUG19 | | ---- | ---- | 21.72 | + | 0.19 | ---- | ---- | 784 | UNCH |
| SEP19 | | ---- | ---- | 17.85 | + | 0.10 | ---- | ---- | 800 | UNCH |
| OCT19 | | ---- | ---- | 15.21 | + | 0.04 | ---- | ---- | 752 | UNCH |
| NOV19 | | ---- | ---- | 17.13 | + | 0.05 | ---- | ---- | 802 | UNCH |
| DEC19 | | ---- | ---- | 20.91 | + | 0.06 | ---- | ---- | 816 | UNCH |
| TOTAL K4 FUT | | | | | | | | | 42750 | |
| K3 FUT | NYISO ZONE A 5MW D AH PK | | | | | | | | | |
| JUL18 | | ---- | ---- | 51.22 | + | 1.60 | ---- | ---- | 378 | UNCH |
| AUG18 | | ---- | ---- | 46.50 | + | 0.87 | ---- | ---- | 414 | UNCH |
| SEP18 | | ---- | ---- | 37.18 | + | 0.53 | ---- | ---- | 342 | UNCH |
| OCT18 | | ---- | ---- | 30.55 | + | 0.27 | ---- | ---- | 414 | UNCH |
| NOV18 | | ---- | ---- | 30.35 | + | 0.20 | ---- | ---- | 378 | UNCH |
| DEC18 | | ---- | ---- | 34.58 | + | 0.23 | ---- | ---- | 360 | UNCH |
| JAN19 | | ---- | ---- | 45.69 | + | 0.43 | ---- | ---- | 264 | UNCH |
| FEB19 | | ---- | ---- | 42.41 | + | 0.42 | ---- | ---- | 240 | UNCH |
| MAR19 | | ---- | ---- | 31.95 | + | 0.10 | ---- | ---- | 252 | UNCH |
| APR19 | | ---- | ---- | 29.70 | + | 0.10 | ---- | ---- | 264 | UNCH |
| MAY19 | | ---- | ---- | 32.45 | + | 0.10 | ---- | ---- | 264 | UNCH |
| JUN19 | | ---- | ---- | 35.20 | + | 0.10 | ---- | ---- | 240 | UNCH |
| JUL19 | | ---- | ---- | 46.34 | + | 0.17 | ---- | ---- | 264 | UNCH |
| AUG19 | | ---- | ---- | 42.86 | + | 0.18 | ---- | ---- | 264 | UNCH |
| SEP19 | | ---- | ---- | 33.20 | + | 0.10 | ---- | ---- | 240 | UNCH |
| OCT19 | | ---- | ---- | 28.04 | + | 0.04 | ---- | ---- | 276 | UNCH |
| NOV19 | | ---- | ---- | 27.75 | - | 0.01 | ---- | ---- | 240 | UNCH |
| DEC19 | | ---- | ---- | 31.29 | - | 0.02 | ---- | ---- | 252 | UNCH |
| TOTAL K3 FUT | | | | | | | | | 5346 | |
| ZAO FUT | NYISO ZONE A DA OP DAILY | | | | | | | | | |
| 20JUN18 | | ---- | ---- | 17.19 | | UNCH | ---- | ---- | 0 | - 112 |
| 21JUN18 | | ---- | ---- | 16.12 | | UNCH | ---- | ---- | 112 | UNCH |
| 22JUN18 | | ---- | ---- | 14.22 | | UNCH | ---- | ---- | 112 | UNCH |
| 23JUN18 | | ---- | ---- | 19.24 | | UNCH | ---- | ---- | 336 | UNCH |
| 24JUN18 | | ---- | ---- | 22.25 | | UNCH | ---- | ---- | 336 | UNCH |
| 25JUN18 | | ---- | ---- | 14.67 | | UNCH | ---- | ---- | 112 | UNCH |
| 26JUN18 | | ---- | ---- | 15.28 | | UNCH | ---- | ---- | 112 | UNCH |
| 27JUN18 | | ---- | ---- | 15.00 | | UNCH | ---- | ---- | 112 | UNCH |
| 28JUN18 | | ---- | ---- | 16.91 | - | 1.22 | ---- | ---- | 112 | UNCH |
| 29JUN18 | | ---- | ---- | 18.13 | | UNCH | ---- | ---- | 112 | UNCH |
| 30JUN18 | | ---- | ---- | 18.13 | | UNCH | ---- | ---- | 336 | UNCH |
| TOTAL ZAO FUT | | | | | | | | | 1792 | - 112 |
| AN FUT | NYISO ZONE A LBMP FUTURE | | | | | | | | | |
| 12JUN18 | | ---- | ---- | 33.62 | | UNCH | ---- | ---- | 0 | - 18 |
| 13JUN18 | | ---- | ---- | 36.39 | | UNCH | ---- | ---- | 18 | UNCH |
| 14JUN18 | | ---- | ---- | 26.81 | | UNCH | ---- | ---- | 18 | UNCH |
| 15JUN18 | | ---- | ---- | 30.06 | | UNCH | ---- | ---- | 18 | UNCH |
| 18JUN18 | | ---- | ---- | 66.09 | | UNCH | ---- | ---- | 18 | UNCH |
| 19JUN18 | | ---- | ---- | 57.35 | | UNCH | ---- | ---- | 18 | UNCH |
| 20JUN18 | | ---- | ---- | 35.57 | | UNCH | ---- | ---- | 18 | UNCH |
| 21JUN18 | | ---- | ---- | 33.62 | | UNCH | ---- | ---- | 18 | UNCH |
| 22JUN18 | | ---- | ---- | 38.60 | | UNCH | ---- | ---- | 18 | UNCH |
| 25JUN18 | | ---- | ---- | 28.86 | | UNCH | ---- | ---- | 18 | UNCH |
| 26JUN18 | | ---- | ---- | 31.71 | | UNCH | ---- | ---- | 18 | UNCH |
| 27JUN18 | | ---- | ---- | 28.66 | | UNCH | ---- | ---- | 18 | UNCH |
| 28JUN18 | | ---- | ---- | 35.91 | - | 3.47 | ---- | ---- | 18 | UNCH |
| 29JUN18 | | ---- | ---- | 39.38 | | UNCH | ---- | ---- | 18 | UNCH |
| TOTAL AN FUT | | | | | | | | | 234 | - 18 |
| 4M FUT | NYISO ZONE F 5MW DAY AHEAD OFF-PEAK | | | | | | | | | |
| JUN18 | | ---- | ---- | 23.11 | + | 0.01 | ---- | ---- | 5760 | UNCH |
| JUL18 | | ---- | ---- | 27.50 | + | 0.90 | ---- | ---- | 6120 | UNCH |
| AUG18 | | ---- | ---- | 23.70 | + | 0.35 | ---- | ---- | 5640 | UNCH |
| SEP18 | | ---- | ---- | 21.65 | + | 0.05 | ---- | ---- | 6240 | UNCH |
| OCT18 | | ---- | ---- | 22.75 | + | 0.15 | ---- | ---- | 5640 | UNCH |
| NOV18 | | ---- | ---- | 26.85 | + | 0.15 | ---- | ---- | 5775 | UNCH |
| DEC18 | | ---- | ---- | 42.00 | + | 0.20 | ---- | ---- | 6360 | UNCH |
| TOTAL 4M FUT | | | | | | | | | 41535 | |
| 4L FUT | NYISO ZONE F 5MW DAY AHEAD PEAK | | | | | | | | | |

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**FINAL**



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|---|---|---|---|---|---|---|---|---|
| JUN18 | ---- | ---- | 31.06 | + 0.13 | ---- | ---- | 315 | UNCH |
| JUL18 | ---- | ---- | 37.60 | + 1.00 | ---- | ---- | 315 | UNCH |
| AUG18 | ---- | ---- | 34.05 | + 0.80 | ---- | ---- | 345 | UNCH |
| SEP18 | ---- | ---- | 30.85 | + 0.55 | ---- | ---- | 285 | UNCH |
| OCT18 | ---- | ---- | 30.60 | + 0.45 | ---- | ---- | 345 | UNCH |
| NOV18 | ---- | ---- | 35.25 | + 0.65 | ---- | ---- | 315 | UNCH |
| DEC18 | ---- | ---- | 49.15 | + 0.40 | ---- | ---- | 300 | UNCH |
| TOTAL 4L FUT | | | | | | | 2220 | |
| D2 FUT | NYISO ZONE G 5MW D AH O PK | | | | | | | |
| JUL18 | ---- | ---- | 26.40 | + 0.50 | ---- | ---- | 23256 | UNCH |
| AUG18 | ---- | ---- | 24.58 | + 0.23 | ---- | ---- | 21432 | UNCH |
| SEP18 | ---- | ---- | 21.75 | + 0.10 | ---- | ---- | 23712 | UNCH |
| OCT18 | ---- | ---- | 21.78 | + 0.10 | ---- | ---- | 21432 | UNCH |
| NOV18 | ---- | ---- | 24.75 | + 0.90 | ---- | ---- | 21945 | UNCH |
| DEC18 | ---- | ---- | 37.50 | + 0.17 | ---- | ---- | 24168 | UNCH |
| JAN19 | ---- | ---- | 53.21 | + 0.35 | ---- | ---- | 28616 | UNCH |
| FEB19 | ---- | ---- | 49.34 | + 0.35 | ---- | ---- | 25696 | UNCH |
| MAR19 | ---- | ---- | 33.00 | + 0.15 | ---- | ---- | 21571 | UNCH |
| APR19 | ---- | ---- | 23.55 | + 0.05 | ---- | ---- | 19504 | UNCH |
| MAY19 | ---- | ---- | 20.65 | + 0.05 | ---- | ---- | 20776 | UNCH |
| JUN19 | ---- | ---- | 20.80 | + 0.05 | ---- | ---- | 21200 | UNCH |
| JUL19 | ---- | ---- | 25.85 | + 0.36 | ---- | ---- | 20776 | UNCH |
| AUG19 | ---- | ---- | 23.45 | + 0.29 | ---- | ---- | 20776 | UNCH |
| SEP19 | ---- | ---- | 21.90 | + 0.05 | ---- | ---- | 21200 | UNCH |
| OCT19 | ---- | ---- | 21.05 | - 0.05 | ---- | ---- | 19928 | UNCH |
| NOV19 | ---- | ---- | 24.05 | - 0.05 | ---- | ---- | 21253 | UNCH |
| DEC19 | ---- | ---- | 36.60 | - 0.05 | ---- | ---- | 21624 | UNCH |
| JAN20 | ---- | ---- | 52.96 | UNCH | ---- | ---- | 52920 | UNCH |
| FEB20 | ---- | ---- | 51.04 | UNCH | ---- | ---- | 50760 | UNCH |
| MAR20 | ---- | ---- | 33.15 | + 0.15 | ---- | ---- | 13685 | UNCH |
| APR20 | ---- | ---- | 24.25 | UNCH | ---- | ---- | 18400 | UNCH |
| MAY20 | ---- | ---- | 22.00 | UNCH | ---- | ---- | 21200 | UNCH |
| JUN20 | ---- | ---- | 22.00 | UNCH | ---- | ---- | 18400 | UNCH |
| JUL20 | ---- | ---- | 26.55 | + 0.10 | ---- | ---- | 18800 | UNCH |
| AUG20 | ---- | ---- | 24.15 | + 0.10 | ---- | ---- | 20400 | UNCH |
| SEP20 | ---- | ---- | 23.25 | UNCH | ---- | ---- | 19200 | UNCH |
| OCT20 | ---- | ---- | 22.54 | UNCH | ---- | ---- | 19600 | UNCH |
| NOV20 | ---- | ---- | 24.08 | UNCH | ---- | ---- | 16040 | UNCH |
| DEC20 | ---- | ---- | 37.82 | - 0.02 | ---- | ---- | 15680 | UNCH |
| TOTAL D2 FUT | | | | | | | 683950 | |
| T3 FUT | NYISO ZONE G 5MW D AH PK | | | | | | | |
| JUL18 | ---- | ---- | 41.10 | + 1.68 | ---- | ---- | 1827 | UNCH |
| AUG18 | ---- | ---- | 37.77 | + 0.82 | ---- | ---- | 2001 | UNCH |
| SEP18 | ---- | ---- | 33.12 | + 0.45 | ---- | ---- | 1368 | UNCH |
| OCT18 | ---- | ---- | 32.02 | + 0.30 | ---- | ---- | 1656 | UNCH |
| NOV18 | ---- | ---- | 33.57 | + 0.35 | ---- | ---- | 1512 | UNCH |
| DEC18 | ---- | ---- | 45.93 | + 0.30 | ---- | ---- | 1440 | UNCH |
| JAN19 | ---- | ---- | 67.72 | + 0.42 | ---- | ---- | 946 | UNCH |
| FEB19 | ---- | ---- | 63.13 | + 0.43 | ---- | ---- | 860 | UNCH |
| MAR19 | ---- | ---- | 40.60 | + 0.15 | ---- | ---- | 672 | UNCH |
| APR19 | ---- | ---- | 31.90 | + 0.15 | ---- | ---- | 814 | UNCH |
| MAY19 | ---- | ---- | 29.15 | + 0.15 | ---- | ---- | 814 | UNCH |
| JUN19 | ---- | ---- | 30.30 | + 0.15 | ---- | ---- | 740 | UNCH |
| JUL19 | ---- | ---- | 39.53 | + 0.33 | ---- | ---- | 946 | UNCH |
| AUG19 | ---- | ---- | 34.92 | + 0.27 | ---- | ---- | 946 | UNCH |
| SEP19 | ---- | ---- | 29.90 | + 0.15 | ---- | ---- | 740 | UNCH |
| OCT19 | ---- | ---- | 28.35 | UNCH | ---- | ---- | 851 | UNCH |
| NOV19 | ---- | ---- | 32.25 | UNCH | ---- | ---- | 740 | UNCH |
| DEC19 | ---- | ---- | 45.50 | UNCH | ---- | ---- | 777 | UNCH |
| JAN20 | ---- | ---- | 68.15 | - 0.51 | ---- | ---- | 1738 | UNCH |
| FEB20 | ---- | ---- | 65.85 | - 0.49 | ---- | ---- | 1580 | UNCH |
| MAR20 | ---- | ---- | 40.25 | - 0.35 | ---- | ---- | 418 | UNCH |
| APR20 | ---- | ---- | 32.00 | + 0.15 | ---- | ---- | 748 | UNCH |
| MAY20 | ---- | ---- | 29.75 | + 0.15 | ---- | ---- | 680 | UNCH |
| JUN20 | ---- | ---- | 31.75 | + 0.15 | ---- | ---- | 748 | UNCH |
| JUL20 | ---- | ---- | 39.62 | + 0.16 | ---- | ---- | 782 | UNCH |
| AUG20 | ---- | ---- | 35.38 | + 0.14 | ---- | ---- | 714 | UNCH |
| SEP20 | ---- | ---- | 31.50 | + 0.15 | ---- | ---- | 714 | UNCH |
| OCT20 | ---- | ---- | 30.00 | - 0.17 | ---- | ---- | 748 | UNCH |
| NOV20 | ---- | ---- | 30.91 | - 0.22 | ---- | ---- | 480 | UNCH |
| DEC20 | ---- | ---- | 48.74 | + 0.84 | ---- | ---- | 528 | UNCH |
| JAN21 | ---- | ---- | 79.43 | + 0.07 | ---- | ---- | 200 | UNCH |
| FEB21 | ---- | ---- | 76.55 | + 0.07 | ---- | ---- | 200 | UNCH |
| MAR21 | ---- | ---- | 48.15 | + 0.07 | ---- | ---- | 230 | UNCH |
| APR21 | ---- | ---- | 37.32 | + 0.03 | ---- | ---- | 220 | UNCH |
| MAY21 | ---- | ---- | 35.36 | + 0.02 | ---- | ---- | 200 | UNCH |
| JUN21 | ---- | ---- | 38.18 | + 0.07 | ---- | ---- | 220 | UNCH |
| JUL21 | ---- | ---- | 48.20 | + 0.07 | ---- | ---- | 210 | UNCH |
| AUG21 | ---- | ---- | 43.41 | + 0.06 | ---- | ---- | 220 | UNCH |
| SEP21 | ---- | ---- | 37.22 | + 0.03 | ---- | ---- | 210 | UNCH |
| OCT21 | ---- | ---- | 35.15 | + 0.02 | ---- | ---- | 210 | UNCH |
| NOV21 | ---- | ---- | 41.75 | + 0.04 | ---- | ---- | 210 | UNCH |
| DEC21 | ---- | ---- | 58.88 | + 0.07 | ---- | ---- | 230 | UNCH |
| TOTAL T3 FUT | | | | | | | 32088 | |
| ZGO FUT | NYISO ZONE G DA OP DAILY | | | | | | | |
| 20JUN18 | ---- | ---- | 18.95 | UNCH | ---- | ---- | 0 | - 456 |
| 21JUN18 | ---- | ---- | 19.78 | UNCH | ---- | ---- | 456 | UNCH |
| 22JUN18 | ---- | ---- | 19.95 | UNCH | ---- | ---- | 456 | UNCH |
| 23JUN18 | ---- | ---- | 22.34 | UNCH | ---- | ---- | 1368 | UNCH |
| 24JUN18 | ---- | ---- | 27.58 | UNCH | ---- | ---- | 1368 | UNCH |
| 25JUN18 | ---- | ---- | 21.64 | UNCH | ---- | ---- | 456 | UNCH |
| 26JUN18 | ---- | ---- | 19.00 | UNCH | ---- | ---- | 456 | UNCH |
| 27JUN18 | ---- | ---- | 20.25 | UNCH | ---- | ---- | 456 | UNCH |
| 28JUN18 | ---- | ---- | 20.87 | - 0.96 | ---- | ---- | 456 | UNCH |
| 29JUN18 | ---- | ---- | 21.83 | UNCH | ---- | ---- | 456 | UNCH |
| 30JUN18 | ---- | ---- | 21.83 | UNCH | ---- | ---- | 1368 | UNCH |
| TOTAL ZGO FUT | | | | | | | 7296 | - 456 |
| D4 FUT | NYISO ZONE J 5MW D AH O PK | | | | | | | |
| JUL18 | ---- | ---- | 28.60 | + 0.62 | ---- | ---- | 10200 | UNCH |
| AUG18 | ---- | ---- | 26.48 | + 0.23 | ---- | ---- | 9400 | UNCH |
| SEP18 | ---- | ---- | 23.13 | + 0.10 | ---- | ---- | 10400 | UNCH |
| OCT18 | ---- | ---- | 22.45 | + 0.07 | ---- | ---- | 9400 | UNCH |
| NOV18 | ---- | ---- | 25.55 | + 0.07 | ---- | ---- | 9625 | UNCH |
| DEC18 | ---- | ---- | 39.80 | + 0.20 | ---- | ---- | 10600 | UNCH |
| JAN19 | ---- | ---- | 56.34 | + 0.35 | ---- | ---- | 11760 | UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| D4 FUT | NYISO ZONE J 5MW D AH O PK | | | | | | |
| FEB19 | ---- | ---- | 52.31 | + 0.35 | ---- | ---- | 10560 UNCH |
| MAR19 | ---- | ---- | 35.70 | + 0.10 | ---- | ---- | 12210 UNCH |
| APR19 | ---- | ---- | 25.25 | UNCH | ---- | ---- | 11040 UNCH |
| MAY19 | ---- | ---- | 22.55 | - 0.05 | ---- | ---- | 11760 UNCH |
| JUN19 | ---- | ---- | 22.70 | - 0.05 | ---- | ---- | 12000 UNCH |
| JUL19 | ---- | ---- | 28.54 | + 0.33 | ---- | ---- | 11760 UNCH |
| AUG19 | ---- | ---- | 25.81 | + 0.27 | ---- | ---- | 11760 UNCH |
| SEP19 | ---- | ---- | 23.30 | - 0.05 | ---- | ---- | 12000 UNCH |
| OCT19 | ---- | ---- | 21.84 | - 0.36 | ---- | ---- | 11280 UNCH |
| NOV19 | ---- | ---- | 23.96 | - 0.36 | ---- | ---- | 12030 UNCH |
| DEC19 | ---- | ---- | 40.55 | + 0.54 | ---- | ---- | 12240 UNCH |
| JAN20 | ---- | ---- | 56.59 | UNCH | ---- | ---- | 1176 UNCH |
| FEB20 | ---- | ---- | 54.21 | UNCH | ---- | ---- | 1128 UNCH |
| MAR20 | ---- | ---- | 36.25 | + 0.15 | ---- | ---- | 1173 UNCH |
| APR20 | ---- | ---- | 26.25 | UNCH | ---- | ---- | 1104 UNCH |
| MAY20 | ---- | ---- | 24.25 | UNCH | ---- | ---- | 1272 UNCH |
| JUN20 | ---- | ---- | 24.25 | UNCH | ---- | ---- | 1104 UNCH |
| JUL20 | ---- | ---- | 29.61 | + 0.36 | ---- | ---- | 1128 UNCH |
| AUG20 | ---- | ---- | 27.59 | + 0.34 | ---- | ---- | 1224 UNCH |
| SEP20 | ---- | ---- | 25.00 | UNCH | ---- | ---- | 1152 UNCH |
| OCT20 | ---- | ---- | 23.98 | + 0.01 | ---- | ---- | 1176 UNCH |
| NOV20 | ---- | ---- | 25.67 | UNCH | ---- | ---- | 1203 UNCH |
| DEC20 | ---- | ---- | 40.05 | - 0.01 | ---- | ---- | 1176 UNCH |
| TOTAL D4 FUT | | | | | | | 214041 |
| D3 FUT | NYISO ZONE J 5MW D AH PK | | | | | | |
| JUL18 | ---- | ---- | 48.37 | + 1.97 | ---- | ---- | 840 UNCH |
| AUG18 | ---- | ---- | 42.43 | + 0.88 | ---- | ---- | 920 UNCH |
| SEP18 | ---- | ---- | 36.93 | + 1.05 | ---- | ---- | 570 UNCH |
| OCT18 | ---- | ---- | 35.10 | + 0.40 | ---- | ---- | 460 UNCH |
| NOV18 | ---- | ---- | 37.13 | + 0.45 | ---- | ---- | 420 UNCH |
| DEC18 | ---- | ---- | 50.05 | + 0.30 | ---- | ---- | 400 UNCH |
| JAN19 | ---- | ---- | 75.34 | + 0.44 | ---- | ---- | 770 UNCH |
| FEB19 | ---- | ---- | 70.11 | + 0.41 | ---- | ---- | 700 UNCH |
| MAR19 | ---- | ---- | 47.35 | + 0.15 | ---- | ---- | 735 UNCH |
| APR19 | ---- | ---- | 36.65 | + 0.15 | ---- | ---- | 770 UNCH |
| MAY19 | ---- | ---- | 33.65 | + 0.15 | ---- | ---- | 770 UNCH |
| JUN19 | ---- | ---- | 35.30 | + 0.15 | ---- | ---- | 1000 UNCH |
| JUL19 | ---- | ---- | 46.78 | + 0.39 | ---- | ---- | 1210 UNCH |
| AUG19 | ---- | ---- | 40.92 | + 0.31 | ---- | ---- | 1100 UNCH |
| SEP19 | ---- | ---- | 33.65 | + 0.15 | ---- | ---- | 700 UNCH |
| OCT19 | ---- | ---- | 32.01 | - 0.17 | ---- | ---- | 805 UNCH |
| NOV19 | ---- | ---- | 35.56 | - 0.26 | ---- | ---- | 700 UNCH |
| DEC19 | ---- | ---- | 50.47 | + 0.43 | ---- | ---- | 735 UNCH |
| JAN20 | ---- | ---- | 75.86 | - 0.51 | ---- | ---- | 176 UNCH |
| FEB20 | ---- | ---- | 73.14 | - 0.49 | ---- | ---- | 160 UNCH |
| MAR20 | ---- | ---- | 47.50 | - 0.35 | ---- | ---- | 176 UNCH |
| APR20 | ---- | ---- | 37.00 | + 0.15 | ---- | ---- | 176 UNCH |
| MAY20 | ---- | ---- | 34.75 | + 0.15 | ---- | ---- | 160 UNCH |
| JUN20 | ---- | ---- | 37.25 | + 0.15 | ---- | ---- | 176 UNCH |
| JUL20 | ---- | ---- | 46.99 | + 0.68 | ---- | ---- | 184 UNCH |
| AUG20 | ---- | ---- | 43.01 | + 0.62 | ---- | ---- | 168 UNCH |
| SEP20 | ---- | ---- | 35.50 | + 0.15 | ---- | ---- | 168 UNCH |
| OCT20 | ---- | ---- | 34.95 | - 0.19 | ---- | ---- | 176 UNCH |
| NOV20 | ---- | ---- | 34.58 | - 0.24 | ---- | ---- | 160 UNCH |
| DEC20 | ---- | ---- | 53.62 | + 0.88 | ---- | ---- | 176 UNCH |
| TOTAL D3 FUT | | | | | | | 15661 |
| ZJO FUT | NYISO ZONE J DA OP DAILY | | | | | | |
| 20JUN18 | ---- | ---- | 19.28 | UNCH | ---- | ---- | 0 - 200 |
| 21JUN18 | ---- | ---- | 20.22 | UNCH | ---- | ---- | 200 UNCH |
| 22JUN18 | ---- | ---- | 20.29 | UNCH | ---- | ---- | 200 UNCH |
| 23JUN18 | ---- | ---- | 22.75 | UNCH | ---- | ---- | 600 UNCH |
| 24JUN18 | ---- | ---- | 28.44 | UNCH | ---- | ---- | 600 UNCH |
| 25JUN18 | ---- | ---- | 22.01 | UNCH | ---- | ---- | 200 UNCH |
| 26JUN18 | ---- | ---- | 19.33 | UNCH | ---- | ---- | 200 UNCH |
| 27JUN18 | ---- | ---- | 20.55 | UNCH | ---- | ---- | 200 UNCH |
| 28JUN18 | ---- | ---- | 21.21 | - 1.56 | ---- | ---- | 200 UNCH |
| 29JUN18 | ---- | ---- | 22.77 | UNCH | ---- | ---- | 200 UNCH |
| 30JUN18 | ---- | ---- | 22.77 | UNCH | ---- | ---- | 600 UNCH |
| TOTAL ZJO FUT | | | | | | | 3200 - 200 |
| V3 FUT | PJM AD HUB 5MW REAL TIME O PK | | | | | | |
| JUL18 | ---- | ---- | 28.73 | + 0.70 | ---- | ---- | 12240 UNCH |
| AUG18 | ---- | ---- | 26.13 | + 0.30 | ---- | ---- | 11280 UNCH |
| SEP18 | ---- | ---- | 25.11 | + 0.15 | ---- | ---- | 12480 UNCH |
| OCT18 | ---- | ---- | 25.10 | + 0.08 | ---- | ---- | 11280 UNCH |
| NOV18 | ---- | ---- | 25.20 | + 0.08 | ---- | ---- | 11550 UNCH |
| DEC18 | ---- | ---- | 27.77 | + 0.09 | ---- | ---- | 12720 UNCH |
| JAN19 | ---- | ---- | 36.72 | + 0.39 | ---- | ---- | 13328 UNCH |
| FEB19 | ---- | ---- | 33.53 | + 0.36 | ---- | ---- | 11968 UNCH |
| MAR19 | ---- | ---- | 28.87 | + 0.27 | ---- | ---- | 13838 UNCH |
| APR19 | ---- | ---- | 24.78 | + 0.23 | ---- | ---- | 12512 UNCH |
| MAY19 | ---- | ---- | 23.05 | + 0.15 | ---- | ---- | 12544 UNCH |
| JUN19 | ---- | ---- | 23.10 | + 0.05 | ---- | ---- | 8800 UNCH |
| JUL19 | ---- | ---- | 26.74 | + 0.13 | ---- | ---- | 8624 UNCH |
| AUG19 | ---- | ---- | 24.26 | + 0.12 | ---- | ---- | 8624 UNCH |
| SEP19 | ---- | ---- | 23.08 | + 0.13 | ---- | ---- | 8800 UNCH |
| OCT19 | ---- | ---- | 22.37 | + 0.07 | ---- | ---- | 8272 UNCH |
| NOV19 | ---- | ---- | 23.23 | + 0.07 | ---- | ---- | 8822 UNCH |
| DEC19 | ---- | ---- | 26.40 | + 0.09 | ---- | ---- | 8976 UNCH |
| JAN20 | ---- | ---- | 34.48 | + 0.17 | ---- | ---- | 2744 UNCH |
| FEB20 | ---- | ---- | 31.87 | + 0.16 | ---- | ---- | 2632 UNCH |
| MAR20 | ---- | ---- | 27.89 | + 0.14 | ---- | ---- | 2737 UNCH |
| APR20 | ---- | ---- | 24.62 | + 0.13 | ---- | ---- | 2576 UNCH |
| MAY20 | ---- | ---- | 21.80 | + 0.11 | ---- | ---- | 2968 UNCH |
| JUN20 | ---- | ---- | 22.50 | + 0.11 | ---- | ---- | 2576 UNCH |
| JUL20 | ---- | ---- | 25.42 | + 0.12 | ---- | ---- | 2632 UNCH |
| AUG20 | ---- | ---- | 22.95 | + 0.11 | ---- | ---- | 2856 UNCH |
| SEP20 | ---- | ---- | 22.30 | + 0.11 | ---- | ---- | 2688 UNCH |
| OCT20 | ---- | ---- | 22.00 | + 0.11 | ---- | ---- | 2744 UNCH |
| NOV20 | ---- | ---- | 22.35 | + 0.11 | ---- | ---- | 2807 UNCH |
| DEC20 | ---- | ---- | 25.57 | + 0.12 | ---- | ---- | 2744 UNCH |
| JAN21 | ---- | ---- | 33.57 | + 0.11 | ---- | ---- | 2120 UNCH |
| FEB21 | ---- | ---- | 31.02 | + 0.10 | ---- | ---- | 1760 UNCH |
| MAR21 | ---- | ---- | 27.07 | + 0.08 | ---- | ---- | 1875 UNCH |
| APR21 | ---- | ---- | 23.68 | + 0.08 | ---- | ---- | 1840 UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| V3 FUT | PJM AD HUB 5MW REAL TIME O PK | | | | | | |
| MAY21 | ---- | ---- | 21.18 | + 0.07 | ---- | ---- | 2120 UNCH |
| JUN21 | ---- | ---- | 21.88 | + 0.07 | ---- | ---- | 1840 UNCH |
| JUL21 | ---- | ---- | 24.53 | + 0.08 | ---- | ---- | 2040 UNCH |
| AUG21 | ---- | ---- | 22.33 | + 0.07 | ---- | ---- | 1960 UNCH |
| SEP21 | ---- | ---- | 21.63 | + 0.07 | ---- | ---- | 1920 UNCH |
| OCT21 | ---- | ---- | 21.38 | + 0.07 | ---- | ---- | 2040 UNCH |
| NOV21 | ---- | ---- | 21.68 | + 0.07 | ---- | ---- | 1925 UNCH |
| DEC21 | ---- | ---- | 24.67 | + 0.07 | ---- | ---- | 1880 UNCH |
| JAN22 | ---- | ---- | 33.28 | UNCH | ---- | ---- | 1632 UNCH |
| FEB22 | ---- | ---- | 30.74 | UNCH | ---- | ---- | 1408 UNCH |
| MAR22 | ---- | ---- | 27.01 | UNCH | ---- | ---- | 1500 UNCH |
| APR22 | ---- | ---- | 23.48 | UNCH | ---- | ---- | 1536 UNCH |
| MAY22 | ---- | ---- | 21.09 | UNCH | ---- | ---- | 1632 UNCH |
| JUN22 | ---- | ---- | 21.79 | UNCH | ---- | ---- | 1472 UNCH |
| JUL22 | ---- | ---- | 24.38 | UNCH | ---- | ---- | 1696 UNCH |
| AUG22 | ---- | ---- | 22.24 | UNCH | ---- | ---- | 1504 UNCH |
| SEP22 | ---- | ---- | 21.54 | UNCH | ---- | ---- | 1536 UNCH |
| OCT22 | ---- | ---- | 21.24 | UNCH | ---- | ---- | 1632 UNCH |
| NOV22 | ---- | ---- | 21.54 | UNCH | ---- | ---- | 1540 UNCH |
| DEC22 | ---- | ---- | 24.47 | UNCH | ---- | ---- | 1632 UNCH |
| TOTAL V3 FUT | | | | | | | 271402 |
| Z9 FUT | PJM AD HUB 5MW REAL TIME PK | | | | | | |
| JUL18 | ---- | ---- | 44.55 | + 1.42 | ---- | ---- | 861 UNCH |
| AUG18 | ---- | ---- | 40.20 | + 0.45 | ---- | ---- | 943 UNCH |
| SEP18 | ---- | ---- | 37.34 | + 0.36 | ---- | ---- | 646 UNCH |
| OCT18 | ---- | ---- | 34.99 | + 0.23 | ---- | ---- | 782 UNCH |
| NOV18 | ---- | ---- | 33.53 | + 0.22 | ---- | ---- | 714 UNCH |
| DEC18 | ---- | ---- | 35.14 | + 0.28 | ---- | ---- | 680 UNCH |
| JAN19 | ---- | ---- | 43.32 | + 0.18 | ---- | ---- | 594 UNCH |
| FEB19 | ---- | ---- | 39.18 | + 0.17 | ---- | ---- | 540 UNCH |
| MAR19 | ---- | ---- | 35.12 | + 0.26 | ---- | ---- | 357 UNCH |
| APR19 | ---- | ---- | 32.98 | + 0.24 | ---- | ---- | 374 UNCH |
| MAY19 | ---- | ---- | 33.85 | + 0.05 | ---- | ---- | 308 UNCH |
| JUN19 | ---- | ---- | 33.78 | + 0.10 | ---- | ---- | 380 UNCH |
| JUL19 | ---- | ---- | 40.55 | + 0.29 | ---- | ---- | 418 UNCH |
| AUG19 | ---- | ---- | 37.35 | + 0.26 | ---- | ---- | 418 UNCH |
| SEP19 | ---- | ---- | 33.83 | + 0.18 | ---- | ---- | 380 UNCH |
| OCT19 | ---- | ---- | 32.04 | + 0.08 | ---- | ---- | 437 UNCH |
| NOV19 | ---- | ---- | 30.84 | + 0.03 | ---- | ---- | 380 UNCH |
| DEC19 | ---- | ---- | 32.89 | + 0.03 | ---- | ---- | 399 UNCH |
| JAN20 | ---- | ---- | 40.99 | + 0.09 | ---- | ---- | 484 UNCH |
| FEB20 | ---- | ---- | 38.35 | + 0.13 | ---- | ---- | 440 UNCH |
| MAR20 | ---- | ---- | 35.96 | + 0.13 | ---- | ---- | 484 UNCH |
| APR20 | ---- | ---- | 31.82 | + 0.10 | ---- | ---- | 484 UNCH |
| MAY20 | ---- | ---- | 31.87 | + 0.11 | ---- | ---- | 440 UNCH |
| JUN20 | ---- | ---- | 32.12 | + 0.11 | ---- | ---- | 484 UNCH |
| JUL20 | ---- | ---- | 39.49 | + 0.13 | ---- | ---- | 506 UNCH |
| AUG20 | ---- | ---- | 36.55 | + 0.12 | ---- | ---- | 462 UNCH |
| SEP20 | ---- | ---- | 31.47 | + 0.10 | ---- | ---- | 462 UNCH |
| OCT20 | ---- | ---- | 30.93 | + 0.11 | ---- | ---- | 484 UNCH |
| NOV20 | ---- | ---- | 30.98 | + 0.11 | ---- | ---- | 440 UNCH |
| DEC20 | ---- | ---- | 33.02 | + 0.11 | ---- | ---- | 484 UNCH |
| JAN21 | ---- | ---- | 40.79 | + 0.12 | ---- | ---- | 100 UNCH |
| FEB21 | ---- | ---- | 38.20 | + 0.11 | ---- | ---- | 100 UNCH |
| MAR21 | ---- | ---- | 34.62 | + 0.11 | ---- | ---- | 115 UNCH |
| APR21 | ---- | ---- | 30.93 | + 0.09 | ---- | ---- | 110 UNCH |
| MAY21 | ---- | ---- | 30.98 | + 0.09 | ---- | ---- | 100 UNCH |
| JUN21 | ---- | ---- | 31.53 | + 0.10 | ---- | ---- | 110 UNCH |
| JUL21 | ---- | ---- | 37.51 | + 0.12 | ---- | ---- | 105 UNCH |
| AUG21 | ---- | ---- | 34.92 | + 0.11 | ---- | ---- | 110 UNCH |
| SEP21 | ---- | ---- | 31.38 | + 0.09 | ---- | ---- | 105 UNCH |
| OCT21 | ---- | ---- | 29.49 | + 0.09 | ---- | ---- | 105 UNCH |
| NOV21 | ---- | ---- | 29.59 | + 0.09 | ---- | ---- | 105 UNCH |
| DEC21 | ---- | ---- | 31.93 | + 0.10 | ---- | ---- | 115 UNCH |
| JAN22 | ---- | ---- | 41.71 | + 0.12 | ---- | ---- | 84 UNCH |
| FEB22 | ---- | ---- | 38.91 | + 0.12 | ---- | ---- | 80 UNCH |
| MAR22 | ---- | ---- | 34.40 | + 0.10 | ---- | ---- | 92 UNCH |
| APR22 | ---- | ---- | 30.45 | + 0.10 | ---- | ---- | 84 UNCH |
| MAY22 | ---- | ---- | 30.45 | + 0.10 | ---- | ---- | 84 UNCH |
| JUN22 | ---- | ---- | 31.00 | + 0.10 | ---- | ---- | 88 UNCH |
| JUL22 | ---- | ---- | 36.81 | + 0.12 | ---- | ---- | 80 UNCH |
| AUG22 | ---- | ---- | 34.40 | + 0.10 | ---- | ---- | 92 UNCH |
| SEP22 | ---- | ---- | 30.85 | + 0.10 | ---- | ---- | 84 UNCH |
| OCT22 | ---- | ---- | 28.99 | + 0.08 | ---- | ---- | 84 UNCH |
| NOV22 | ---- | ---- | 29.14 | + 0.08 | ---- | ---- | 84 UNCH |
| DEC22 | ---- | ---- | 31.60 | + 0.10 | ---- | ---- | 84 UNCH |
| TOTAL Z9 FUT | | | | | | | 17565 |
| PWO FUT | PJM AEP DAYTON HUB DA OP DAILY | | | | | | |
| 20JUN18 | ---- | ---- | 20.81 | UNCH | ---- | ---- | 0 - 64 |
| 21JUN18 | ---- | ---- | 19.96 | UNCH | ---- | ---- | 64 UNCH |
| 22JUN18 | ---- | ---- | 19.92 | UNCH | ---- | ---- | 64 UNCH |
| 23JUN18 | ---- | ---- | 24.96 | UNCH | ---- | ---- | 192 UNCH |
| 24JUN18 | ---- | ---- | 26.49 | UNCH | ---- | ---- | 192 UNCH |
| 25JUN18 | ---- | ---- | 19.83 | UNCH | ---- | ---- | 64 UNCH |
| 26JUN18 | ---- | ---- | 18.96 | UNCH | ---- | ---- | 64 UNCH |
| 27JUN18 | ---- | ---- | 20.31 | UNCH | ---- | ---- | 64 UNCH |
| 28JUN18 | ---- | ---- | 20.97 | - 4.73 | ---- | ---- | 64 UNCH |
| 29JUN18 | ---- | ---- | 25.70 | UNCH | ---- | ---- | 64 UNCH |
| 30JUN18 | ---- | ---- | 25.70 | UNCH | ---- | ---- | 192 UNCH |
| TOTAL PWO FUT | | | | | | | 1024 - 64 |
| PAP FUT | PJM AEP DAYTON HUB DA PEAK DAILY | | | | | | |
| 20JUN18 | ---- | ---- | 33.85 | UNCH | ---- | ---- | 0 - 25 |
| 21JUN18 | ---- | ---- | 30.23 | UNCH | ---- | ---- | 25 UNCH |
| 22JUN18 | ---- | ---- | 27.81 | UNCH | ---- | ---- | 25 UNCH |
| 25JUN18 | ---- | ---- | 32.10 | UNCH | ---- | ---- | 25 UNCH |
| 26JUN18 | ---- | ---- | 32.66 | UNCH | ---- | ---- | 25 UNCH |
| 27JUN18 | ---- | ---- | 33.66 | UNCH | ---- | ---- | 25 UNCH |
| 28JUN18 | ---- | ---- | 41.20 | - 1.30 | ---- | ---- | 25 UNCH |
| 29JUN18 | ---- | ---- | 48.25 | + 5.75 | ---- | ---- | 25 UNCH |
| TOTAL PAP FUT | | | | | | | 175 - 25 |
| AOR FUT | PJM AEP DAYTON HUB RT OP DAILY | | | | | | |
| 19JUN18 | ---- | ---- | 23.95 | UNCH | ---- | ---- | 0 - 240 |
| 20JUN18 | ---- | ---- | 21.35 | UNCH | ---- | ---- | 240 UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|
| AOR FUT | PJM AEP DAYTON HUB RT OP DAILY | | | | | | | |
| 21JUN18 | | ---- | ---- | 20.22 | UNCH | ---- | ---- | 240 UNCH |
| 22JUN18 | | ---- | ---- | 20.67 | UNCH | ---- | ---- | 240 UNCH |
| 23JUN18 | | ---- | ---- | 25.26 | UNCH | ---- | ---- | 720 UNCH |
| 24JUN18 | | ---- | ---- | 26.54 | UNCH | ---- | ---- | 720 UNCH |
| 25JUN18 | | ---- | ---- | 18.95 | UNCH | ---- | ---- | 240 UNCH |
| 26JUN18 | | ---- | ---- | 18.44 | - 7.19 | ---- | ---- | 240 UNCH |
| 27JUN18 | | ---- | ---- | 25.63 | UNCH | ---- | ---- | 240 UNCH |
| 28JUN18 | | ---- | ---- | 25.63 | UNCH | ---- | ---- | 240 UNCH |
| 29JUN18 | | ---- | ---- | 25.63 | UNCH | ---- | ---- | 240 UNCH |
| 30JUN18 | | ---- | ---- | 25.63 | UNCH | ---- | ---- | 720 UNCH |
| TOTAL AOR FUT | | | | | | | | 4080 - 240 |
| R3 FUT | PJM BGE DA OFF-PEAK | | | | | | | |
| JUN18 | | ---- | ---- | 26.75 | - 0.19 | ---- | ---- | 768 UNCH |
| JUL18 | | ---- | ---- | 31.37 | + 0.63 | ---- | ---- | 816 UNCH |
| AUG18 | | ---- | ---- | 29.36 | + 0.45 | ---- | ---- | 752 UNCH |
| SEP18 | | ---- | ---- | 27.02 | + 0.26 | ---- | ---- | 832 UNCH |
| OCT18 | | ---- | ---- | 28.57 | + 0.15 | ---- | ---- | 752 UNCH |
| NOV18 | | ---- | ---- | 28.92 | + 0.15 | ---- | ---- | 770 UNCH |
| DEC18 | | ---- | ---- | 33.44 | + 0.11 | ---- | ---- | 848 UNCH |
| TOTAL R3 FUT | | | | | | | | 5538 |
| E3 FUT | PJM BGE DA PEAK | | | | | | | |
| JUN18 | | ---- | ---- | 39.50 | + 0.09 | ---- | ---- | 42 UNCH |
| JUL18 | | ---- | ---- | 49.04 | + 2.56 | ---- | ---- | 42 UNCH |
| AUG18 | | ---- | ---- | 44.03 | + 0.83 | ---- | ---- | 46 UNCH |
| SEP18 | | ---- | ---- | 40.57 | + 0.54 | ---- | ---- | 38 UNCH |
| OCT18 | | ---- | ---- | 38.46 | + 0.29 | ---- | ---- | 46 UNCH |
| NOV18 | | ---- | ---- | 38.15 | + 0.24 | ---- | ---- | 42 UNCH |
| DEC18 | | ---- | ---- | 41.09 | + 0.25 | ---- | ---- | 40 UNCH |
| TOTAL E3 FUT | | | | | | | | 296 |
| D9 FUT | PJM COMED 5MW D AH O PK | | | | | | | |
| JUN18 | | ---- | ---- | 21.93 | - 0.01 | ---- | ---- | 1920 UNCH |
| JUL18 | | ---- | ---- | 25.86 | + 0.48 | ---- | ---- | 2040 UNCH |
| AUG18 | | ---- | ---- | 23.32 | + 0.32 | ---- | ---- | 1880 UNCH |
| SEP18 | | ---- | ---- | 20.46 | + 0.19 | ---- | ---- | 2080 UNCH |
| OCT18 | | ---- | ---- | 20.23 | + 0.09 | ---- | ---- | 1880 UNCH |
| NOV18 | | ---- | ---- | 20.48 | + 0.09 | ---- | ---- | 1925 UNCH |
| DEC18 | | ---- | ---- | 22.91 | + 0.06 | ---- | ---- | 2120 UNCH |
| TOTAL D9 FUT | | | | | | | | 13845 |
| D8 FUT | PJM COMED 5MW D AH PK | | | | | | | |
| JUN18 | | ---- | ---- | 31.22 | + 0.32 | ---- | ---- | 105 UNCH |
| JUL18 | | ---- | ---- | 41.38 | + 1.99 | ---- | ---- | 105 UNCH |
| AUG18 | | ---- | ---- | 36.65 | + 0.97 | ---- | ---- | 115 UNCH |
| SEP18 | | ---- | ---- | 32.32 | + 0.45 | ---- | ---- | 95 UNCH |
| OCT18 | | ---- | ---- | 30.20 | + 0.23 | ---- | ---- | 115 UNCH |
| NOV18 | | ---- | ---- | 29.76 | + 0.13 | ---- | ---- | 105 UNCH |
| DEC18 | | ---- | ---- | 31.55 | + 0.18 | ---- | ---- | 100 UNCH |
| TOTAL D8 FUT | | | | | | | | 740 |
| JD FUT | PJM DAILY | | | | | | | |
| 25JUN18 | | ---- | ---- | 31.05 | UNCH | ---- | ---- | 0 - 364 |
| 26JUN18 | | ---- | ---- | 27.69 | - 4.06 | ---- | ---- | 364 UNCH |
| 27JUN18 | | ---- | ---- | 31.50 | UNCH | ---- | ---- | 364 UNCH |
| 28JUN18 | | ---- | ---- | 39.50 | - 1.75 | ---- | ---- | 364 UNCH |
| 29JUN18 | | ---- | ---- | 47.00 | + 5.75 | ---- | ---- | 364 UNCH |
| TOTAL JD FUT | | | | | | | | 1456 - 364 |
| R7 FUT | PJM DAYTON DA OFF-PEAK | | | | | | | |
| JUL18 | | ---- | ---- | 28.73 | + 0.70 | ---- | ---- | 3264 UNCH |
| AUG18 | | ---- | ---- | 26.13 | + 0.30 | ---- | ---- | 3008 UNCH |
| SEP18 | | ---- | ---- | 25.11 | + 0.15 | ---- | ---- | 3328 UNCH |
| OCT18 | | ---- | ---- | 25.10 | + 0.08 | ---- | ---- | 3008 UNCH |
| NOV18 | | ---- | ---- | 25.20 | + 0.08 | ---- | ---- | 3080 UNCH |
| DEC18 | | ---- | ---- | 27.77 | + 0.09 | ---- | ---- | 3392 UNCH |
| JAN19 | | ---- | ---- | 36.72 | + 0.39 | ---- | ---- | 1960 UNCH |
| FEB19 | | ---- | ---- | 33.53 | + 0.36 | ---- | ---- | 1760 UNCH |
| MAR19 | | ---- | ---- | 28.87 | + 0.27 | ---- | ---- | 2035 UNCH |
| APR19 | | ---- | ---- | 24.78 | + 0.23 | ---- | ---- | 1840 UNCH |
| MAY19 | | ---- | ---- | 23.05 | + 0.15 | ---- | ---- | 1960 UNCH |
| JUN19 | | ---- | ---- | 23.10 | + 0.05 | ---- | ---- | 2000 UNCH |
| JUL19 | | ---- | ---- | 26.74 | + 0.13 | ---- | ---- | 1960 UNCH |
| AUG19 | | ---- | ---- | 24.26 | + 0.12 | ---- | ---- | 1960 UNCH |
| SEP19 | | ---- | ---- | 23.08 | + 0.13 | ---- | ---- | 2000 UNCH |
| OCT19 | | ---- | ---- | 22.37 | + 0.07 | ---- | ---- | 1880 UNCH |
| NOV19 | | ---- | ---- | 23.23 | + 0.07 | ---- | ---- | 2005 UNCH |
| DEC19 | | ---- | ---- | 26.40 | + 0.09 | ---- | ---- | 2040 UNCH |
| JAN20 | | ---- | ---- | 34.48 | + 0.17 | ---- | ---- | 3920 UNCH |
| FEB20 | | ---- | ---- | 31.87 | + 0.16 | ---- | ---- | 3760 UNCH |
| MAR20 | | ---- | ---- | 27.89 | + 0.14 | ---- | ---- | 3910 UNCH |
| APR20 | | ---- | ---- | 24.62 | + 0.13 | ---- | ---- | 3680 UNCH |
| MAY20 | | ---- | ---- | 21.80 | + 0.11 | ---- | ---- | 4240 UNCH |
| JUN20 | | ---- | ---- | 22.50 | + 0.11 | ---- | ---- | 3680 UNCH |
| JUL20 | | ---- | ---- | 25.42 | + 0.12 | ---- | ---- | 3760 UNCH |
| AUG20 | | ---- | ---- | 22.95 | + 0.11 | ---- | ---- | 4080 UNCH |
| SEP20 | | ---- | ---- | 22.30 | + 0.11 | ---- | ---- | 3840 UNCH |
| OCT20 | | ---- | ---- | 22.00 | + 0.11 | ---- | ---- | 3920 UNCH |
| NOV20 | | ---- | ---- | 22.35 | + 0.11 | ---- | ---- | 4010 UNCH |
| DEC20 | | ---- | ---- | 25.57 | + 0.12 | ---- | ---- | 3920 UNCH |
| TOTAL R7 FUT | | | | | | | | 89200 |
| D7 FUT | PJM DAYTON DA PEAK | | | | | | | |
| JUL18 | | ---- | ---- | 44.65 | + 1.42 | ---- | ---- | 525 UNCH |
| AUG18 | | ---- | ---- | 40.30 | + 0.45 | ---- | ---- | 575 UNCH |
| SEP18 | | ---- | ---- | 37.44 | + 0.36 | ---- | ---- | 475 UNCH |
| OCT18 | | ---- | ---- | 35.09 | + 0.23 | ---- | ---- | 575 UNCH |
| NOV18 | | ---- | ---- | 33.63 | + 0.22 | ---- | ---- | 525 UNCH |
| DEC18 | | ---- | ---- | 35.24 | + 0.28 | ---- | ---- | 500 UNCH |
| JAN19 | | ---- | ---- | 43.42 | + 0.18 | ---- | ---- | 220 UNCH |
| FEB19 | | ---- | ---- | 39.28 | + 0.17 | ---- | ---- | 200 UNCH |
| MAR19 | | ---- | ---- | 35.22 | + 0.26 | ---- | ---- | 210 UNCH |
| APR19 | | ---- | ---- | 33.08 | + 0.24 | ---- | ---- | 220 UNCH |
| MAY19 | | ---- | ---- | 33.95 | + 0.05 | ---- | ---- | 220 UNCH |
| JUN19 | | ---- | ---- | 33.88 | + 0.10 | ---- | ---- | 200 UNCH |
| JUL19 | | ---- | ---- | 40.65 | + 0.29 | ---- | ---- | 220 UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| D7 FUT | PJM DAYTON DA PEAK | | | | | | | | |
| AUG19 | ---- | ---- | 37.45 | + | 0.26 | ---- | ---- | 220 | UNCH |
| SEP19 | ---- | ---- | 33.93 | + | 0.18 | ---- | ---- | 200 | UNCH |
| OCT19 | ---- | ---- | 32.14 | + | 0.08 | ---- | ---- | 230 | UNCH |
| NOV19 | ---- | ---- | 30.94 | + | 0.03 | ---- | ---- | 200 | UNCH |
| DEC19 | ---- | ---- | 32.99 | + | 0.03 | ---- | ---- | 210 | UNCH |
| JAN20 | ---- | ---- | 41.09 | + | 0.09 | ---- | ---- | 220 | UNCH |
| FEB20 | ---- | ---- | 38.45 | + | 0.13 | ---- | ---- | 200 | UNCH |
| MAR20 | ---- | ---- | 36.06 | + | 0.13 | ---- | ---- | 220 | UNCH |
| APR20 | ---- | ---- | 31.92 | + | 0.10 | ---- | ---- | 220 | UNCH |
| MAY20 | ---- | ---- | 31.97 | + | 0.11 | ---- | ---- | 200 | UNCH |
| JUN20 | ---- | ---- | 32.22 | + | 0.11 | ---- | ---- | 220 | UNCH |
| JUL20 | ---- | ---- | 39.59 | + | 0.13 | ---- | ---- | 230 | UNCH |
| AUG20 | ---- | ---- | 36.65 | + | 0.12 | ---- | ---- | 210 | UNCH |
| SEP20 | ---- | ---- | 31.57 | + | 0.10 | ---- | ---- | 210 | UNCH |
| OCT20 | ---- | ---- | 31.03 | + | 0.11 | ---- | ---- | 220 | UNCH |
| NOV20 | ---- | ---- | 31.08 | + | 0.11 | ---- | ---- | 200 | UNCH |
| DEC20 | ---- | ---- | 33.12 | + | 0.11 | ---- | ---- | 220 | UNCH |
| TOTAL D7 FUT | | | | | | | | 8295 | |
| 46 FUT | PJM METED ZONE OFFPK CAL LMP | | | | | | | | |
| JUN18 | ---- | ---- | 19.91 | - | 0.04 | ---- | ---- | 768 | UNCH |
| JUL18 | ---- | ---- | 26.32 | + | 0.44 | ---- | ---- | 816 | UNCH |
| AUG18 | ---- | ---- | 24.18 | + | 0.34 | ---- | ---- | 752 | UNCH |
| SEP18 | ---- | ---- | 21.37 | + | 0.20 | ---- | ---- | 832 | UNCH |
| OCT18 | ---- | ---- | 22.14 | + | 0.10 | ---- | ---- | 752 | UNCH |
| NOV18 | ---- | ---- | 22.59 | + | 0.10 | ---- | ---- | 770 | UNCH |
| DEC18 | ---- | ---- | 27.58 | + | 0.09 | ---- | ---- | 848 | UNCH |
| JAN19 | ---- | ---- | 46.55 | + | 0.44 | ---- | ---- | 784 | UNCH |
| FEB19 | ---- | ---- | 42.16 | + | 0.39 | ---- | ---- | 704 | UNCH |
| MAR19 | ---- | ---- | 27.46 | + | 0.13 | ---- | ---- | 814 | UNCH |
| APR19 | ---- | ---- | 21.77 | + | 0.12 | ---- | ---- | 736 | UNCH |
| MAY19 | ---- | ---- | 18.93 | + | 0.13 | ---- | ---- | 784 | UNCH |
| JUN19 | ---- | ---- | 19.22 | + | 0.10 | ---- | ---- | 800 | UNCH |
| JUL19 | ---- | ---- | 23.17 | + | 0.14 | ---- | ---- | 784 | UNCH |
| AUG19 | ---- | ---- | 20.91 | + | 0.12 | ---- | ---- | 784 | UNCH |
| SEP19 | ---- | ---- | 18.72 | + | 0.12 | ---- | ---- | 800 | UNCH |
| OCT19 | ---- | ---- | 18.65 | + | 0.03 | ---- | ---- | 752 | UNCH |
| NOV19 | ---- | ---- | 19.76 | + | 0.03 | ---- | ---- | 802 | UNCH |
| DEC19 | ---- | ---- | 25.16 | + | 0.04 | ---- | ---- | 816 | UNCH |
| JAN20 | ---- | ---- | 43.44 | + | 0.11 | ---- | ---- | 784 | UNCH |
| FEB20 | ---- | ---- | 40.43 | + | 0.11 | ---- | ---- | 752 | UNCH |
| MAR20 | ---- | ---- | 26.20 | + | 0.19 | ---- | ---- | 782 | UNCH |
| APR20 | ---- | ---- | 20.88 | + | 0.14 | ---- | ---- | 736 | UNCH |
| MAY20 | ---- | ---- | 18.18 | + | 0.13 | ---- | ---- | 848 | UNCH |
| JUN20 | ---- | ---- | 18.23 | + | 0.13 | ---- | ---- | 736 | UNCH |
| JUL20 | ---- | ---- | 21.69 | + | 0.05 | ---- | ---- | 752 | UNCH |
| AUG20 | ---- | ---- | 19.70 | + | 0.04 | ---- | ---- | 816 | UNCH |
| SEP20 | ---- | ---- | 17.92 | + | 0.12 | ---- | ---- | 768 | UNCH |
| OCT20 | ---- | ---- | 18.16 | + | 0.04 | ---- | ---- | 784 | UNCH |
| NOV20 | ---- | ---- | 18.66 | + | 0.04 | ---- | ---- | 802 | UNCH |
| DEC20 | ---- | ---- | 24.32 | + | 0.06 | ---- | ---- | 784 | UNCH |
| TOTAL 46 FUT | | | | | | | | 24242 | |
| 47 FUT | PJM METED ZONE PEAK CAL LMP | | | | | | | | |
| JUN18 | ---- | ---- | 28.50 | + | 0.29 | ---- | ---- | 42 | UNCH |
| JUL18 | ---- | ---- | 41.12 | + | 1.53 | ---- | ---- | 42 | UNCH |
| AUG18 | ---- | ---- | 37.46 | + | 0.64 | ---- | ---- | 46 | UNCH |
| SEP18 | ---- | ---- | 30.85 | + | 0.37 | ---- | ---- | 38 | UNCH |
| OCT18 | ---- | ---- | 29.34 | + | 0.22 | ---- | ---- | 46 | UNCH |
| NOV18 | ---- | ---- | 30.01 | + | 0.18 | ---- | ---- | 42 | UNCH |
| DEC18 | ---- | ---- | 35.34 | + | 0.21 | ---- | ---- | 40 | UNCH |
| JAN19 | ---- | ---- | 53.95 | + | 0.24 | ---- | ---- | 44 | UNCH |
| FEB19 | ---- | ---- | 49.87 | + | 0.27 | ---- | ---- | 40 | UNCH |
| MAR19 | ---- | ---- | 34.14 | + | 0.19 | ---- | ---- | 42 | UNCH |
| APR19 | ---- | ---- | 29.32 | + | 0.17 | ---- | ---- | 44 | UNCH |
| MAY19 | ---- | ---- | 29.33 | + | 0.06 | ---- | ---- | 44 | UNCH |
| JUN19 | ---- | ---- | 29.38 | + | 0.10 | ---- | ---- | 40 | UNCH |
| JUL19 | ---- | ---- | 37.25 | + | 0.22 | ---- | ---- | 44 | UNCH |
| AUG19 | ---- | ---- | 34.13 | + | 0.21 | ---- | ---- | 44 | UNCH |
| SEP19 | ---- | ---- | 28.62 | + | 0.23 | ---- | ---- | 40 | UNCH |
| OCT19 | ---- | ---- | 27.17 | + | 0.05 | ---- | ---- | 46 | UNCH |
| NOV19 | ---- | ---- | 27.14 | + | 0.01 | ---- | ---- | 40 | UNCH |
| DEC19 | ---- | ---- | 32.69 | + | 0.01 | ---- | ---- | 42 | UNCH |
| JAN20 | ---- | ---- | 51.89 | + | 0.09 | ---- | ---- | 44 | UNCH |
| FEB20 | ---- | ---- | 48.43 | + | 0.13 | ---- | ---- | 40 | UNCH |
| MAR20 | ---- | ---- | 34.20 | + | 0.22 | ---- | ---- | 44 | UNCH |
| APR20 | ---- | ---- | 28.22 | + | 0.19 | ---- | ---- | 44 | UNCH |
| MAY20 | ---- | ---- | 27.71 | + | 0.18 | ---- | ---- | 40 | UNCH |
| JUN20 | ---- | ---- | 28.12 | + | 0.19 | ---- | ---- | 44 | UNCH |
| JUL20 | ---- | ---- | 36.12 | + | 0.10 | ---- | ---- | 46 | UNCH |
| AUG20 | ---- | ---- | 33.27 | + | 0.09 | ---- | ---- | 42 | UNCH |
| SEP20 | ---- | ---- | 27.10 | + | 0.17 | ---- | ---- | 42 | UNCH |
| OCT20 | ---- | ---- | 26.52 | + | 0.09 | ---- | ---- | 44 | UNCH |
| NOV20 | ---- | ---- | 26.82 | + | 0.09 | ---- | ---- | 40 | UNCH |
| DEC20 | ---- | ---- | 32.54 | + | 0.11 | ---- | ---- | 44 | UNCH |
| TOTAL 47 FUT | | | | | | | | 1320 | |
| JM FUT | PJM MONTHLY | | | | | | | | |
| JUN18 | ---- | ---- | 43.25 | + | 5.25 | ---- | ---- | 30 | UNCH |
| JUL18 | ---- | ---- | 42.79 | + | 1.70 | ---- | ---- | 110 | UNCH |
| AUG18 | ---- | ---- | 38.33 | + | 0.67 | ---- | ---- | 110 | UNCH |
| SEP18 | ---- | ---- | 35.86 | + | 0.46 | ---- | ---- | 190 | UNCH |
| OCT18 | ---- | ---- | 34.33 | + | 0.26 | ---- | ---- | 70 | UNCH |
| NOV18 | ---- | ---- | 33.98 | + | 0.21 | ---- | ---- | 70 | UNCH |
| DEC18 | ---- | ---- | 37.00 | + | 0.22 | ---- | ---- | 70 | UNCH |
| JAN19 | ---- | ---- | 50.48 | + | 0.22 | ---- | ---- | 40 | UNCH |
| FEB19 | ---- | ---- | 46.20 | + | 0.24 | ---- | ---- | 40 | UNCH |
| MAR19 | ---- | ---- | 36.71 | + | 0.21 | ---- | ---- | 40 | UNCH |
| APR19 | ---- | ---- | 32.74 | + | 0.19 | ---- | ---- | 40 | UNCH |
| MAY19 | ---- | ---- | 32.88 | + | 0.06 | ---- | ---- | 40 | UNCH |
| JUN19 | ---- | ---- | 32.69 | + | 0.11 | ---- | ---- | 40 | UNCH |
| JUL19 | ---- | ---- | 38.81 | + | 0.23 | ---- | ---- | 40 | UNCH |
| AUG19 | ---- | ---- | 35.59 | + | 0.22 | ---- | ---- | 40 | UNCH |
| SEP19 | ---- | ---- | 32.94 | + | 0.26 | ---- | ---- | 40 | UNCH |
| OCT19 | ---- | ---- | 31.27 | + | 0.06 | ---- | ---- | 40 | UNCH |
| NOV19 | ---- | ---- | 31.02 | + | 0.01 | ---- | ---- | 40 | UNCH |
| DEC19 | ---- | ---- | 34.13 | + | 0.01 | ---- | ---- | 40 | UNCH |

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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|
| TOTAL JM FUT | | | | | | | | 1130 |
| B6 FUT | PJM NI HUB 5MW REAL TIME O PK | | | | | | | |
| JUL18 | | ---- | ---- | 25.35 | + 0.75 | ---- | ---- | 54672 UNCH |
| AUG18 | | ---- | ---- | 22.75 | + 0.37 | ---- | ---- | 50384 UNCH |
| SEP18 | | ---- | ---- | 20.23 | + 0.15 | ---- | ---- | 55744 UNCH |
| OCT18 | | ---- | ---- | 20.26 | + 0.10 | ---- | ---- | 50384 UNCH |
| NOV18 | | ---- | ---- | 20.36 | + 0.10 | ---- | ---- | 51590 UNCH |
| DEC18 | | ---- | ---- | 22.31 | + 0.06 | ---- | ---- | 56816 UNCH |
| JAN19 | | ---- | ---- | 30.80 | + 0.41 | ---- | ---- | 7448 UNCH |
| FEB19 | | ---- | ---- | 27.95 | + 0.34 | ---- | ---- | 6688 UNCH |
| MAR19 | | ---- | ---- | 22.91 | + 0.18 | ---- | ---- | 7733 UNCH |
| APR19 | | ---- | ---- | 21.24 | + 0.12 | ---- | ---- | 6992 UNCH |
| MAY19 | | ---- | ---- | 18.30 | + 0.05 | ---- | ---- | 7448 UNCH |
| JUN19 | | ---- | ---- | 18.95 | + 0.05 | ---- | ---- | 7600 UNCH |
| JUL19 | | ---- | ---- | 22.78 | + 0.15 | ---- | ---- | 7448 UNCH |
| AUG19 | | ---- | ---- | 20.82 | + 0.10 | ---- | ---- | 7448 UNCH |
| SEP19 | | ---- | ---- | 18.93 | + 0.13 | ---- | ---- | 7600 UNCH |
| OCT19 | | ---- | ---- | 18.80 | + 0.09 | ---- | ---- | 7144 UNCH |
| NOV19 | | ---- | ---- | 19.15 | + 0.09 | ---- | ---- | 7619 UNCH |
| DEC19 | | ---- | ---- | 20.56 | + 0.05 | ---- | ---- | 7752 UNCH |
| TOTAL B6 FUT | | | | | | | | 408510 |
| B3 FUT | PJM NI HUB 5MW REAL TIME PK | | | | | | | |
| JUL18 | | ---- | ---- | 40.15 | + 1.52 | ---- | ---- | 1869 UNCH |
| AUG18 | | ---- | ---- | 35.95 | + 0.70 | ---- | ---- | 2047 UNCH |
| SEP18 | | ---- | ---- | 32.20 | + 0.29 | ---- | ---- | 1691 UNCH |
| OCT18 | | ---- | ---- | 29.68 | + 0.12 | ---- | ---- | 2047 UNCH |
| NOV18 | | ---- | ---- | 29.23 | + 0.12 | ---- | ---- | 1869 UNCH |
| DEC18 | | ---- | ---- | 30.68 | + 0.17 | ---- | ---- | 1780 UNCH |
| JAN19 | | ---- | ---- | 37.08 | + 0.18 | ---- | ---- | 748 UNCH |
| FEB19 | | ---- | ---- | 34.17 | + 0.17 | ---- | ---- | 680 UNCH |
| MAR19 | | ---- | ---- | 30.26 | + 0.25 | ---- | ---- | 714 UNCH |
| APR19 | | ---- | ---- | 28.44 | + 0.25 | ---- | ---- | 748 UNCH |
| MAY19 | | ---- | ---- | 29.20 | + 0.05 | ---- | ---- | 748 UNCH |
| JUN19 | | ---- | ---- | 29.78 | + 0.10 | ---- | ---- | 980 UNCH |
| JUL19 | | ---- | ---- | 36.68 | + 0.29 | ---- | ---- | 1078 UNCH |
| AUG19 | | ---- | ---- | 33.97 | + 0.26 | ---- | ---- | 1078 UNCH |
| SEP19 | | ---- | ---- | 29.93 | + 0.18 | ---- | ---- | 980 UNCH |
| OCT19 | | ---- | ---- | 27.46 | + 0.09 | ---- | ---- | 782 UNCH |
| NOV19 | | ---- | ---- | 26.91 | + 0.04 | ---- | ---- | 680 UNCH |
| DEC19 | | ---- | ---- | 29.11 | + 0.03 | ---- | ---- | 714 UNCH |
| TOTAL B3 FUT | | | | | | | | 21233 |
| L3 FUT | PJM NILL DA OFF-PEAK | | | | | | | |
| JUL18 | | ---- | ---- | 25.40 | + 0.75 | ---- | ---- | 19176 UNCH |
| AUG18 | | ---- | ---- | 22.80 | + 0.37 | ---- | ---- | 17672 UNCH |
| SEP18 | | ---- | ---- | 20.28 | + 0.15 | ---- | ---- | 19968 UNCH |
| OCT18 | | ---- | ---- | 20.31 | + 0.10 | ---- | ---- | 17672 UNCH |
| NOV18 | | ---- | ---- | 20.41 | + 0.10 | ---- | ---- | 17710 UNCH |
| DEC18 | | ---- | ---- | 22.36 | + 0.06 | ---- | ---- | 19504 UNCH |
| JAN19 | | ---- | ---- | 30.85 | + 0.41 | ---- | ---- | 13328 UNCH |
| FEB19 | | ---- | ---- | 28.00 | + 0.34 | ---- | ---- | 11968 UNCH |
| MAR19 | | ---- | ---- | 22.96 | + 0.18 | ---- | ---- | 13838 UNCH |
| APR19 | | ---- | ---- | 21.29 | + 0.12 | ---- | ---- | 12512 UNCH |
| MAY19 | | ---- | ---- | 18.35 | + 0.05 | ---- | ---- | 13328 UNCH |
| JUN19 | | ---- | ---- | 19.00 | + 0.05 | ---- | ---- | 13600 UNCH |
| JUL19 | | ---- | ---- | 22.83 | + 0.15 | ---- | ---- | 13328 UNCH |
| AUG19 | | ---- | ---- | 20.87 | + 0.10 | ---- | ---- | 13328 UNCH |
| SEP19 | | ---- | ---- | 18.98 | + 0.13 | ---- | ---- | 13600 UNCH |
| OCT19 | | ---- | ---- | 18.85 | + 0.09 | ---- | ---- | 12784 UNCH |
| NOV19 | | ---- | ---- | 19.20 | + 0.09 | ---- | ---- | 13634 UNCH |
| DEC19 | | ---- | ---- | 20.61 | + 0.05 | ---- | ---- | 13872 UNCH |
| TOTAL L3 FUT | | | | | | | | 270822 |
| N3 FUT | PJM NILL DA PEAK | | | | | | | |
| JUL18 | | ---- | ---- | 40.15 | + 1.52 | ---- | ---- | 1155 UNCH |
| AUG18 | | ---- | ---- | 35.95 | + 0.70 | ---- | ---- | 1265 UNCH |
| SEP18 | | ---- | ---- | 32.20 | + 0.29 | ---- | ---- | 1026 UNCH |
| OCT18 | | ---- | ---- | 29.68 | + 0.12 | ---- | ---- | 1265 UNCH |
| NOV18 | | ---- | ---- | 29.23 | + 0.12 | ---- | ---- | 1155 UNCH |
| DEC18 | | ---- | ---- | 30.68 | + 0.17 | ---- | ---- | 1100 UNCH |
| JAN19 | | ---- | ---- | 37.08 | + 0.18 | ---- | ---- | 858 UNCH |
| FEB19 | | ---- | ---- | 34.17 | + 0.17 | ---- | ---- | 780 UNCH |
| MAR19 | | ---- | ---- | 30.26 | + 0.25 | ---- | ---- | 819 UNCH |
| APR19 | | ---- | ---- | 28.44 | + 0.25 | ---- | ---- | 858 UNCH |
| MAY19 | | ---- | ---- | 29.20 | + 0.05 | ---- | ---- | 858 UNCH |
| JUN19 | | ---- | ---- | 29.78 | + 0.10 | ---- | ---- | 780 UNCH |
| JUL19 | | ---- | ---- | 36.68 | + 0.29 | ---- | ---- | 858 UNCH |
| AUG19 | | ---- | ---- | 33.97 | + 0.26 | ---- | ---- | 858 UNCH |
| SEP19 | | ---- | ---- | 29.93 | + 0.18 | ---- | ---- | 780 UNCH |
| OCT19 | | ---- | ---- | 27.46 | + 0.09 | ---- | ---- | 897 UNCH |
| NOV19 | | ---- | ---- | 26.91 | + 0.04 | ---- | ---- | 780 UNCH |
| DEC19 | | ---- | ---- | 29.11 | + 0.03 | ---- | ---- | 819 UNCH |
| TOTAL N3 FUT | | | | | | | | 16911 |
| PNO FUT | PJM NORTERN ILL HUB DA OP DAILY | | | | | | | |
| 20JUN18 | | ---- | ---- | 19.44 | UNCH | ---- | ---- | 0 - 376 |
| 21JUN18 | | ---- | ---- | 17.67 | UNCH | ---- | ---- | 376 UNCH |
| 22JUN18 | | ---- | ---- | 18.47 | UNCH | ---- | ---- | 376 UNCH |
| 23JUN18 | | ---- | ---- | 23.64 | UNCH | ---- | ---- | 1128 UNCH |
| 24JUN18 | | ---- | ---- | 25.04 | UNCH | ---- | ---- | 1128 UNCH |
| 25JUN18 | | ---- | ---- | 19.25 | UNCH | ---- | ---- | 376 UNCH |
| 26JUN18 | | ---- | ---- | 18.38 | UNCH | ---- | ---- | 376 UNCH |
| 27JUN18 | | ---- | ---- | 19.77 | UNCH | ---- | ---- | 376 UNCH |
| 28JUN18 | | ---- | ---- | 20.53 | - 0.68 | ---- | ---- | 376 UNCH |
| 29JUN18 | | ---- | ---- | 21.21 | UNCH | ---- | ---- | 376 UNCH |
| 30JUN18 | | ---- | ---- | 21.21 | UNCH | ---- | ---- | 1128 UNCH |
| TOTAL PNO FUT | | | | | | | | 6016 - 376 |
| PNP FUT | PJM NORTERN ILL HUB DA PEAK DAILY | | | | | | | |
| 20JUN18 | | ---- | ---- | 30.78 | UNCH | ---- | ---- | 0 - 57 |
| 21JUN18 | | ---- | ---- | 24.32 | UNCH | ---- | ---- | 57 UNCH |
| 22JUN18 | | ---- | ---- | 23.61 | UNCH | ---- | ---- | 57 UNCH |
| 25JUN18 | | ---- | ---- | 30.52 | UNCH | ---- | ---- | 57 UNCH |
| 26JUN18 | | ---- | ---- | 31.08 | UNCH | ---- | ---- | 57 UNCH |
| 27JUN18 | | ---- | ---- | 32.64 | UNCH | ---- | ---- | 57 UNCH |
| 28JUN18 | | ---- | ---- | 40.07 | + 2.57 | ---- | ---- | 57 UNCH |

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# ENERGY FUTURES PRODUCTS



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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|
| PNP FUT | PJM NORTERN ILL HUB DA PEAK DAILY | | | | | | | |
| 29JUN18 | | ---- | ---- | 42.00 | + 4.50 | ---- | ---- | 57 UNCH |
| TOTAL PNP FUT | | | | | | | | 399 - 57 |
| NOC FUT | PJM NORTERN ILL HUB RT OP DAILY | | | | | | | |
| 19JUN18 | | ---- | ---- | 23.36 | UNCH | ---- | ---- | 0 - 1072 |
| 20JUN18 | | ---- | ---- | 20.93 | UNCH | ---- | ---- | 1072 UNCH |
| 21JUN18 | | ---- | ---- | 19.63 | UNCH | ---- | ---- | 1072 UNCH |
| 22JUN18 | | ---- | ---- | 20.12 | UNCH | ---- | ---- | 1072 UNCH |
| 23JUN18 | | ---- | ---- | 24.67 | UNCH | ---- | ---- | 3216 UNCH |
| 24JUN18 | | ---- | ---- | 25.18 | UNCH | ---- | ---- | 3216 UNCH |
| 25JUN18 | | ---- | ---- | 18.40 | UNCH | ---- | ---- | 1072 UNCH |
| 26JUN18 | | ---- | ---- | 18.03 | - 3.16 | ---- | ---- | 1072 UNCH |
| 27JUN18 | | ---- | ---- | 21.19 | UNCH | ---- | ---- | 1072 UNCH |
| 28JUN18 | | ---- | ---- | 21.19 | UNCH | ---- | ---- | 1072 UNCH |
| 29JUN18 | | ---- | ---- | 21.19 | UNCH | ---- | ---- | 1072 UNCH |
| 30JUN18 | | ---- | ---- | 21.19 | UNCH | ---- | ---- | 3216 UNCH |
| TOTAL NOC FUT | | | | | | | | 18224 - 1072 |
| JP FUT | PJM OFF-PEAK LMP FUTURE | | | | | | | |
| JUN18 | | ---- | ---- | 24.96 | - 0.14 | ---- | ---- | 42 UNCH |
| JUL18 | | ---- | ---- | 27.95 | + 0.60 | ---- | ---- | 42 UNCH |
| AUG18 | | ---- | ---- | 25.55 | + 0.37 | ---- | ---- | 42 UNCH |
| SEP18 | | ---- | ---- | 24.55 | + 0.24 | ---- | ---- | 40 UNCH |
| OCT18 | | ---- | ---- | 25.20 | + 0.12 | ---- | ---- | 40 UNCH |
| NOV18 | | ---- | ---- | 25.25 | + 0.12 | ---- | ---- | 40 UNCH |
| DEC18 | | ---- | ---- | 29.13 | + 0.09 | ---- | ---- | 40 UNCH |
| TOTAL JP FUT | | | | | | | | 286 |
| W6 FUT | PJM PSEG DA OFF-PEAK | | | | | | | |
| JUN18 | | ---- | ---- | 21.04 | - 0.03 | ---- | ---- | 1920 UNCH |
| JUL18 | | ---- | ---- | 26.42 | + 0.45 | ---- | ---- | 2040 UNCH |
| AUG18 | | ---- | ---- | 23.67 | + 0.33 | ---- | ---- | 1880 UNCH |
| SEP18 | | ---- | ---- | 20.71 | + 0.19 | ---- | ---- | 2080 UNCH |
| OCT18 | | ---- | ---- | 21.23 | + 0.09 | ---- | ---- | 1880 UNCH |
| NOV18 | | ---- | ---- | 22.44 | + 0.10 | ---- | ---- | 1925 UNCH |
| DEC18 | | ---- | ---- | 28.63 | + 0.09 | ---- | ---- | 2120 UNCH |
| JAN19 | | ---- | ---- | 49.38 | + 0.48 | ---- | ---- | 1960 UNCH |
| FEB19 | | ---- | ---- | 45.59 | + 0.44 | ---- | ---- | 1760 UNCH |
| MAR19 | | ---- | ---- | 29.62 | + 0.13 | ---- | ---- | 2035 UNCH |
| APR19 | | ---- | ---- | 21.46 | + 0.11 | ---- | ---- | 1840 UNCH |
| MAY19 | | ---- | ---- | 18.63 | + 0.13 | ---- | ---- | 1960 UNCH |
| TOTAL W6 FUT | | | | | | | | 23400 |
| PWO FUT | PJM WESTERN HUB DA OP DAILY FUT | | | | | | | |
| 20JUN18 | | ---- | ---- | 20.93 | UNCH | ---- | ---- | 0 - 376 |
| 21JUN18 | | ---- | ---- | 19.38 | UNCH | ---- | ---- | 376 UNCH |
| 22JUN18 | | ---- | ---- | 19.82 | UNCH | ---- | ---- | 376 UNCH |
| 23JUN18 | | ---- | ---- | 26.27 | UNCH | ---- | ---- | 1128 UNCH |
| 24JUN18 | | ---- | ---- | 28.72 | UNCH | ---- | ---- | 1128 UNCH |
| 25JUN18 | | ---- | ---- | 19.74 | UNCH | ---- | ---- | 376 UNCH |
| 26JUN18 | | ---- | ---- | 18.87 | UNCH | ---- | ---- | 376 UNCH |
| 27JUN18 | | ---- | ---- | 19.81 | UNCH | ---- | ---- | 376 UNCH |
| 28JUN18 | | ---- | ---- | 20.70 | - 4.11 | ---- | ---- | 376 UNCH |
| 29JUN18 | | ---- | ---- | 24.81 | UNCH | ---- | ---- | 376 UNCH |
| 30JUN18 | | ---- | ---- | 24.81 | UNCH | ---- | ---- | 1128 UNCH |
| TOTAL PWO FUT | | | | | | | | 6016 - 376 |
| PWP FUT | PJM WESTERN HUB DA PEAK DAILY | | | | | | | |
| 20JUN18 | | ---- | ---- | 33.56 | UNCH | ---- | ---- | 0 - 47 |
| 21JUN18 | | ---- | ---- | 30.77 | UNCH | ---- | ---- | 47 UNCH |
| 22JUN18 | | ---- | ---- | 28.28 | UNCH | ---- | ---- | 47 UNCH |
| 25JUN18 | | ---- | ---- | 33.22 | UNCH | ---- | ---- | 47 UNCH |
| 26JUN18 | | ---- | ---- | 30.84 | UNCH | ---- | ---- | 47 UNCH |
| 27JUN18 | | ---- | ---- | 33.97 | UNCH | ---- | ---- | 47 UNCH |
| 28JUN18 | | ---- | ---- | 41.28 | + 0.03 | ---- | ---- | 47 UNCH |
| 29JUN18 | | ---- | ---- | 47.00 | + 5.75 | ---- | ---- | 47 UNCH |
| TOTAL PWP FUT | | | | | | | | 329 - 47 |
| WOR FUT | PJM WESTERN HUB RT OP DAILY | | | | | | | |
| 19JUN18 | | ---- | ---- | 24.05 | UNCH | ---- | ---- | 0 - 1360 |
| 20JUN18 | | ---- | ---- | 21.53 | UNCH | ---- | ---- | 1360 UNCH |
| 21JUN18 | | ---- | ---- | 20.52 | UNCH | ---- | ---- | 1360 UNCH |
| 22JUN18 | | ---- | ---- | 20.63 | UNCH | ---- | ---- | 1360 UNCH |
| 23JUN18 | | ---- | ---- | 25.37 | UNCH | ---- | ---- | 4080 UNCH |
| 24JUN18 | | ---- | ---- | 26.72 | UNCH | ---- | ---- | 4080 UNCH |
| 25JUN18 | | ---- | ---- | 18.80 | UNCH | ---- | ---- | 1360 UNCH |
| 26JUN18 | | ---- | ---- | 18.21 | - 6.93 | ---- | ---- | 1360 UNCH |
| 27JUN18 | | ---- | ---- | 25.14 | UNCH | ---- | ---- | 1360 UNCH |
| 28JUN18 | | ---- | ---- | 25.14 | UNCH | ---- | ---- | 1360 UNCH |
| 29JUN18 | | ---- | ---- | 25.14 | UNCH | ---- | ---- | 1360 UNCH |
| 30JUN18 | | ---- | ---- | 25.14 | UNCH | ---- | ---- | 4080 UNCH |
| TOTAL WOR FUT | | | | | | | | 23120 - 1360 |
| E4 FUT | PJM WESTH DA OFF-PEAK | | | | | | | |
| JUL18 | | ---- | ---- | 28.00 | + 0.60 | ---- | ---- | 19176 UNCH |
| AUG18 | | ---- | ---- | 25.60 | + 0.37 | ---- | ---- | 17672 UNCH |
| SEP18 | | ---- | ---- | 24.60 | + 0.24 | ---- | ---- | 19552 UNCH |
| OCT18 | | ---- | ---- | 25.25 | + 0.12 | ---- | ---- | 17672 UNCH |
| NOV18 | | ---- | ---- | 25.30 | + 0.12 | ---- | ---- | 18095 UNCH |
| DEC18 | | ---- | ---- | 29.18 | + 0.09 | ---- | ---- | 19928 UNCH |
| JAN19 | | ---- | ---- | 43.37 | + 0.39 | ---- | ---- | 12544 UNCH |
| FEB19 | | ---- | ---- | 40.04 | + 0.36 | ---- | ---- | 11264 UNCH |
| MAR19 | | ---- | ---- | 30.12 | + 0.13 | ---- | ---- | 13024 UNCH |
| APR19 | | ---- | ---- | 24.88 | + 0.12 | ---- | ---- | 11776 UNCH |
| MAY19 | | ---- | ---- | 22.25 | + 0.15 | ---- | ---- | 12544 UNCH |
| JUN19 | | ---- | ---- | 22.28 | + 0.10 | ---- | ---- | 12800 UNCH |
| JUL19 | | ---- | ---- | 25.53 | + 0.15 | ---- | ---- | 12544 UNCH |
| AUG19 | | ---- | ---- | 23.12 | + 0.13 | ---- | ---- | 12544 UNCH |
| SEP19 | | ---- | ---- | 22.24 | + 0.14 | ---- | ---- | 12800 UNCH |
| OCT19 | | ---- | ---- | 22.31 | + 0.04 | ---- | ---- | 12032 UNCH |
| NOV19 | | ---- | ---- | 23.27 | + 0.04 | ---- | ---- | 12832 UNCH |
| DEC19 | | ---- | ---- | 26.91 | + 0.04 | ---- | ---- | 13056 UNCH |
| JAN20 | | ---- | ---- | 40.48 | + 0.10 | ---- | ---- | 8624 UNCH |
| FEB20 | | ---- | ---- | 37.82 | + 0.10 | ---- | ---- | 8272 UNCH |
| MAR20 | | ---- | ---- | 29.02 | + 0.22 | ---- | ---- | 8602 UNCH |
| APR20 | | ---- | ---- | 24.56 | + 0.18 | ---- | ---- | 8096 UNCH |
| MAY20 | | ---- | ---- | 21.45 | + 0.16 | ---- | ---- | 9328 UNCH |

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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|
| E4 FUT | PJM WESTH DA OFF-PEAK | | | | | | | | | |
| JUN20 | | ---- | ---- | 21.60 | + | 0.16 | ---- | ---- | 736 | UNCH |
| JUL20 | | ---- | ---- | 24.45 | + | 0.06 | ---- | ---- | 752 | UNCH |
| AUG20 | | ---- | ---- | 22.25 | + | 0.04 | ---- | ---- | 816 | UNCH |
| SEP20 | | ---- | ---- | 21.50 | + | 0.16 | ---- | ---- | 768 | UNCH |
| OCT20 | | ---- | ---- | 21.57 | + | 0.05 | ---- | ---- | 784 | UNCH |
| NOV20 | | ---- | ---- | 22.12 | + | 0.05 | ---- | ---- | 802 | UNCH |
| DEC20 | | ---- | ---- | 25.62 | + | 0.06 | ---- | ---- | 784 | UNCH |
| TOTAL E4 FUT | | | | | | | | | 310219 | |
| N9 FUT | PJM WESTH RT OFF-PEAK | | | | | | | | | |
| JUL18 | | ---- | ---- | 27.95 | + | 0.60 | ---- | ---- | 102000 | UNCH |
| AUG18 | | ---- | ---- | 25.55 | + | 0.37 | ---- | ---- | 94000 | UNCH |
| SEP18 | | ---- | ---- | 24.55 | + | 0.24 | ---- | ---- | 70720 | UNCH |
| OCT18 | | ---- | ---- | 25.20 | + | 0.12 | ---- | ---- | 63920 | UNCH |
| NOV18 | | ---- | ---- | 25.25 | + | 0.12 | ---- | ---- | 65450 | UNCH |
| DEC18 | | ---- | ---- | 29.13 | + | 0.09 | ---- | ---- | 72080 | UNCH |
| JAN19 | | ---- | ---- | 43.32 | + | 0.39 | ---- | ---- | 66248 | UNCH |
| FEB19 | | ---- | ---- | 39.99 | + | 0.36 | ---- | ---- | 59488 | UNCH |
| MAR19 | | ---- | ---- | 30.07 | + | 0.13 | ---- | ---- | 48433 | UNCH |
| APR19 | | ---- | ---- | 24.83 | + | 0.12 | ---- | ---- | 43792 | UNCH |
| MAY19 | | ---- | ---- | 22.20 | + | 0.15 | ---- | ---- | 46648 | UNCH |
| JUN19 | | ---- | ---- | 22.23 | + | 0.10 | ---- | ---- | 29600 | UNCH |
| JUL19 | | ---- | ---- | 25.48 | + | 0.15 | ---- | ---- | 60368 | UNCH |
| AUG19 | | ---- | ---- | 23.07 | + | 0.13 | ---- | ---- | 60368 | UNCH |
| SEP19 | | ---- | ---- | 22.19 | + | 0.14 | ---- | ---- | 25600 | UNCH |
| OCT19 | | ---- | ---- | 22.26 | + | 0.04 | ---- | ---- | 24064 | UNCH |
| NOV19 | | ---- | ---- | 23.22 | + | 0.04 | ---- | ---- | 25664 | UNCH |
| DEC19 | | ---- | ---- | 26.86 | + | 0.04 | ---- | ---- | 26112 | UNCH |
| JAN20 | | ---- | ---- | 40.43 | + | 0.10 | ---- | ---- | 14896 | UNCH |
| FEB20 | | ---- | ---- | 37.77 | + | 0.10 | ---- | ---- | 14288 | UNCH |
| MAR20 | | ---- | ---- | 28.97 | + | 0.22 | ---- | ---- | 14858 | UNCH |
| APR20 | | ---- | ---- | 24.51 | + | 0.18 | ---- | ---- | 13984 | UNCH |
| MAY20 | | ---- | ---- | 21.40 | + | 0.16 | ---- | ---- | 16112 | UNCH |
| JUN20 | | ---- | ---- | 21.55 | + | 0.16 | ---- | ---- | 9200 | UNCH |
| JUL20 | | ---- | ---- | 24.40 | + | 0.06 | ---- | ---- | 9400 | UNCH |
| AUG20 | | ---- | ---- | 22.20 | + | 0.04 | ---- | ---- | 10200 | UNCH |
| SEP20 | | ---- | ---- | 21.45 | + | 0.16 | ---- | ---- | 9600 | UNCH |
| OCT20 | | ---- | ---- | 21.52 | + | 0.05 | ---- | ---- | 9800 | UNCH |
| NOV20 | | ---- | ---- | 22.07 | + | 0.05 | ---- | ---- | 10025 | UNCH |
| DEC20 | | ---- | ---- | 25.57 | + | 0.06 | ---- | ---- | 9800 | UNCH |
| JAN21 | | ---- | ---- | 37.96 | + | 0.10 | ---- | ---- | 8480 | UNCH |
| FEB21 | | ---- | ---- | 35.30 | + | 0.09 | ---- | ---- | 7040 | UNCH |
| MAR21 | | ---- | ---- | 28.44 | + | 0.07 | ---- | ---- | 7500 | UNCH |
| APR21 | | ---- | ---- | 23.89 | + | 0.07 | ---- | ---- | 7360 | UNCH |
| MAY21 | | ---- | ---- | 21.03 | + | 0.05 | ---- | ---- | 8480 | UNCH |
| JUN21 | | ---- | ---- | 21.23 | + | 0.05 | ---- | ---- | 7360 | UNCH |
| JUL21 | | ---- | ---- | 23.99 | + | 0.07 | ---- | ---- | 8160 | UNCH |
| AUG21 | | ---- | ---- | 21.83 | + | 0.06 | ---- | ---- | 7840 | UNCH |
| SEP21 | | ---- | ---- | 21.33 | + | 0.05 | ---- | ---- | 7680 | UNCH |
| OCT21 | | ---- | ---- | 21.38 | + | 0.05 | ---- | ---- | 8160 | UNCH |
| NOV21 | | ---- | ---- | 21.63 | + | 0.06 | ---- | ---- | 7700 | UNCH |
| DEC21 | | ---- | ---- | 24.99 | + | 0.07 | ---- | ---- | 7520 | UNCH |
| JAN22 | | ---- | ---- | 37.64 | + | 0.05 | ---- | ---- | 20400 | UNCH |
| FEB22 | | ---- | ---- | 35.05 | + | 0.05 | ---- | ---- | 17600 | UNCH |
| MAR22 | | ---- | ---- | 28.21 | + | 0.04 | ---- | ---- | 18750 | UNCH |
| APR22 | | ---- | ---- | 23.71 | + | 0.03 | ---- | ---- | 19200 | UNCH |
| MAY22 | | ---- | ---- | 20.87 | + | 0.03 | ---- | ---- | 20400 | UNCH |
| JUN22 | | ---- | ---- | 20.87 | + | 0.03 | ---- | ---- | 18400 | UNCH |
| JUL22 | | ---- | ---- | 23.76 | + | 0.03 | ---- | ---- | 21200 | UNCH |
| AUG22 | | ---- | ---- | 21.72 | + | 0.03 | ---- | ---- | 18800 | UNCH |
| SEP22 | | ---- | ---- | 21.17 | + | 0.03 | ---- | ---- | 19200 | UNCH |
| OCT22 | | ---- | ---- | 21.27 | + | 0.03 | ---- | ---- | 20400 | UNCH |
| NOV22 | | ---- | ---- | 21.52 | + | 0.03 | ---- | ---- | 19250 | UNCH |
| DEC22 | | ---- | ---- | 24.81 | + | 0.03 | ---- | ---- | 20400 | UNCH |
| TOTAL N9 FUT | | | | | | | | | 1453998 | |
| L1 FUT | PJM WESTH RT PEAK | | | | | | | | | |
| JUL18 | | ---- | ---- | 42.79 | + | 1.70 | ---- | ---- | 7875 | UNCH |
| AUG18 | | ---- | ---- | 38.33 | + | 0.67 | ---- | ---- | 8625 | UNCH |
| SEP18 | | ---- | ---- | 35.86 | + | 0.46 | ---- | ---- | 6859 | UNCH |
| OCT18 | | ---- | ---- | 34.33 | + | 0.26 | ---- | ---- | 6693 | UNCH |
| NOV18 | | ---- | ---- | 33.98 | + | 0.21 | ---- | ---- | 6111 | UNCH |
| DEC18 | | ---- | ---- | 37.00 | + | 0.22 | ---- | ---- | 5820 | UNCH |
| JAN19 | | ---- | ---- | 50.48 | + | 0.22 | ---- | ---- | 3564 | UNCH |
| FEB19 | | ---- | ---- | 46.20 | + | 0.24 | ---- | ---- | 3240 | UNCH |
| MAR19 | | ---- | ---- | 36.71 | + | 0.21 | ---- | ---- | 3570 | UNCH |
| APR19 | | ---- | ---- | 32.74 | + | 0.19 | ---- | ---- | 3740 | UNCH |
| MAY19 | | ---- | ---- | 32.88 | + | 0.06 | ---- | ---- | 3740 | UNCH |
| JUN19 | | ---- | ---- | 32.69 | + | 0.11 | ---- | ---- | 2980 | UNCH |
| JUL19 | | ---- | ---- | 38.81 | + | 0.23 | ---- | ---- | 3168 | UNCH |
| AUG19 | | ---- | ---- | 35.59 | + | 0.22 | ---- | ---- | 3168 | UNCH |
| SEP19 | | ---- | ---- | 32.94 | + | 0.26 | ---- | ---- | 3180 | UNCH |
| OCT19 | | ---- | ---- | 31.27 | + | 0.06 | ---- | ---- | 3427 | UNCH |
| NOV19 | | ---- | ---- | 31.02 | + | 0.01 | ---- | ---- | 2980 | UNCH |
| DEC19 | | ---- | ---- | 34.13 | + | 0.01 | ---- | ---- | 3129 | UNCH |
| JAN20 | | ---- | ---- | 47.88 | + | 0.08 | ---- | ---- | 792 | UNCH |
| FEB20 | | ---- | ---- | 45.12 | + | 0.12 | ---- | ---- | 720 | UNCH |
| MAR20 | | ---- | ---- | 36.77 | + | 0.25 | ---- | ---- | 792 | UNCH |
| APR20 | | ---- | ---- | 31.74 | + | 0.22 | ---- | ---- | 792 | UNCH |
| MAY20 | | ---- | ---- | 31.44 | + | 0.22 | ---- | ---- | 720 | UNCH |
| JUN20 | | ---- | ---- | 31.44 | + | 0.22 | ---- | ---- | 902 | UNCH |
| JUL20 | | ---- | ---- | 38.03 | + | 0.11 | ---- | ---- | 2162 | UNCH |
| AUG20 | | ---- | ---- | 34.67 | + | 0.09 | ---- | ---- | 1974 | UNCH |
| SEP20 | | ---- | ---- | 31.13 | + | 0.21 | ---- | ---- | 861 | UNCH |
| OCT20 | | ---- | ---- | 30.23 | + | 0.10 | ---- | ---- | 902 | UNCH |
| NOV20 | | ---- | ---- | 30.23 | + | 0.10 | ---- | ---- | 820 | UNCH |
| DEC20 | | ---- | ---- | 33.44 | + | 0.11 | ---- | ---- | 902 | UNCH |
| JAN21 | | ---- | ---- | 46.45 | + | 0.16 | ---- | ---- | 40 | UNCH |
| FEB21 | | ---- | ---- | 43.70 | + | 0.15 | ---- | ---- | 40 | UNCH |
| MAR21 | | ---- | ---- | 35.65 | + | 0.12 | ---- | ---- | 46 | UNCH |
| APR21 | | ---- | ---- | 30.95 | + | 0.11 | ---- | ---- | 44 | UNCH |
| MAY21 | | ---- | ---- | 30.85 | + | 0.11 | ---- | ---- | 40 | UNCH |
| JUN21 | | ---- | ---- | 31.05 | + | 0.11 | ---- | ---- | 44 | UNCH |
| JUL21 | | ---- | ---- | 36.95 | + | 0.13 | ---- | ---- | 42 | UNCH |
| AUG21 | | ---- | ---- | 33.85 | + | 0.12 | ---- | ---- | 44 | UNCH |
| SEP21 | | ---- | ---- | 30.65 | + | 0.10 | ---- | ---- | 42 | UNCH |
| OCT21 | | ---- | ---- | 29.00 | + | 0.10 | ---- | ---- | 42 | UNCH |

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# ENERGY FUTURES PRODUCTS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| L1 FUT | PJM WESTH RT PEAK | | | | | | | | |
| NOV21 | | ---- | ---- | 29.00 | + 0.10 | ---- | ---- | 42 | UNCH |
| DEC21 | | ---- | ---- | 32.30 | + 0.11 | ---- | ---- | 46 | UNCH |
| TOTAL L1 FUT | | | | | | | | 94720 | |
| J4 FUT | PJM WESTHDA PEAK | | | | | | | | |
| JUL18 | | ---- | ---- | 42.79 | + 1.70 | ---- | ---- | 987 | UNCH |
| AUG18 | | ---- | ---- | 38.33 | + 0.67 | ---- | ---- | 1081 | UNCH |
| SEP18 | | ---- | ---- | 35.86 | + 0.46 | ---- | ---- | 893 | UNCH |
| OCT18 | | ---- | ---- | 34.33 | + 0.26 | ---- | ---- | 1081 | UNCH |
| NOV18 | | ---- | ---- | 33.98 | + 0.21 | ---- | ---- | 987 | UNCH |
| DEC18 | | ---- | ---- | 37.00 | + 0.22 | ---- | ---- | 940 | UNCH |
| JAN19 | | ---- | ---- | 50.48 | + 0.22 | ---- | ---- | 704 | UNCH |
| FEB19 | | ---- | ---- | 46.20 | + 0.24 | ---- | ---- | 640 | UNCH |
| MAR19 | | ---- | ---- | 36.71 | + 0.21 | ---- | ---- | 672 | UNCH |
| APR19 | | ---- | ---- | 32.74 | + 0.19 | ---- | ---- | 704 | UNCH |
| MAY19 | | ---- | ---- | 32.88 | + 0.06 | ---- | ---- | 704 | UNCH |
| JUN19 | | ---- | ---- | 32.69 | + 0.11 | ---- | ---- | 640 | UNCH |
| JUL19 | | ---- | ---- | 38.81 | + 0.23 | ---- | ---- | 704 | UNCH |
| AUG19 | | ---- | ---- | 35.59 | + 0.22 | ---- | ---- | 704 | UNCH |
| SEP19 | | ---- | ---- | 32.94 | + 0.26 | ---- | ---- | 640 | UNCH |
| OCT19 | | ---- | ---- | 31.27 | + 0.06 | ---- | ---- | 736 | UNCH |
| NOV19 | | ---- | ---- | 31.02 | + 0.01 | ---- | ---- | 640 | UNCH |
| DEC19 | | ---- | ---- | 34.13 | + 0.01 | ---- | ---- | 672 | UNCH |
| JAN20 | | ---- | ---- | 47.88 | + 0.08 | ---- | ---- | 484 | UNCH |
| FEB20 | | ---- | ---- | 45.12 | + 0.12 | ---- | ---- | 440 | UNCH |
| MAR20 | | ---- | ---- | 36.77 | + 0.25 | ---- | ---- | 484 | UNCH |
| APR20 | | ---- | ---- | 31.74 | + 0.22 | ---- | ---- | 484 | UNCH |
| MAY20 | | ---- | ---- | 31.44 | + 0.22 | ---- | ---- | 440 | UNCH |
| JUN20 | | ---- | ---- | 31.44 | + 0.22 | ---- | ---- | 44 | UNCH |
| JUL20 | | ---- | ---- | 38.03 | + 0.11 | ---- | ---- | 46 | UNCH |
| AUG20 | | ---- | ---- | 34.67 | + 0.09 | ---- | ---- | 42 | UNCH |
| SEP20 | | ---- | ---- | 31.13 | + 0.21 | ---- | ---- | 42 | UNCH |
| OCT20 | | ---- | ---- | 30.23 | + 0.10 | ---- | ---- | 44 | UNCH |
| NOV20 | | ---- | ---- | 30.23 | + 0.10 | ---- | ---- | 40 | UNCH |
| DEC20 | | ---- | ---- | 33.44 | + 0.11 | ---- | ---- | 44 | UNCH |
| TOTAL J4 FUT | | | | | | | | 16763 | |

## COAL FUTURES PRODUCTS

| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| ALW FUT | AUSTRALIAN COKING (PLATTS) LOW VOL | | | | | | | | |
| JUN18 | | ---- | ---- | 198.65 | UNCH | ---- | ---- | 24 | UNCH |
| JUL18 | | ---- | ---- | 188.25 | UNCH | ---- | ---- | 24 | UNCH |
| AUG18 | | ---- | ---- | 188.00 | UNCH | ---- | ---- | 24 | UNCH |
| SEP18 | | ---- | ---- | 188.00 | UNCH | ---- | ---- | 24 | UNCH |
| OCT18 | | ---- | ---- | 187.50 | UNCH | ---- | ---- | 24 | UNCH |
| NOV18 | | ---- | ---- | 187.00 | UNCH | ---- | ---- | 24 | UNCH |
| DEC18 | | ---- | ---- | 186.50 | UNCH | ---- | ---- | 24 | UNCH |
| JAN19 | | ---- | ---- | 185.25 | UNCH | ---- | ---- | 4 | UNCH |
| FEB19 | | ---- | ---- | 185.25 | UNCH | ---- | ---- | 4 | UNCH |
| MAR19 | | ---- | ---- | 185.25 | UNCH | ---- | ---- | 4 | UNCH |
| APR19 | | ---- | ---- | 182.65 | UNCH | ---- | ---- | 4 | UNCH |
| MAY19 | | ---- | ---- | 182.65 | UNCH | ---- | ---- | 4 | UNCH |
| JUN19 | | ---- | ---- | 182.65 | UNCH | ---- | ---- | 4 | UNCH |
| JUL19 | | ---- | ---- | 179.90 | UNCH | ---- | ---- | 4 | UNCH |
| AUG19 | | ---- | ---- | 179.90 | UNCH | ---- | ---- | 4 | UNCH |
| SEP19 | | ---- | ---- | 179.90 | UNCH | ---- | ---- | 4 | UNCH |
| OCT19 | | ---- | ---- | 176.00 | UNCH | ---- | ---- | 4 | UNCH |
| NOV19 | | ---- | ---- | 176.00 | UNCH | ---- | ---- | 4 | UNCH |
| DEC19 | | ---- | ---- | 176.00 | UNCH | ---- | ---- | 4 | UNCH |
| TOTAL ALW FUT | | | | | | | | 216 | |
| ICIFUT | COAL (ICI4) INDONESIAN COAL INDEX | | | | | | | | |
| JUN18 | | ---- | ---- | 47.95 | - 0.05 | ---- | ---- | 50 | UNCH |
| JUL18 | | ---- | ---- | 47.85 | - 0.15 | ---- | 10 | 15 | + 10 |
| AUG18 | | ---- | ---- | 47.50 | UNCH | ---- | 5 | 10 | + 5 |
| SEP18 | | ---- | ---- | 47.15 | + 0.15 | ---- | 5 | 10 | + 5 |
| TOTAL ICIFUT | | | | | | | 20 | 85 | + 20 |
| MTF FUT | COAL API2 CIF ARA ARG-MCCLOSKY | | | | | | | | |
| JUN18 | | ---- | ---- | 96.00 | UNCH | ---- | ---- | 2572 | UNCH |
| JUL18 | | ---- | ---- | 96.85 | + 1.25 | ---- | 130 | 2266 | - 55 |
| AUG18 | | ---- | ---- | 96.35 | + 1.20 | ---- | 145 | 2725 | - 35 |
| SEP18 | | ---- | ---- | 95.75 | + 0.90 | ---- | 45 | 2514 | + 10 |
| OCT18 | | ---- | ---- | 95.30 | + 1.10 | ---- | 40 | 2657 | + 5 |
| NOV18 | | ---- | ---- | 94.85 | + 1.25 | ---- | 35 | 2654 | + 5 |
| DEC18 | | ---- | ---- | 93.75 | + 1.30 | ---- | 35 | 2694 | + 5 |
| JAN19 | | ---- | ---- | 92.70 | + 1.35 | ---- | 60 | 1772 | - 1 |
| FEB19 | | ---- | ---- | 91.65 | + 1.40 | ---- | 60 | 1744 | + 11 |
| MAR19 | | ---- | ---- | 90.50 | + 1.45 | ---- | 60 | 1744 | + 11 |
| APR19 | | ---- | ---- | 89.40 | + 1.55 | ---- | 30 | 1376 | + 5 |
| MAY19 | | ---- | ---- | 88.30 | + 1.65 | ---- | 30 | 1376 | + 5 |
| JUN19 | | ---- | ---- | 87.90 | + 1.60 | ---- | 30 | 1376 | + 5 |
| JUL19 | | ---- | ---- | 87.50 | + 1.60 | ---- | 45 | 1318 | + 3 |
| AUG19 | | ---- | ---- | 87.15 | + 1.60 | ---- | 45 | 1318 | + 3 |
| SEP19 | | ---- | ---- | 86.80 | + 1.60 | ---- | 45 | 1318 | + 3 |
| OCT19 | | ---- | ---- | 86.50 | + 1.70 | ---- | 40 | 1259 | + 12 |
| NOV19 | | ---- | ---- | 86.15 | + 1.70 | ---- | 40 | 1259 | + 12 |
| DEC19 | | ---- | ---- | 85.75 | + 1.70 | ---- | 40 | 1259 | + 12 |
| JAN20 | | ---- | ---- | 85.40 | + 1.75 | ---- | 1 | 347 | + 1 |
| FEB20 | | ---- | ---- | 85.00 | + 1.70 | ---- | 1 | 347 | + 1 |
| MAR20 | | ---- | ---- | 84.60 | + 1.70 | ---- | 1 | 347 | + 1 |
| APR20 | | ---- | ---- | 84.20 | + 1.65 | ---- | 1 | 347 | + 1 |
| MAY20 | | ---- | ---- | 83.85 | + 1.70 | ---- | 1 | 347 | + 1 |
| JUN20 | | ---- | ---- | 83.45 | + 1.65 | ---- | 1 | 347 | + 1 |
| JUL20 | | ---- | ---- | 83.20 | + 1.70 | ---- | 1 | 347 | + 1 |
| AUG20 | | ---- | ---- | 82.95 | + 1.70 | ---- | 1 | 347 | + 1 |
| SEP20 | | ---- | ---- | 82.70 | + 1.70 | ---- | 1 | 347 | + 1 |
| OCT20 | | ---- | ---- | 82.45 | + 1.70 | ---- | 1 | 347 | + 1 |
| NOV20 | | ---- | ---- | 82.25 | + 1.75 | ---- | 1 | 347 | + 1 |
| DEC20 | | ---- | ---- | 82.00 | + 1.80 | ---- | 1 | 347 | + 1 |
| JAN21 | | ---- | ---- | 81.75 | + 1.80 | ---- | ---- | 31 | UNCH |

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| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| MTF FUT | COAL API2 CIF ARA ARG-MCCLOSKY | | | | | | | |
| FEB21 | ---- | ---- | 81.50 | + 1.80 | ---- | ---- | 31 | UNCH |
| MAR21 | ---- | ---- | 81.25 | + 1.80 | ---- | ---- | 31 | UNCH |
| APR21 | ---- | ---- | 81.05 | + 1.85 | ---- | ---- | 31 | UNCH |
| MAY21 | ---- | ---- | 80.80 | + 1.85 | ---- | ---- | 31 | UNCH |
| JUN21 | ---- | ---- | 80.55 | + 1.85 | ---- | ---- | 31 | UNCH |
| JUL21 | ---- | ---- | 80.30 | + 1.80 | ---- | ---- | 31 | UNCH |
| AUG21 | ---- | ---- | 80.05 | + 1.80 | ---- | ---- | 31 | UNCH |
| SEP21 | ---- | ---- | 79.85 | + 1.80 | ---- | ---- | 31 | UNCH |
| OCT21 | ---- | ---- | 79.60 | + 1.80 | ---- | ---- | 31 | UNCH |
| NOV21 | ---- | ---- | 79.35 | + 1.75 | ---- | ---- | 31 | UNCH |
| DEC21 | ---- | ---- | 79.10 | + 1.70 | ---- | ---- | 31 | UNCH |
| TOTAL MTF FUT | | | | | | 967 | 39737 | + 28 |
| MFF FUT | COAL API4 RCH BAY ARGS MCCLOSKY SW | | | | | | | |
| JUN18 | ---- | ---- | 104.30 | UNCH | ---- | ---- | 663 | UNCH |
| JUL18 | ---- | ---- | 104.15 | + 1.35 | ---- | 10 | 761 | + 5 |
| AUG18 | ---- | ---- | 103.85 | + 1.35 | ---- | 55 | 521 | + 30 |
| SEP18 | ---- | ---- | 103.45 | + 1.55 | ---- | 5 | 371 | UNCH |
| OCT18 | ---- | ---- | 102.70 | + 1.35 | ---- | ---- | 359 | - 5 |
| NOV18 | ---- | ---- | 102.00 | + 1.20 | ---- | ---- | 419 | - 5 |
| DEC18 | ---- | ---- | 100.95 | + 1.30 | ---- | ---- | 359 | - 5 |
| JAN19 | ---- | ---- | 99.95 | + 1.45 | ---- | ---- | 129 | UNCH |
| FEB19 | ---- | ---- | 98.95 | + 1.60 | ---- | ---- | 129 | UNCH |
| MAR19 | ---- | ---- | 97.45 | + 1.55 | ---- | ---- | 129 | UNCH |
| APR19 | ---- | ---- | 96.00 | + 1.55 | ---- | ---- | 128 | UNCH |
| MAY19 | ---- | ---- | 94.55 | + 1.55 | ---- | ---- | 128 | UNCH |
| JUN19 | ---- | ---- | 93.95 | + 1.50 | ---- | ---- | 128 | UNCH |
| JUL19 | ---- | ---- | 93.35 | + 1.45 | ---- | ---- | 118 | UNCH |
| AUG19 | ---- | ---- | 92.80 | + 1.45 | ---- | ---- | 118 | UNCH |
| SEP19 | ---- | ---- | 92.45 | + 1.65 | ---- | ---- | 118 | UNCH |
| OCT19 | ---- | ---- | 92.10 | + 1.80 | ---- | ---- | 118 | UNCH |
| NOV19 | ---- | ---- | 91.75 | + 1.95 | ---- | ---- | 118 | UNCH |
| DEC19 | ---- | ---- | 91.45 | + 1.90 | ---- | ---- | 118 | UNCH |
| TOTAL MFF FUT | | | | | | 70 | 4932 | + 20 |
| ACM FUT | COAL API5 FOB NEWCASTLE ARG/MC FUT | | | | | | | |
| JUN18 | ---- | ---- | 79.00 | UNCH | ---- | ---- | 195 | UNCH |
| JUL18 | ---- | ---- | 79.00 | - 1.05 | ---- | 5 | 10 | UNCH |
| TOTAL ACM FUT | | | | | | 5 | 205 | |
| QX FUT | EASTERN RAIL DELIVERY CSX COAL | | | | | | | |
| JUL18 | ---- | ---- | 60.79 | UNCH | ---- | ---- | 25 | UNCH |
| AUG18 | ---- | ---- | 61.50 | + 0.20 | ---- | ---- | 25 | UNCH |
| SEP18 | ---- | ---- | 61.55 | + 0.25 | ---- | ---- | 25 | UNCH |
| OCT18 | ---- | ---- | 61.45 | + 0.20 | ---- | ---- | 35 | UNCH |
| NOV18 | ---- | ---- | 61.45 | + 0.20 | ---- | ---- | 35 | UNCH |
| DEC18 | ---- | ---- | 61.45 | + 0.20 | ---- | ---- | 35 | UNCH |
| TOTAL QX FUT | | | | | | | 180 | |
| QP FUT | WESTERN RAIL DELIVERY PRB COAL | | | | | | | |
| JUL18 | ---- | ---- | 12.51 | UNCH | ---- | ---- | 115 | UNCH |
| AUG18 | ---- | ---- | 12.45 | UNCH | ---- | ---- | 115 | UNCH |
| SEP18 | ---- | ---- | 12.40 | UNCH | ---- | ---- | 115 | UNCH |
| OCT18 | ---- | ---- | 12.35 | UNCH | ---- | ---- | 20 | UNCH |
| NOV18 | ---- | ---- | 12.35 | UNCH | ---- | ---- | 20 | UNCH |
| DEC18 | ---- | ---- | 12.35 | UNCH | ---- | ---- | 20 | UNCH |
| TOTAL QP FUT | | | | | | | 405 | |

## FREIGHT FUTURES PRODUCTS

| | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|
| FLP FUT | FREIGHT ROUTE LIQUID PETROLEUM GAS | | | | | | | |
| JUN18 | ---- | ---- | 30.287 | + 0.076 | ---- | ---- | 95 | UNCH |
| JUL18 | ---- | ---- | 32.500 | + 0.500 | ---- | ---- | 91 | UNCH |
| AUG18 | ---- | ---- | 34.500 | + 0.500 | ---- | ---- | 91 | UNCH |
| SEP18 | ---- | ---- | 34.500 | + 0.500 | ---- | ---- | 91 | UNCH |
| OCT18 | ---- | ---- | 34.500 | + 0.500 | ---- | ---- | 92 | UNCH |
| NOV18 | ---- | ---- | 34.500 | + 0.500 | ---- | ---- | 92 | UNCH |
| DEC18 | ---- | ---- | 34.500 | + 0.500 | ---- | ---- | 92 | UNCH |
| TOTAL FLP FUT | | | | | | | 644 | |
| FRC FUT | FREIGHT ROUTE TC14 (BALTIC) FUTURES | | | | | | | |
| JUN18 | ---- | ---- | 11.3351 | + 0.0591 | ---- | ---- | 25 | UNCH |
| JUL18 | ---- | ---- | 15.0870 | + 0.3370 | ---- | ---- | 50 | UNCH |
| AUG18 | ---- | ---- | 15.4480 | + 0.2080 | ---- | ---- | 50 | UNCH |
| SEP18 | ---- | ---- | 15.7400 | UNCH | ---- | ---- | 50 | UNCH |
| OCT18 | ---- | ---- | 15.4980 | + 0.1930 | ---- | ---- | 55 | UNCH |
| NOV18 | ---- | ---- | 16.7630 | UNCH | ---- | ---- | 55 | UNCH |
| DEC18 | ---- | ---- | 19.2700 | - 0.1930 | ---- | ---- | 55 | UNCH |
| TOTAL FRC FUT | | | | | | | 340 | |
| TC6 FUT | FREIGHT ROUTE TC6 (BALTIC) | | | | | | | |
| JUN18 | ---- | ---- | 7.1399 | - 0.0004 | ---- | ---- | 60 | UNCH |
| TOTAL TC6 FUT | | | | | | | 60 | |
| T2D FUT | FREIGHT ROUTE TD20 (BALTIC) FUTURES | | | | | | | |
| JUN18 | ---- | ---- | 8.6568 | - 0.0101 | ---- | ---- | 39 | UNCH |
| JUL18 | ---- | ---- | 8.3700 | + 0.0660 | ---- | ---- | 134 | UNCH |
| AUG18 | ---- | ---- | 7.8550 | + 0.0200 | ---- | ---- | 124 | UNCH |
| SEP18 | ---- | ---- | 7.7080 | + 0.0100 | ---- | ---- | 124 | UNCH |
| OCT18 | ---- | ---- | 8.6800 | + 0.0820 | ---- | ---- | 39 | UNCH |
| NOV18 | ---- | ---- | 9.1180 | + 0.0810 | ---- | ---- | 39 | UNCH |
| DEC18 | ---- | ---- | 9.7510 | + 0.0830 | ---- | ---- | 39 | UNCH |
| JAN19 | ---- | ---- | 8.9160 | + 0.0220 | ---- | ---- | 40 | UNCH |
| FEB19 | ---- | ---- | 8.9160 | + 0.0220 | ---- | ---- | 40 | UNCH |
| MAR19 | ---- | ---- | 8.9160 | + 0.0220 | ---- | ---- | 40 | UNCH |
| APR19 | ---- | ---- | 8.7890 | + 0.0210 | ---- | ---- | 40 | UNCH |
| MAY19 | ---- | ---- | 8.7890 | + 0.0210 | ---- | ---- | 40 | UNCH |
| JUN19 | ---- | ---- | 8.7890 | + 0.0210 | ---- | ---- | 40 | UNCH |
| JUL19 | ---- | ---- | 8.5260 | + 0.0210 | ---- | ---- | 40 | UNCH |
| AUG19 | ---- | ---- | 8.5260 | + 0.0210 | ---- | ---- | 40 | UNCH |
| SEP19 | ---- | ---- | 8.5260 | + 0.0210 | ---- | ---- | 40 | UNCH |

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**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| T2D FUT | FREIGHT ROUTE TD20 (BALTIC) FUTURES | | | | | | | | |
| OCT19 | | ---- | ---- | 10.4490 | + 0.0320 | ---- | ---- | 40 | UNCH |
| NOV19 | | ---- | ---- | 10.4490 | + 0.0320 | ---- | ---- | 40 | UNCH |
| DEC19 | | ---- | ---- | 10.4490 | + 0.0320 | ---- | ---- | 40 | UNCH |
| JAN20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| FEB20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| MAR20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| APR20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| MAY20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| JUN20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| JUL20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| AUG20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| SEP20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| OCT20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| NOV20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| DEC20 | | ---- | ---- | 11.5290 | + 0.1340 | ---- | ---- | 20 | UNCH |
| TOTAL | T2D FUT | | | | | | | 1258 | |
| TM FUT | TC2 ROTTERDAM TO USAC 37K MT | | | | | | | | |
| JUN18 | | ---- | ---- | 12.8701 | - 0.0141 | ---- | ---- | 67 | UNCH |
| JUL18 | | ---- | ---- | 13.6400 | - 0.1200 | ---- | ---- | 20 | UNCH |
| AUG18 | | ---- | ---- | 15.0340 | - 0.0260 | ---- | ---- | 20 | UNCH |
| SEP18 | | ---- | ---- | 15.4040 | UNCH | ---- | ---- | 20 | UNCH |
| OCT18 | | ---- | ---- | 16.2710 | UNCH | ---- | ---- | 30 | UNCH |
| NOV18 | | ---- | ---- | 16.6210 | UNCH | ---- | ---- | 30 | UNCH |
| DEC18 | | ---- | ---- | 16.9110 | UNCH | ---- | ---- | 30 | UNCH |
| JAN19 | | ---- | ---- | 17.7330 | UNCH | ---- | ---- | 10 | UNCH |
| FEB19 | | ---- | ---- | 17.7330 | UNCH | ---- | ---- | 10 | UNCH |
| MAR19 | | ---- | ---- | 17.7330 | UNCH | ---- | ---- | 10 | UNCH |
| TOTAL | TM FUT | | | | | | | 247 | |
| TH FUT | TC5 RAS TANURA TO YOKOHAMA 55K MT | | | | | | | | |
| JUN18 | | ---- | ---- | 20.3162 | - 0.0261 | ---- | ---- | 25 | UNCH |
| TOTAL | TH FUT | | | | | | | 25 | |
| TL FUT | TD3 MEG TO JAPAN 250K MT | | | | | | | | |
| JUN18 | | ---- | ---- | 8.0524 | - 0.0168 | ---- | ---- | 139 | UNCH |
| JUL18 | | ---- | ---- | 7.7140 | - 0.1470 | ---- | ---- | 60 | UNCH |
| AUG18 | | ---- | ---- | 7.2160 | + 0.0780 | ---- | ---- | 45 | UNCH |
| SEP18 | | ---- | ---- | 7.4140 | + 0.0280 | ---- | ---- | 75 | UNCH |
| OCT18 | | ---- | ---- | 8.1910 | UNCH | ---- | ---- | 30 | UNCH |
| NOV18 | | ---- | ---- | 8.6570 | UNCH | ---- | ---- | 30 | UNCH |
| DEC18 | | ---- | ---- | 10.2810 | + 0.0690 | ---- | ---- | 30 | UNCH |
| JAN19 | | ---- | ---- | 8.7760 | + 0.0450 | ---- | 20 | 125 | UNCH |
| FEB19 | | ---- | ---- | 8.7760 | + 0.0450 | ---- | 20 | 125 | UNCH |
| MAR19 | | ---- | ---- | 8.7760 | + 0.0450 | ---- | 20 | 125 | UNCH |
| APR19 | | ---- | ---- | 8.4290 | - 0.0260 | ---- | 20 | 170 | UNCH |
| MAY19 | | ---- | ---- | 8.4290 | - 0.0260 | ---- | 20 | 170 | UNCH |
| JUN19 | | ---- | ---- | 8.4290 | - 0.0260 | ---- | 20 | 170 | UNCH |
| JUL19 | | ---- | ---- | 8.2330 | UNCH | ---- | 20 | 135 | + 20 |
| AUG19 | | ---- | ---- | 8.2330 | UNCH | ---- | 20 | 135 | + 20 |
| SEP19 | | ---- | ---- | 8.2330 | UNCH | ---- | 20 | 135 | + 20 |
| OCT19 | | ---- | ---- | 10.3620 | - 0.0190 | ---- | 20 | 240 | UNCH |
| NOV19 | | ---- | ---- | 10.3620 | - 0.0190 | ---- | 20 | 240 | UNCH |
| DEC19 | | ---- | ---- | 10.3620 | - 0.0190 | ---- | 20 | 240 | UNCH |
| JAN20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| FEB20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| MAR20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| APR20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| MAY20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| JUN20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| JUL20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| AUG20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| SEP20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| OCT20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| NOV20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| DEC20 | | ---- | ---- | 11.0790 | + 0.1120 | ---- | ---- | 5 | UNCH |
| TOTAL | TL FUT | | | | | | 240 | 2479 | + 60 |

## PLASTICS FUTURES PRODUCTS

| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| PGP FUT | PGP POLYMER GRD PROPYLENE CAL | | | | | | | | |
| JUN18 | | ---- | ---- | 0.57750 | -0.00036 | ---- | ---- | 60 | UNCH |
| JUL18 | | ---- | ---- | 0.55000 | -0.00250 | ---- | ---- | 127 | UNCH |
| AUG18 | | ---- | ---- | 0.54500 | -0.00250 | ---- | ---- | 102 | UNCH |
| SEP18 | | ---- | ---- | 0.54750 | -0.00250 | ---- | ---- | 102 | UNCH |
| OCT18 | | ---- | ---- | 0.53750 | -0.00250 | ---- | ---- | 120 | UNCH |
| NOV18 | | ---- | ---- | 0.52625 | -0.00250 | ---- | ---- | 90 | UNCH |
| DEC18 | | ---- | ---- | 0.51625 | -0.00250 | ---- | ---- | 91 | UNCH |
| APR19 | | ---- | ---- | 0.52500 | -0.00250 | ---- | ---- | 10 | UNCH |
| MAY19 | | ---- | ---- | 0.52250 | -0.00250 | ---- | ---- | 10 | UNCH |
| JUN19 | | ---- | ---- | 0.52000 | -0.00250 | ---- | ---- | 10 | UNCH |
| TOTAL | PGP FUT | | | | | | | 722 | |

## EMISSIONS FUTURES PRODUCTS

| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| 6T FUT | NYMEX IN DELIVRY MTH EUA (EURO) FUT | | | | | | | | |
| DEC18 | | ---- | ---- | 15.26 | + 0.23 | ---- | ---- | 3698 | UNCH |
| TOTAL | 6T FUT | | | | | | | 3698 | |

## CORE EX-PIT BREAKDOWN

| DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|

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| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NYMEX CRUDE OIL (PHYSICAL) | | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 6495 | 377 | 12763 |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 2011 | --- | 5319 |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 4265 | 141 | 806 |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 765 | 141 | 433 |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 3625 | --- | 1007 |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 608 | --- | 6 |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 1614 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 2208 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 1308 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 1077 | --- | --- |
| DEC20 | --- | --- | --- | --- | --- | --- | --- | --- | 111 | --- | --- |
| DEC21 | --- | --- | --- | --- | --- | --- | --- | --- | 56 | --- | --- |
| Total | | | | | | | | | 24143 | 659 | 20334 |
| NYMEX HEATING OIL (PHYSICAL) | | | | | | | | | | | |
| JUL18 | --- | --- | 2896 | --- | --- | --- | --- | --- | 704 | --- | 3454 |
| AUG18 | --- | --- | 995 | --- | --- | --- | --- | --- | 1754 | 88 | 5067 |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 1259 | --- | 897 |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 908 | --- | 135 |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21 |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 726 | --- | 15 |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| Total | | | 3891 | | | | | | 5576 | 88 | 9589 |
| NYMEX NY HARBOR GAS (RBOB) (PHY) | | | | | | | | | | | |
| JUL18 | --- | --- | 5377 | --- | --- | --- | --- | --- | 466 | 869 | 7370 |
| AUG18 | --- | --- | 315 | --- | --- | --- | --- | --- | 1479 | --- | 5942 |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 734 | --- | 1063 |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 712 | --- | 298 |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 5 |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 512 | --- | 85 |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 400 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 400 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 58 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 58 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 58 | --- | --- |
| Total | | | 5692 | | | | | | 4877 | 869 | 14763 |
| NATURAL GAS HENRY HUB (PHYSICAL) | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 1118 | --- | --- |
| AUG18 | --- | --- | 430 | --- | --- | --- | --- | --- | 2500 | 973 | 5231 |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 564 | --- | 839 |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 969 |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 2500 | --- | 496 |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 323 |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | 779 |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 200 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| Total | | | 430 | | | | | | 7982 | 973 | 8637 |
| NYMEX BRENT OIL LAST DAY FUTURES | | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 762 | --- | 278 |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 380 | --- | 277 |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 102 | --- | 867 |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 216 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 300 | --- | --- |
| Total | | | | | | | | | 1760 | | 1422 |
| EUROPEAN GASOIL ICE FUTURE | | | | | | | | | | | |
| E-MINI CRUDE OIL FUTURES | | | | | | | | | | | |
| E-MINI HEATING OIL FUTURES | | | | | | | | | | | |
| E-MINI GASOLINE FUTURES | | | | | | | | | | | |
| E-MINI NATURAL GAS | | | | | | | | | | | |

## CRUDE OIL EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ARGUS LLS VS. WTI (ARG) TRD M | | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 280 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 385 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 220 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 170 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 170 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| | | | | | | | | | 1705 | | |
| ARGUS SOUR CRUDE NDX VS WTI DIF CAL | | | | | | | | | | | |
| BRENT CALENDAR | | | | | | | | | | | |
| CANADIAN HEAVY CRUDE(NET ENRGY) FUT | | | | | | | | | | | |
| CANADIAN LIGHT SWEET OIL | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DUBAI CRUDE OIL CALENDAR | | | | | | | | | | |
| EUROPE DATED BRENT | | | | | | | | | | |
| GULF COAST SOUR CRUDE OIL FUTURES | | | | | | | | | | |
| ICE BRENT DUBAI | | | | | | | | | | |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 350 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 350 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 350 | --- | --- |
| | | | | | | | | 1050 | | |
| LIGHT SWEET OIL NET ENERGY MONTHLY | | | | | | | | | | |
| LLS (ARGUS) VS WTI | | | | | | | | | | |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| | | | | | | | | 510 | | |
| LOOP CRUDE OIL STORAGE FUTURES | | | | | | | | | | |
| MARS (ARGUS) VS WTI | | | | | | | | | | |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| | | | | | | | | 300 | | |
| MARS (ARGUS) VS WTI TRD MTH | | | | | | | | | | |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| | | | | | | | | 330 | | |
| NYMEX BRENT FINANCIAL FUTURES | | | | | | | | | | |
| URALS MED VS DATED BRENT FUTURE | | | | | | | | | | |
| URALS NORTH VS MED DATED STRIP FUT | | | | | | | | | | |
| WEST TEXAS INTER CRUDE OIL CAL | | | | | | | | | | |
| JUN18 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 768 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 633 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 4 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 89 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 85 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 89 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 57 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 57 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 57 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 74 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 74 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 74 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 94 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 94 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 94 | --- | --- |
| | | | | | | | | 2373 | | |
| WESTERN CANADIAN SELECT OIL MONTHLY | | | | | | | | | | |
| WTI BALMO | | | | | | | | | | |
| WTI FINANCIAL FUTURES | | | | | | | | | | |
| WTI HOUSTON ARGUS V.WTI TRADE MONTH | | | | | | | | | | |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 250 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 375 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 775 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 775 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 775 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 80 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 80 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 80 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 80 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 80 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 80 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| | | | | | | | | 3550 | | |
| WTI MIDLAND (ARG) VS. WTI TRADE MTH | | | | | | | | | | |
| JAN20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| FEB20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAR20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| APR20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAY20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| JUN20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| JUL20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| AUG20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| SEP20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| OCT20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| NOV20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| DEC20 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| | | | | | | | | 600 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 150 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 1065 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 150 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 200 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 200 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 200 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 70 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| JUL20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| AUG20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| SEP20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| OCT20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| NOV20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| DEC20 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| | | | | | | | | | 2655 | | |

WTS (ARGUS) VS WTI TRD MTH

## NATURAL GAS EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ANR OKLAHOMA | | | | | | | | | | | |
| CENTERPOINT BASIS | | | | | | | | | | | |
| CIG BASIS | | | | | | | | | | | |
| COLUMB GULF MAINLINE NG BASIS | | | | | | | | | | | |
| DOMINION TRAN INC - APP INDEX | | | | | | | | | | | |
| DOMINION TRANSMISSION INC -APPALAC | | | | | | | | | | | |
| DUTCH TTF NATURAL GAS CAL MONTH FUT | | | | | | | | | | | |
| DUTCH TTF NATURAL GAS FRONT MTH FUT | | | | | | | | | | | |
| HENRY HUB | | | | | | | | | | | |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 189 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 171 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 189 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 270 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 276 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 270 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 276 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 276 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 270 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 276 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 240 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 248 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 341 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 319 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 341 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 270 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 279 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 390 | --- | --- |
| JUL20 | --- | --- | --- | --- | --- | --- | --- | --- | 279 | --- | --- |
| AUG20 | --- | --- | --- | --- | --- | --- | --- | --- | 279 | --- | --- |
| SEP20 | --- | --- | --- | --- | --- | --- | --- | --- | 270 | --- | --- |
| OCT20 | --- | --- | --- | --- | --- | --- | --- | --- | 279 | --- | --- |
| NOV20 | --- | --- | --- | --- | --- | --- | --- | --- | 270 | --- | --- |
| DEC20 | --- | --- | --- | --- | --- | --- | --- | --- | 279 | --- | --- |
| JAN21 | --- | --- | --- | --- | --- | --- | --- | --- | 124 | --- | --- |
| FEB21 | --- | --- | --- | --- | --- | --- | --- | --- | 112 | --- | --- |
| MAR21 | --- | --- | --- | --- | --- | --- | --- | --- | 124 | --- | --- |
| APR21 | --- | --- | --- | --- | --- | --- | --- | --- | 120 | --- | --- |
| MAY21 | --- | --- | --- | --- | --- | --- | --- | --- | 124 | --- | --- |
| JUN21 | --- | --- | --- | --- | --- | --- | --- | --- | 120 | --- | --- |
| JUL21 | --- | --- | --- | --- | --- | --- | --- | --- | 124 | --- | --- |
| AUG21 | --- | --- | --- | --- | --- | --- | --- | --- | 124 | --- | --- |
| SEP21 | --- | --- | --- | --- | --- | --- | --- | --- | 120 | --- | --- |
| OCT21 | --- | --- | --- | --- | --- | --- | --- | --- | 124 | --- | --- |
| NOV21 | --- | --- | --- | --- | --- | --- | --- | --- | 120 | --- | --- |
| DEC21 | --- | --- | --- | --- | --- | --- | --- | --- | 124 | --- | --- |
| | | | | | | | | | 8013 | | |
| HENRY HUB BASIS | | | | | | | | | | | |
| HENRY HUB INDEX FUTURE | | | | | | | | | | | |
| HENRY HUB NG LAST DAY FINANCIAL | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 1010 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | 1500 | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 80 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 26 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 97 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 26 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 402 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 280 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 182 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 176 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 130 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 137 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 278 | --- | --- |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 122 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 9 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 6 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 9 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| | | | | | | | | | 3224 | 1500 | |

HENRY HUB PENULTIMATE FUT

HOUSTON SHIP CHANNEL BASIS

LNG JAPAN KOREA MARKER PLATTS

MICHIGAN BASIS

NGPL MID-CONTINENT

NGPL TEX /OK

NORTHEN NATURAL GAS DEMARCATION

NORTHEN NATURAL GAS VENTURA IOWA

NORTHWEST ROCKIES BASIS FUTURE

NYMEX NATURAL GAS FUTURES

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 383 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 28 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 211 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 152 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| JUL20 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| AUG20 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| SEP20 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| OCT20 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| | | | | | | | | | 1935 | | |

ONEOK OKLAHOMA NG BASIS

PANHANDLE BASIS FUTURE

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SOUTH STAR TEX OKLHM KNS NG B

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TETCO STX BASIS

TEXAS EASTERN ZONE M-3 BASIS

TEXAS GAS ZONE1 NG BASIS

TRANSCO ZONE 3 BASIS

TRANSCO ZONE 6 BASIS

TRANSCO ZONE 6 NON NY BASIS

TRANSCO ZONE4 BASIS

UK NBP NAT GAS CAL MTH FUT

UK NBP NATURAL GAS FRONT MTH FUT

WAHA BASIS

## PETROLEUM EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1% FUEL OIL (PLT) CARG CIF MED | | | | | | | | | | | |
| 1% FUEL OIL (PLT) CARG CIF NWE | | | | | | | | | | | |
| 1.0% FUEL OIL (PLATTS) FOB NWE | | | | | | | | | | | |
| 3.5% FUEL OIL (PLATTS) FOB RDA | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 18 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 23 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 32 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 32 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 32 | --- | --- |
| | | | | | | | | | 140 | | |
| 3.5% FUEL OIL CID MED | | | | | | | | | | | |
| 3.5% FUEL OIL RDAM VS FOB MED BALM | | | | | | | | | | | |
| ARGUS GASOLINE NWE CRACK SPR | | | | | | | | | | | |
| CHICAGO ULSD PL VS HO SPR | | | | | | | | | | | |
| CHICAGO UNL GAS PL VS RBOB SPR | | | | | | | | | | | |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| | | | | | | | | | 25 | | |
| E/W NAPHTHA JAPAN CF-CARGOS CIF NWE | | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 29 | | |
| EAST/WEST FUEL OIL SPREAD | | | | | | | | | | |
| EAST-WST GASOLINE SPREAD PLATTS/ARG | | | | | | | | | | |
| EIA FLAT TAX ONHWAY DIESEL | | | | | | | | | | |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| JAN20 --- | --- | --- | --- | --- | --- | --- | --- | 31 | --- | --- |
| | | | | | | | | 76 | | |
| EIA FLAT TAX US RETAIL GASOLINE | | | | | | | | | | |
| EUR1%FUEL OIL FOB MED-EUR1% FOB NWE | | | | | | | | | | |
| EURO 1% FUEL OIL NEW BALMO | | | | | | | | | | |
| EURO 3.5% FUEL OIL RDAM BALMO | | | | | | | | | | |
| EURO 3.5% FUEL OIL SPREAD | | | | | | | | | | |
| EURO DIESEL 10PPM VS ICE | | | | | | | | | | |
| EURO PPNE CIFARG VS NAPHTHA NWE SW | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 34 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 11 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 9 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 9 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 9 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| | | | | | | | | 118 | | |
| EUROP NAPHTHA PLATTS CRCK SPR BALMO | | | | | | | | | | |
| EUROPE 1% FUEL OIL NWE CAL | | | | | | | | | | |
| EUROPE 1% FUEL OIL RDAM CAL | | | | | | | | | | |
| EUROPE 3.5% FUEL OIL MED CAL | | | | | | | | | | |
| EUROPE 3.5% FUEL OIL RDAM CAL | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 245 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 245 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 85 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| | | | | | | | | 690 | | |
| EUROPE JET KERO NWE CAL | | | | | | | | | | |
| EUROPE NAPHTHA CAL | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 68 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 47 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 7 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| | | | | | | | | 185 | | |
| EUROPEAN NAPHTHA BALMO | | | | | | | | | | |
| EUROPEAN NAPTHA CRACK SPREAD | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 36 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 83 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 83 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 83 | --- | --- |
| | | | | | | | | 390 | | |
| FUEL OIL CARGOES VS.BARGES | | | | | | | | | | |
| FUEL OIL CRACK VS ICE | | | | | | | | | | |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| | | | | | | | | 36 | | |
| FUEL OIL NWE CRACK VS ICE | | | | | | | | | | |
| G. COAST #6 FUEL OIL 3.0% VS BRENT | | | | | | | | | | |
| GAS EUROBOB (ARGUS) BALMO | | | | | | | | | | |
| GAS EURO-BOB OXY (ARG) CRACK | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 133 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 200 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 42 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 42 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 42 | --- | --- |

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| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 7 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 7 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 7 | --- | --- |
| | | | | | | | | | 622 | | |
| GASOIL (ICE) CRACK SPREAD | | | | | | | | | | | |
| GASOIL 0.1 RDAM BRGS VS ICE | | | | | | | | | | | |
| GASOIL 0.1 ROTTERDAM BARGES SW | | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| | | | | | | | | | 30 | | |
| GASOIL 0.1CIF MED VS ICE GAS | | | | | | | | | | | |
| GASOIL 10PPM VS ICE | | | | | | | | | | | |
| GASOIL CALENDAR | | | | | | | | | | | |
| GASOIL CRACK SPREAD CALENDAR | | | | | | | | | | | |
| GASOIL MINI CALENDAR | | | | | | | | | | | |
| GROUP THREE ULSD (PLATTS) | | | | | | | | | | | |
| GROUP THREE UNLEAD GAS (PLTS) | | | | | | | | | | | |
| GRP THREE ULSD(PLT)VS HEAT OIL | | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| | | | | | | | | | 75 | | |
| GRP THREE UNL GS (PLT) VS RBOB | | | | | | | | | | | |
| GULF CBOB A2 PL VS RBOB SPR F | | | | | | | | | | | |
| GULF CO NO6 FUELOIL 3% V. EURO 3.5% | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 476 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 1419 | --- | --- |
| | | | | | | | | | 1895 | | |
| GULF COAST 3% FUEL OIL BALMO | | | | | | | | | | | |
| GULF COAST HSFO (PLATTS) FUTURES | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 674 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 873 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 225 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 189 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 89 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 189 | --- | --- |
| | | | | | | | | | 2239 | | |
| GULF COAST JET FUEL CLNDR | | | | | | | | | | | |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 29 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 29 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 29 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 29 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 29 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 29 | --- | --- |
| | | | | | | | | | 174 | | |
| GULF COAST JET VS NYM 2 HO SPRD | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 350 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 65 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 65 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 65 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| | | | | | | | | | 725 | | |
| GULF COAST NO.6 FUEL OIL CRACK | | | | | | | | | | | |
| GULF COAST ULSD CALENDAR | | | | | | | | | | | |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 37 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| | | | | | | | | | 82 | | |
| GULF COAST ULSD CRACK SPREAD | | | | | | | | | | | |
| GULF CST NO6 FO 3% V EURO 3.5 BALMO | | | | | | | | | | | |
| GULF CST UNL 87 GAS M2 V. RBOB BLMO | | | | | | | | | | | |
| GULF UNL87 GAS M2 PLATTS F | | | | | | | | | | | |
| GULF UNL87 M2 PL CRACK SPRD F | | | | | | | | | | | |
| GULF UNL87 M2 PL VS RBOB SPR F | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 700 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 650 | --- | --- |
| | | | | | | | | | 1350 | | |
| HEATING OIL BALMO CLNDR | | | | | | | | | | | |
| HEATING OIL VS. BRENT CRACK SPREAD | | | | | | | | | | | |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| | | | | | | | | | 240 | | |
| JAPAN C&F NAPHTHA | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 65 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| | | | | | | | | | 125 | | |
| JAPAN C&F NAPHTHA CRACK SPREAD | | | | | | | | | | | |
| JAPAN NAPHTHA BALMO | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| MIN EURO NPHTHA CIF NWE | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 163 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 113 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| | | | | | | | | | 296 | | |
| MIN GSL .1 PLTS CRGS CIFNWE VS GSL | | | | | | | | | | | |
| MIN JAPAN C&F NAPHTHA PLATTS | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 136 | --- | --- |
| | | | | | | | | | 136 | | |
| MIN JETKERO CRGOS CIF NWE VS GASOIL | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| | | | | | | | | | 20 | | |
| MIN SPORE FUELOIL380CST(PLTS) BALMO | | | | | | | | | | | |
| MIN ULSD 10PPM CRGS CIF NWE VS GSL | | | | | | | | | | | |
| MINI 1% FUEL OIL CAR MED | | | | | | | | | | | |
| MINI 3.5% FUEL OIL CAR MED | | | | | | | | | | | |
| MINI ARGUS PROPANE FAR EAST IDX | | | | | | | | | | | |
| MINI EU 1%FO BARGE FOB RDAM FUT | | | | | | | | | | | |
| MINI EU 1%FO CARGO FOB NWE FUT | | | | | | | | | | | |
| MINI EU 3.5%FO BARGE FOB RDAM BALMO | | | | | | | | | | | |
| MINI EU 3.5%FO BARGE FOB RDAM FUT | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| | | | | | | | | | 50 | | |
| MINI EUR DIESEL10PPM VS ICE GS | | | | | | | | | | | |
| MINI EURO NAPHTHA BALMO | | | | | | | | | | | |
| MINI GAS EUROBOB OXY BARGES | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 150 | --- | --- |
| | | | | | | | | | 150 | | |
| MINI GAS EUROBOB OXY NWE ARGS BALMO | | | | | | | | | | | |
| MINI JAPAN NAPHTHA BALMO FUT | | | | | | | | | | | |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| | | | | | | | | | 30 | | |
| MINI RBOB V. EBOBARG NWE BRGS BALMO | | | | | | | | | | | |
| MINI SINGAPORE 380CST FUEL OIL | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 113 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 99 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 11 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 6 | --- | --- |
| | | | | | | | | | 252 | | |
| MINI SINGAPORE FO 180 CST BALMO FUT | | | | | | | | | | | |
| MINI SINGAPORE FO 180 CST FUT | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 11 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| | | | | | | | | | 21 | | |
| MINI SINGAPORE GASOIL PLATS FUT | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| | | | | | | | | | 10 | | |
| MOGAS92 UNLEADED (PLATTS) | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 600 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| | | | | | | | | | 750 | | |
| MOGAS92 UNLEADED (PLTS) BLM SW | | | | | | | | | | | |
| MT BELV LDH PROPN VS EUR CIF ARA SW | | | | | | | | | | | |
| MT BELVIEU LDH ISO-BUTANE(OPIS) | | | | | | | | | | | |
| NAPHTHA (PLATTS) NWE CRACK | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| | | | | | | | | | 87 | | |
| NAPHTHA (PLATTS) NWE CRACK BALMO SW | | | | | | | | | | | |
| NO 2 UP-DOWN SPREAD CALENDAR | | | | | | | | | | | |
| NWE EUR FUEL OIL HGHLOW SULF BALMO | | | | | | | | | | | |
| NY 3% FUEL OIL V GULF COAST NO6 3% | | | | | | | | | | | |
| NY 3.0% FUEL OIL (PLATTS) | | | | | | | | | | | |
| NY BUCKEYE JET FUEL V. NY HR BALMO | | | | | | | | | | | |
| NY BUCKEYE JET FUEL VS NY HARB ULSD | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| | | | | | | | | | 25 | | |
| NY HARBOR LOW SULPUR GAS 1000MBBL | | | | | | | | | | | |
| NY HARBOR RESIDUAL FUEL 1.0% S | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 45 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| | | | | | | | | | 65 | | |
| NY ULSD(ARGUS) VS HO SPREAD | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| PREMIUM UNLEAD 10PPM FOB BLMO | | | | | | | | | | | |
| RBOB CALENDAR FUTURE | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 604 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 55 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| | | | | | | | | | 759 | | |
| RBOB CRACK SPREAD | | | | | | | | | | | |
| RBOB GAS VS EUROBOB(ARGUS) NWE BRGS | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 68 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 55 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| | | | | | | | | | 128 | | |
| RBOB GAS VS. BRENT CRCK SPRD | | | | | | | | | | | |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 155 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| | | | | | | | | | 255 | | |
| RBOB GASOLINE BALMO CLNDR | | | | | | | | | | | |
| RBOB VS HEATING OIL | | | | | | | | | | | |
| SG VISCOSITY SPREAD BALMO | | | | | | | | | | | |
| SING 380 FUEL OIL VS FUEL OIL ROTDM | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 115 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| | | | | | | | | | 125 | | |
| SING 380CST VS 3.5 FUEL ROTDM BALMO | | | | | | | | | | | |
| SINGAPORE 180CST BALMO | | | | | | | | | | | |
| SINGAPORE 380CST BALMO | | | | | | | | | | | |
| SINGAPORE 380CST FUEL OIL | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 33 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 23 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| | | | | | | | | | 201 | | |
| SINGAPORE FUEL 180CST CAL | | | | | | | | | | | |
| SINGAPORE FUEL OIL SPREAD | | | | | | | | | | | |
| SINGAPORE GASOIL | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 65 | --- | --- |
| | | | | | | | | | 65 | | |
| SINGAPORE GASOIL BALMO | | | | | | | | | | | |
| SINGAPORE GASOIL VS ICE | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 250 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 175 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 175 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 175 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| | | | | | | | | | 1050 | | |
| SINGAPORE JET KERO BALMO | | | | | | | | | | | |
| SINGAPORE JET KERO GASOIL | | | | | | | | | | | |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 175 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 175 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 175 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| | | | | | | | | | 750 | | |
| SINGAPORE JET KEROSENE | | | | | | | | | | | |
| SINGAPORE MOGAS 95 | | | | | | | | | | | |
| SINGAPORE MOGAS95-SINGAPORE MOGAS92 | | | | | | | | | | | |
| SINGPORE GASOIL 10PPM V GSOLSPD FUT | | | | | | | | | | | |
| SPORE FUEL OIL 180CST 6.35 CK | | | | | | | | | | | |
| SPORE FUEL OIL 180CST 6.35 DUBAI CK | | | | | | | | | | | |
| SPORE MOGAS92 UNLD BRENT SPRD | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| | | | | | | | | | 50 | | |
| ULSD 10PPM CIF MED VS ICE GAS | | | | | | | | | | | |
| ULSD UP-DOWN BALMO | | | | | | | | | | | |
| UP DOWN GC ULSD VS NMX HO SPRD | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| | | | | | | | | | 145 | | |

## NGL PETROCHEM EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ARGS FAR E NDX VS EUR CIF ARA | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |

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| DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 11 | | |
| CONWAY NORMAL BUTANE | | | | | | | | | | |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 32 | --- | --- |
| | | | | | | | | 47 | | |
| CONWAY PROPANE (OPIS) BALMO | | | | | | | | | | |
| CONWAY PROPANE 5 DEC. | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 315 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 277 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 83 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 133 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 172 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 164 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 89 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 73 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 19 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 17 | --- | --- |
| | | | | | | | | 1521 | | |
| EUR PROPANE CIF ARA ARGUS BALMO | | | | | | | | | | |
| EURO PROPANE CIF ARA | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 14 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 23 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- |
| | | | | | | | | 160 | | |
| MINI EURO PROPANE CIF ARA ARGUS FUT | | | | | | | | | | |
| MT BELIVIEU ETHANE BALMO | | | | | | | | | | |
| MT BELIVIEU LDH PROPANE BALMO | | | | | | | | | | |
| MT BELIVIEU NAT GASOLINE BALMO | | | | | | | | | | |
| MT BELIVIEU NORMAL BUTANE BALM | | | | | | | | | | |
| MT BELVIEU ETHANE 5-DCML (OPIS) | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 195 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 90 | --- | --- |
| SEP18 --- | --- | --- | --- | --- | --- | --- | --- | 90 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 55 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 85 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 55 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| APR19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| MAY19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| JUN19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| JUL19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| AUG19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| SEP19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| OCT19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| NOV19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| DEC19 --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| | | | | | | | | 930 | | |
| MT BELVIEU ETHYLENE (PCW) FINCL | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| | | | | | | | | 20 | | |
| MT BELVIEU ETHYLENE IN-WELL (PCW) | | | | | | | | | | |
| MT BELVIEU ISO BUTANE 5 DEC. S | | | | | | | | | | |
| JAN20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| FEB20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| MAR20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| APR20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| MAY20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| JUN20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| JUL20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| AUG20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| SEP20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| OCT20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| NOV20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| DEC20 --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| | | | | | | | | 36 | | |
| MT BELVIEU NAT GAS 5-DCML (OPIS) | | | | | | | | | | |
| JUL18 --- | --- | --- | --- | --- | --- | --- | --- | 250 | --- | --- |
| AUG18 --- | --- | --- | --- | --- | --- | --- | --- | 55 | --- | --- |
| OCT18 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| NOV18 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| DEC18 --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| JAN19 --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| FEB19 --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| MAR19 --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 125 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 32 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 25 | --- | --- |
| | | | | | | | | | 637 | | |
| MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 840 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 65 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 465 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 385 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 780 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 118 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 73 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| JUL20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| AUG20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| SEP20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| OCT20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| NOV20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| DEC20 | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- |
| | | | | | | | | | 3005 | | |
| MT BELVIEU PROPANE 5-DCML (OPIS) | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 852 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 1739 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 582 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 465 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 435 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 475 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 289 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 349 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 344 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 254 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 254 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 254 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 184 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 184 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 184 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 184 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 184 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 184 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| | | | | | | | | | 7696 | | |
| PROPANE NON LDH MT BELVIEU | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 75 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 50 | --- | --- |
| | | | | | | | | | 1155 | | |
| PROPANE NON LDH MT BLV BALMO | | | | | | | | | | | |

## ETHANOL EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CHICAGO ETHANOL | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 2311 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 1283 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 1342 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 375 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 252 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 570 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 42 | --- | --- |
| | | | | | | | | | 6175 | | |
| ETHANOL(PL) T2 FOB RTRDM INCL | | | | | | | | | | | |

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| DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 10 | | |
| METHANOL T2 FOB RDAM (ICIS) FUTURES | | | | | | | | | | |
| NEW YORK ETHANOL | | | | | | | | | | |

## ELECTRICITY EX-PIT BREAKDOWN

| DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| AEP-DAYTON HUB DAILY | | | | | | | | | | |
| CIN HUB 5MW D AH O PK | | | | | | | | | | |
| CIN HUB 5MW D AH PK | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 84 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 46 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 190 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 230 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 210 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 120 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 126 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 42 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 44 | --- | --- |
| | | | | | | | | | 1604 | | |
| CIN HUB 5MW REAL TIME O PK | | | | | | | | | | |
| CIN HUB 5MW REAL TIME PK | | | | | | | | | | |
| CINERGY HUB OFF-PEAK MONTH | | | | | | | | | | |
| CINERGY HUB PEAK MONTH | | | | | | | | | | |
| ERCOT HSTN Z MCPE 5 MW PEAK SW | | | | | | | | | | |
| ERCOT NRTH Z MCPE 5 MW OFFPK S | | | | | | | | | | |
| ERCOT NRTH Z MCPE 5 MW PEAK SW | | | | | | | | | | |
| ERCOT NRTH Z MCPE5 OFFPK CLN D | | | | | | | | | | |
| ERCOT NRTH Z MCPE5 PEAK CLND D | | | | | | | | | | |
| GERMAN POWER BASELOAD CAL MONTH FUT | | | | | | | | | | |
| ISO NEW ENG MASS HUB DA OP DAILY | | | | | | | | | | |
| MIDWEST ISO MICHIGAN HUB 5MW PEAK C | | | | | | | | | | |
| MISO INDIANA HUB 5MW OFPK CALDAY DA | | | | | | | | | | |
| MISO INDIANA HUB 5MW OFPK CALDAY RT | | | | | | | | | | |
| MISO INDIANA HUB 5MW PK CAL DAYHD | | | | | | | | | | |
| MISO INDIANA HUB 5MW PK CAL-DAY RT | | | | | | | | | | |
| MISO MICHIGAN HUB OF-PK DA MONTHLY | | | | | | | | | | |
| N ILLINOIS HUB DAILY | | | | | | | | | | |
| NEPOOL INTR HUB 5MW D AH O PK | | | | | | | | | | |
| NEPOOL INTR HUB 5MW D AH PK | | | | | | | | | | |
| NEPOOL NE MASS 5MW D AH O PK | | | | | | | | | | |
| NEPOOL NE MASS 5MW D AH PK | | | | | | | | | | |
| NEW ENGLAND HUB PEAK DAILY | | | | | | | | | | |
| NEW YORK HUB ZONE G PEAK DAILY | | | | | | | | | | |
| NEW YORK HUB ZONE J PEAK DAILY | | | | | | | | | | |
| NYISO LOW HUD VAL CAP FUT | | | | | | | | | | |
| NYISO NYC IN-CITY CAPACITY CAL MO | | | | | | | | | | |
| NYISO REST OF STATE CAPACITY CAL MO | | | | | | | | | | |
| NYISO ZONE A 5MW D AH O PK | | | | | | | | | | |
| NYISO ZONE A 5MW D AH PK | | | | | | | | | | |
| NYISO ZONE A DA OP DAILY | | | | | | | | | | |
| NYISO ZONE A LBMP FUTURE | | | | | | | | | | |
| NYISO ZONE F 5MW DAY AHEAD OFF-PEAK | | | | | | | | | | |
| NYISO ZONE F 5MW DAY AHEAD PEAK | | | | | | | | | | |
| NYISO ZONE G 5MW D AH O PK | | | | | | | | | | |
| NYISO ZONE G 5MW D AH PK | | | | | | | | | | |
| NYISO ZONE G DA OP DAILY | | | | | | | | | | |
| NYISO ZONE J 5MW D AH O PK | | | | | | | | | | |
| NYISO ZONE J 5MW D AH PK | | | | | | | | | | |
| NYISO ZONE J DA OP DAILY | | | | | | | | | | |
| PJM AD HUB 5MW REAL TIME O PK | | | | | | | | | | |
| PJM AD HUB 5MW REAL TIME PK | | | | | | | | | | |
| PJM AEP DAYTON HUB DA OP DAILY | | | | | | | | | | |
| PJM AEP DAYTON HUB DA PEAK DAILY | | | | | | | | | | |
| PJM AEP DAYTON HUB RT OP DAILY | | | | | | | | | | |
| PJM BGE DA OFF-PEAK | | | | | | | | | | |
| PJM BGE DA PEAK | | | | | | | | | | |
| PJM COMED 5MW D AH O PK | | | | | | | | | | |
| PJM COMED 5MW D AH PK | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| PJM DAYTON DA PEAK | | | | | | | | | | | |
| PJM METED ZONE OFFPK CAL LMP | | | | | | | | | | | |
| PJM METED ZONE PEAK CAL LMP | | | | | | | | | | | |
| PJM MONTHLY | | | | | | | | | | | |
| PJM NI HUB 5MW REAL TIME O PK | | | | | | | | | | | |
| PJM NI HUB 5MW REAL TIME PK | | | | | | | | | | | |
| PJM NILL DA OFF-PEAK | | | | | | | | | | | |
| PJM NILL DA PEAK | | | | | | | | | | | |
| PJM NORTERN ILL HUB DA OP DAILY | | | | | | | | | | | |
| PJM NORTERN ILL HUB DA PEAK DAILY | | | | | | | | | | | |
| PJM NORTERN ILL HUB RT OP DAILY | | | | | | | | | | | |
| PJM OFF-PEAK LMP FUTURE | | | | | | | | | | | |
| PJM PSEG DA OFF-PEAK | | | | | | | | | | | |
| PJM WESTERN HUB DA OP DAILY FUT | | | | | | | | | | | |
| PJM WESTERN HUB DA PEAK DAILY | | | | | | | | | | | |
| PJM WESTERN HUB RT OP DAILY | | | | | | | | | | | |
| PJM WESTH DA OFF-PEAK | | | | | | | | | | | |
| PJM WESTH RT OFF-PEAK | | | | | | | | | | | |
| PJM WESTH RT PEAK | | | | | | | | | | | |
| PJM WESTHDA PEAK | | | | | | | | | | | |

## COAL EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUSTRALIAN COKING (PLATTS) LOW VOL | | | | | | | | | | | |
| COAL (ICI4) INDONESIAN COAL INDEX | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| | | | | | | | | | 20 | | |
| COAL API2 CIF ARA ARG-MCCLOSKY | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 130 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 145 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 45 | --- | --- |
| OCT18 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| NOV18 | --- | --- | --- | --- | --- | --- | --- | --- | 35 | --- | --- |
| DEC18 | --- | --- | --- | --- | --- | --- | --- | --- | 35 | --- | --- |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 60 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| JUN19 | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- |
| JUL19 | --- | --- | --- | --- | --- | --- | --- | --- | 45 | --- | --- |
| AUG19 | --- | --- | --- | --- | --- | --- | --- | --- | 45 | --- | --- |
| SEP19 | --- | --- | --- | --- | --- | --- | --- | --- | 45 | --- | --- |
| OCT19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| NOV19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 40 | --- | --- |
| JAN20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| FEB20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| MAR20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| APR20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| MAY20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| JUN20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| JUL20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| AUG20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| SEP20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| OCT20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| NOV20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| DEC20 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| | | | | | | | | | 967 | | |
| COAL API4 RCH BAY ARGS MCCLOSKY SW | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- |
| AUG18 | --- | --- | --- | --- | --- | --- | --- | --- | 55 | --- | --- |
| SEP18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| | | | | | | | | | 70 | | |
| COAL API5 FOB NEWCASTLE ARG/MC FUT | | | | | | | | | | | |
| JUL18 | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| | | | | | | | | | 5 | | |
| EASTERN RAIL DELIVERY CSX COAL | | | | | | | | | | | |
| WESTERN RAIL DELIVERY PRB COAL | | | | | | | | | | | |

## FREIGHT EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FREIGHT ROUTE LIQUID PETROLEUM GAS | | | | | | | | | | | |
| FREIGHT ROUTE TC14 (BALTIC) FUTURES | | | | | | | | | | | |
| FREIGHT ROUTE TC6 (BALTIC) | | | | | | | | | | | |
| FREIGHT ROUTE TD20 (BALTIC) FUTURES | | | | | | | | | | | |
| TC2 ROTTERDAM TO USAC 37K MT | | | | | | | | | | | |
| TC5 RAS TANURA TO YOKOHAMA 55K MT | | | | | | | | | | | |
| TD3 MEG TO JAPAN 250K MT | | | | | | | | | | | |
| JAN19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| FEB19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| MAR19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| APR19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| MAY19 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |

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| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC19 | --- | --- | --- | --- | --- | --- | --- | --- | 20<br>120 | --- | --- |

## PLASTICS EX-PIT BREAKDOWN

| | DELIVERY------- CASH OR PHY SETTLED | MONTH-TO-DATE | EFP DAILY TOTALS | EFS DAILY TOTALS | SUBS DAILY TOTALS | EFM DAILY TOTALS | EFR DAILY TOTALS | EFB DAILY TOTALS | BLOCKS DAILY TOTAL | BLOCK TAS DAILY TOTAL | TAS DAILY TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PGP POLYMER GRD PROPYLENE CAL | | | | | | | | | | | |

## TRADE AT MARKER PRODUCTS

| | | | VOLUME | BLOCK VOL | MARKER PRICE |
|---|---|---|---|---|---|
| BZL | BZL | BRENT CRUDE TAM LONDON | | | |
| AUG18 | | | ---- | ---- | 76.49 |
| SEP18 | | | ---- | ---- | 76.31 |
| OCT18 | | | ---- | ---- | 76.00 |
| TOTAL | BRENT CRUDE TAM LONDON | | ---- | ---- | |
| BZS | BZS | BRENT CRUDE TAM SINGAPORE | | | |
| AUG18 | | | ---- | ---- | 76.49 |
| SEP18 | | | ---- | ---- | 76.31 |
| OCT18 | | | ---- | ---- | 76.00 |
| TOTAL | BRENT CRUDE TAM SINGAPORE | | ---- | ---- | |
| CLL | CLL | CRUDE OIL TRADE AT MARKER LONDON | | | |
| AUG18 | | | ---- | ---- | 70.64 |
| SEP18 | | | ---- | ---- | 69.36 |
| OCT18 | | | ---- | ---- | 68.24 |
| TOTAL | CRUDE OIL TRADE AT MARKER LONDON | | ---- | ---- | |
| CLS | CLS | CRUDE OIL TRADE AT MARKER SINGAPORE | | | |
| AUG18 | | | ---- | ---- | 70.64 |
| SEP18 | | | ---- | ---- | 69.36 |
| OCT18 | | | ---- | ---- | 68.24 |
| TOTAL | CRUDE OIL TRADE AT MARKER SINGAPORE | | ---- | ---- | |
| HOL | HOL | HEATING OIL TAM AT LONDON | | | |
| JUL18 | | | ---- | ---- | 2.1762 |
| AUG18 | | | ---- | ---- | 2.1794 |
| SEP18 | | | ---- | ---- | 2.1852 |
| TOTAL | HEATING OIL TAM AT LONDON | | ---- | ---- | |
| RBL | RBL | RBOB GASOLINE TAM LONDON | | | |
| JUL18 | | | ---- | ---- | 2.1302 |
| AUG18 | | | ---- | ---- | 2.1096 |
| SEP18 | | | ---- | ---- | 2.0903 |
| TOTAL | RBOB GASOLINE TAM LONDON | | ---- | ---- | |

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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

## FUTURES PRODUCTS

| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| AEP FUT | ALUMINIUM EURO PREM METAL BULLETIN | | | | | | | | |
| JUN18 | | ---- | ---- | 103.57 - | 1.91 | ---- | ---- | 1907 | UNCH |
| JUL18 | | ---- | ---- | 95.00 | UNCH | ---- | ---- | 1469 | UNCH |
| AUG18 | | ---- | ---- | 95.00 | UNCH | ---- | ---- | 1377 | UNCH |
| SEP18 | | ---- | ---- | 95.00 | UNCH | ---- | ---- | 1227 | UNCH |
| OCT18 | | ---- | ---- | 95.00 | UNCH | ---- | ---- | 1177 | UNCH |
| NOV18 | | ---- | ---- | 95.00 | UNCH | ---- | ---- | 1187 | UNCH |
| DEC18 | | ---- | ---- | 95.00 | UNCH | ---- | ---- | 1247 | UNCH |
| JAN19 | | ---- | ---- | 100.00 | UNCH | ---- | ---- | 475 | UNCH |
| FEB19 | | ---- | ---- | 100.00 | UNCH | ---- | ---- | 475 | UNCH |
| MAR19 | | ---- | ---- | 100.00 | UNCH | ---- | ---- | 475 | UNCH |
| APR19 | | ---- | ---- | 100.00 | UNCH | ---- | ---- | 455 | UNCH |
| MAY19 | | ---- | ---- | 100.00 | UNCH | ---- | ---- | 455 | UNCH |
| JUN19 | | ---- | ---- | 100.00 | UNCH | ---- | ---- | 455 | UNCH |
| JUL19 | | ---- | ---- | 105.00 | UNCH | ---- | ---- | 325 | UNCH |
| AUG19 | | ---- | ---- | 105.00 | UNCH | ---- | ---- | 325 | UNCH |
| SEP19 | | ---- | ---- | 105.00 | UNCH | ---- | ---- | 325 | UNCH |
| OCT19 | | ---- | ---- | 105.00 | UNCH | ---- | ---- | 325 | UNCH |
| NOV19 | | ---- | ---- | 105.00 | UNCH | ---- | ---- | 325 | UNCH |
| DEC19 | | ---- | ---- | 105.00 | UNCH | ---- | ---- | 325 | UNCH |
| TOTAL AEP FUT | | | | | | 0 | | 14331 | |
| ALA FUT | ALUMINA FOB S&P GLOBAL PLATTS FUT | | | | | | | | |
| JUN18 | | ---- | ---- | 451.60 | UNCH | ---- | ---- | 315 | UNCH |
| JUL18 | | ---- | ---- | 416.00 | UNCH | ---- | ---- | 430 | UNCH |
| AUG18 | | ---- | ---- | 416.00 | UNCH | ---- | ---- | 405 | UNCH |
| SEP18 | | ---- | ---- | 416.00 | UNCH | ---- | ---- | 405 | UNCH |
| OCT18 | | ---- | ---- | 416.00 | UNCH | ---- | ---- | 405 | UNCH |
| NOV18 | | ---- | ---- | 416.00 | UNCH | ---- | ---- | 405 | UNCH |
| DEC18 | | ---- | ---- | 416.00 | UNCH | ---- | ---- | 405 | UNCH |
| TOTAL ALA FUT | | | | | | 0 | | 2770 | |
| AUP FUT | ALUMINUM MW TRANS PREM PLATTS SWAPS | | | | | | | | |
| JUN18 | | ---- | ---- | 0.21690 | -0.00143 | ---- | ---- | 2975 | UNCH |
| JUL18 | | 0.20400 | 0.20400 /0.20000 | 0.20000 | -0.00500 | 45 | 100 | 3691 | - 75 |
| AUG18 | | 0.20000 | 0.20200 /0.19750 | 0.20200 | +0.00200 | 27 | 100 | 3128 | - 73 |
| SEP18 | | ---- | ---- | 0.19800 | -0.00200 | ---- | 100 | 3115 | - 100 |
| OCT18 | | ---- | ---- | 0.19750 | UNCH | ---- | 134 | 3022 | + 17 |
| NOV18 | | 0.19450 | 0.19450 /0.19450 | 0.19750 | UNCH | 10 | 135 | 2675 | + 32 |
| DEC18 | | ---- | ---- | 0.19750 | UNCH | ---- | 134 | 2296 | + 16 |
| JAN19 | | ---- | 0.19000B | 0.18850 | UNCH | ---- | ---- | 1287 | UNCH |
| FEB19 | | ---- | ---- | 0.18850 | UNCH | ---- | ---- | 1242 | UNCH |
| MAR19 | | ---- | 0.18875B | 0.18850 | UNCH | ---- | ---- | 1199 | UNCH |
| APR19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 974 | UNCH |
| MAY19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 968 | UNCH |
| JUN19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 973 | UNCH |
| JUL19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 587 | UNCH |
| AUG19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 580 | UNCH |
| SEP19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 583 | UNCH |
| OCT19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 580 | UNCH |
| NOV19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 567 | UNCH |
| DEC19 | | ---- | ---- | 0.18500 | UNCH | ---- | ---- | 565 | UNCH |
| JAN20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 90 | UNCH |
| FEB20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 90 | UNCH |
| MAR20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 90 | UNCH |
| APR20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 110 | UNCH |
| MAY20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 110 | UNCH |
| JUN20 | | ---- | 0.18500B | 0.18000 | UNCH | ---- | ---- | 110 | UNCH |
| JUL20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 50 | UNCH |
| AUG20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 50 | UNCH |
| SEP20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 50 | UNCH |
| OCT20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 30 | UNCH |
| NOV20 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 30 | UNCH |
| DEC20 | | ---- | 0.18750B | 0.18000 | UNCH | ---- | ---- | 30 | UNCH |
| JAN21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| FEB21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| MAR21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| APR21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| MAY21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| JUN21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| JUL21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| AUG21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| SEP21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| OCT21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| NOV21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| DEC21 | | ---- | ---- | 0.18000 | UNCH | ---- | ---- | 10 | UNCH |
| TOTAL AUP FUT | | | | | | 82 | 703 | 31967 | - 183 |
| CUP FUT | COPPER PREMIUM GRADE A CIF SHANGHAI | | | | | | | | |
| JUN18 | | ---- | ---- | 73.00 | UNCH | ---- | ---- | 20 | UNCH |
| JUL18 | | ---- | ---- | 74.00 | UNCH | ---- | ---- | 20 | UNCH |
| AUG18 | | ---- | ---- | 75.00 | UNCH | ---- | ---- | 20 | UNCH |
| SEP18 | | ---- | ---- | 78.00 | UNCH | ---- | ---- | 20 | UNCH |
| TOTAL CUP FUT | | | | | | 0 | | 80 | |
| EDP FUT | ALUMINIUM EURO PREM DUTY-PAID FUT | | | | | | | | |
| JUN18 | | ---- | ---- | 180.31 | UNCH | ---- | ---- | 1035 | UNCH |
| JUL18 | | ---- | 177.00A | 177.00 - | 3.00 | ---- | 40 | 1030 | + 40 |
| AUG18 | | ---- | 177.00A | 177.00 - | 3.00 | ---- | 40 | 1030 | + 40 |
| SEP18 | | ---- | 175.00A | 177.00 - | 3.00 | ---- | 40 | 1020 | + 40 |
| OCT18 | | ---- | ---- | 180.00 | UNCH | ---- | 20 | 850 | + 20 |
| NOV18 | | ---- | ---- | 180.00 | UNCH | ---- | 20 | 800 | + 20 |
| DEC18 | | ---- | ---- | 180.00 | UNCH | ---- | 20 | 800 | + 20 |
| JAN19 | | ---- | ---- | 180.00 | UNCH | ---- | ---- | 295 | UNCH |
| FEB19 | | ---- | ---- | 180.00 | UNCH | ---- | ---- | 295 | UNCH |
| MAR19 | | ---- | ---- | 180.00 | UNCH | ---- | ---- | 295 | UNCH |
| APR19 | | ---- | ---- | 180.00 | UNCH | ---- | ---- | 295 | UNCH |

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| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| EDP FUT | ALUMINIUM EURO PREM DUTY-PAID FUT | | | | | | |
| MAY19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| JUN19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| JUL19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| AUG19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| SEP19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| OCT19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| NOV19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| DEC19 | | ---- | ---- | 180.00 UNCH | ---- | ---- | 295 UNCH |
| TOTAL | EDP FUT | | | | 0 | 180 | 10105 + 180 |
| GC FUT | COMEX GOLD FUTURES | | | | | | |
| JUN18 | | 1255.50 | 1255.50 /1252.30 | 1252.80 - 3.80 | 11 | ---- | 42 - 40 |
| JUL18 | | 1258.20 | 1259.00 /1249.50 | 1253.00 - 5.00 | 1162 | ---- | 420 - 461 |
| AUG18 | | 1260.50 | 1261.90 /1252.20 | 1256.10 - 3.80 | 250541 | 6359 | 321160 + 294 |
| OCT18 | | 1265.90 | 1267.40 /1258.20 | 1261.90 - 3.70 | 3812 | 101 | 14575 + 498 |
| DEC18 | | 1271.30 | 1273.80 /1264.20 | 1268.00 - 3.80 | 6711 | 113 | 101511 + 1037 |
| FEB19 | | 1276.50 | 1277.90 /1271.80 | 1274.10 - 3.80 | 912 | 26 | 16375 + 297 |
| APR19 | | 1284.60 | 1285.60 /1277.60 | 1280.20 - 3.80 | 327 | ---- | 5007 + 5 |
| JUN19 | | ---- | ---- | 1286.50 - 3.90 | 36 | 43 | 4314 + 51 |
| AUG19 | | 1293.70 | 1293.70 /1289.40 | 1292.70 - 3.90 | 38 | ---- | 934 + 12 |
| OCT19 | | ---- | ---- | 1299.20 - 3.80 | ---- | ---- | 199 UNCH |
| DEC19 | | 1307.80 | 1307.80 /1304.50 | 1305.70 - 3.90 | 32 | 4 | 4101 - 3 |
| FEB20 | | ---- | ---- | 1312.30 - 3.90 | ---- | ---- | 1 UNCH |
| JUN20 | | ---- | ---- | 1325.70 - 3.90 | ---- | ---- | 360 UNCH |
| DEC20 | | ---- | ---- | 1345.50 - 4.50 | ---- | ---- | 846 UNCH |
| JUN21 | | ---- | ---- | 1365.70 - 4.50 | ---- | ---- | 179 UNCH |
| DEC21 | | ---- | ---- | 1385.80 - 4.50 | ---- | ---- | 200 UNCH |
| JUN22 | | ---- | ---- | 1405.70 - 5.00 | ---- | ---- | 5 UNCH |
| DEC22 | | 1430.00 | 1430.00 /1430.00 | 1425.30 - 5.80 | 49 | ---- | 75 + 49 |
| JUN23 | | ---- | ---- | 1444.90 - 5.90 | ---- | ---- | 5 UNCH |
| DEC23 | | ---- | ---- | 1464.60 - 5.90 | ---- | ---- | 3 UNCH |
| TOTAL | GC FUT | | | | 263631 | 6646 | 470312 + 1739 |
| HG FUT | COMEX COPPER FUTURES | | | | | | |
| JUN18 | | 2.9645 | 2.9955 /2.9645 | 2.9895 - 0.0075 | 250 | 1 | 171 - 638 |
| JUL18 | | 2.9955 | 3.0045 /2.9605 | 2.9845 - 0.0075 | 55648 | 120 | 13356 - 6730 |
| AUG18 | | 3.0100 | 3.0160 /2.9750 | 2.9975 - 0.0075 | 2190 | 45 | 5916 + 63 |
| SEP18 | | 3.0200 | 3.0270 /2.9845 | 3.0075 - 0.0080 | 85196 | 702 | 136449 + 4455 |
| OCT18 | | 3.0100 | 3.0300 /3.0005 | 3.0150 - 0.0090 | 963 | ---- | 2603 - 233 |
| NOV18 | | 3.0100 | 3.0230 /3.0100 | 3.0235 - 0.0090 | 99 | ---- | 1886 + 10 |
| DEC18 | | 3.0400 | 3.0485 /3.0080A | 3.0300 - 0.0085 | 9711 | 564 | 62042 + 833 |
| JAN19 | | 3.0540 | 3.0565B/3.0260A | 3.0385 - 0.0085 | 38 | ---- | 1723 + 10 |
| FEB19 | | 3.0300 | 3.0645B/3.0300 | 3.0470 - 0.0080 | 32 | ---- | 873 + 14 |
| MAR19 | | 3.0400 | 3.0690B/3.0315 | 3.0520 - 0.0085 | 2193 | 13 | 24155 + 85 |
| APR19 | | 3.0755 | 3.0775B/3.0435A | 3.0595 - 0.0085 | 31 | ---- | 418 + 16 |
| MAY19 | | 3.0470 | 3.0825B/3.0430 | 3.0635 - 0.0085 | 407 | ---- | 7586 + 206 |
| JUN19 | | ---- | 3.0880B/3.0605A | 3.0710 - 0.0075 | 2 | ---- | 378 + 2 |
| JUL19 | | 3.0735 | 3.0735 /3.0735 | 3.0750 - 0.0080 | 16 | ---- | 3332 UNCH |
| AUG19 | | ---- | 3.0975B/3.0665A | 3.0820 - 0.0080 | ---- | ---- | 349 UNCH |
| SEP19 | | 3.0835 | 3.1030B/3.0650 | 3.0860 - 0.0080 | 19 | ---- | 2025 + 6 |
| OCT19 | | ---- | 3.1075B/3.0765A | 3.0925 - 0.0080 | ---- | ---- | 349 UNCH |
| NOV19 | | ---- | 3.1095B/3.0810A | 3.0945 - 0.0080 | ---- | ---- | 363 UNCH |
| DEC19 | | 3.0940 | 3.0955B/3.0800 | 3.0960 - 0.0080 | 11 | ---- | 2335 UNCH |
| JAN20 | | ---- | ---- | 3.0990 - 0.0080 | ---- | ---- | 149 UNCH |
| MAR20 | | ---- | ---- | 3.1045 - 0.0075 | ---- | ---- | 316 UNCH |
| MAY20 | | ---- | ---- | 3.1130 - 0.0075 | ---- | ---- | 38 UNCH |
| MAR21 | | ---- | ---- | 3.1185 - 0.0075 | ---- | ---- | 1 UNCH |
| TOTAL | HG FUT | | | | 156806 | 1445 | 266813 - 1901 |
| HGS FUT | COMEX COPPER SWAP FUTURES | | | | | | |
| JUN18 | | ---- | ---- | 3.1202 - 0.0011 | ---- | ---- | 1081 UNCH |
| JUL18 | | ---- | ---- | 2.9857 - 0.0075 | ---- | ---- | 1068 UNCH |
| AUG18 | | ---- | ---- | 2.9984 - 0.0075 | ---- | ---- | 1059 UNCH |
| SEP18 | | ---- | ---- | 3.0083 - 0.0081 | ---- | ---- | 1000 UNCH |
| OCT18 | | ---- | ---- | 3.0157 - 0.0090 | ---- | ---- | 993 UNCH |
| NOV18 | | ---- | ---- | 3.0241 - 0.0090 | ---- | ---- | 973 UNCH |
| DEC18 | | ---- | ---- | 3.0309 - 0.0085 | ---- | ---- | 995 UNCH |
| JAN19 | | ---- | ---- | 3.0393 - 0.0085 | ---- | ---- | 944 UNCH |
| FEB19 | | ---- | ---- | 3.0475 - 0.0081 | ---- | ---- | 442 UNCH |
| MAR19 | | ---- | ---- | 3.0527 - 0.0085 | ---- | ---- | 442 UNCH |
| APR19 | | ---- | ---- | 3.0599 - 0.0085 | ---- | ---- | 442 UNCH |
| MAY19 | | ---- | ---- | 3.0642 - 0.0084 | ---- | ---- | 442 UNCH |
| JUN19 | | ---- | ---- | 3.0714 - 0.0076 | ---- | ---- | 442 UNCH |
| JUL19 | | ---- | ---- | 3.0756 - 0.0080 | ---- | ---- | 442 UNCH |
| AUG19 | | ---- | ---- | 3.0824 - 0.0080 | ---- | ---- | 442 UNCH |
| SEP19 | | ---- | ---- | 3.0867 - 0.0080 | ---- | ---- | 442 UNCH |
| OCT19 | | ---- | ---- | 3.0927 - 0.0080 | ---- | ---- | 441 UNCH |
| NOV19 | | ---- | ---- | 3.0947 - 0.0080 | ---- | ---- | 441 UNCH |
| DEC19 | | ---- | ---- | 3.0963 - 0.0080 | ---- | ---- | 440 UNCH |
| JAN20 | | ---- | ---- | 3.0992 - 0.0080 | ---- | ---- | 354 UNCH |
| TOTAL | HGS FUT | | | | 0 | | 13325 |
| MGC FUT | 10 TROY OZ GOLD FUTURES | | | | | | |
| JUN18 | | ---- | ---- | 1252.80 - 3.80 | ---- | ---- | 420 - 280 |
| AUG18 | | 1260.30 | 1261.70 /1252.40 | 1256.10 - 3.80 | 4908 | ---- | 3499 - 12 |
| OCT18 | | 1266.40 | 1267.00 /1258.20A | 1261.90 - 3.70 | 115 | ---- | 210 - 6 |
| DEC18 | | 1272.30 | 1273.20B/1264.40A | 1268.00 - 3.80 | 829 | ---- | 4237 + 17 |
| FEB19 | | 1276.80 | 1279.30B/1270.40A | 1274.10 - 3.80 | 63 | ---- | 1818 + 13 |
| APR19 | | ---- | ---- | 1280.20 - 3.80 | ---- | ---- | 4 UNCH |
| JUN19 | | ---- | ---- | 1286.50 - 3.90 | ---- | ---- | 34 UNCH |
| AUG19 | | ---- | ---- | 1292.70 - 3.90 | ---- | ---- | 7 UNCH |
| DEC19 | | ---- | ---- | 1305.70 - 3.90 | ---- | ---- | 13 UNCH |
| TOTAL | MGC FUT | | | | 5915 | | 10242 - 268 |
| MJP FUT | ALUMINUM JAPAN PREMIUM (PLATTS) FUT | | | | | | |
| JUN18 | | ---- | ---- | 92.95 UNCH | ---- | ---- | 876 UNCH |
| JUL18 | | ---- | ---- | 100.00 UNCH | ---- | ---- | 971 UNCH |
| AUG18 | | ---- | ---- | 100.00 UNCH | ---- | ---- | 971 UNCH |
| SEP18 | | ---- | ---- | 100.00 UNCH | ---- | ---- | 974 UNCH |
| OCT18 | | ---- | ---- | 100.00 UNCH | ---- | ---- | 1016 UNCH |
| NOV18 | | ---- | ---- | 100.00 UNCH | ---- | ---- | 1016 UNCH |
| DEC18 | | ---- | ---- | 100.00 UNCH | ---- | ---- | 1016 UNCH |
| JAN19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| FEB19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| MAR19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| APR19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| MAY19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| JUN19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |

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# METAL FUTURES PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*
**FINAL**



| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|
| MJP FUT | ALUMINUM JAPAN PREMIUM (PLATTS) FUT | | | | | | |
| JUL19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| AUG19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| SEP19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| OCT19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| NOV19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| DEC19 | | ---- | ---- | 110.00 UNCH | ---- | ---- | 176 UNCH |
| TOTAL | MJP FUT | | | | 0 | | 8952 |
| OC FUT | COMEX E-MINI COPPER FUTURES | | | | | | |
| JUL18 | | 2.9760 | 3.0000 /2.9600 | 2.9840 - 0.0080 | 13 | ---- | 53 + 5 |
| AUG18 | | 3.0080 | 3.0180 /3.0080 | 2.9980 - 0.0060 | 11 | ---- | 29 + 1 |
| SEP18 | | 3.0040 | 3.0220B/2.9880 | 3.0080 - 0.0080 | 21 | ---- | 21 + 7 |
| DEC18 | | ---- | ---- | 3.0300 - 0.0080 | ---- | ---- | 2 UNCH |
| TOTAL | QC FUT | | | | 45 | | 105 + 13 |
| OI FUT | E-MINI SILVER FUTURES | | | | | | |
| JUL18 | | 16.3000 | 16.3000 /16.1125A | 16.1510 - 0.0990 | 41 | ---- | 75 - 1 |
| SEP18 | | 16.3625 | 16.3625 /16.0500 | 16.2370 - 0.0940 | 51 | ---- | 184 + 16 |
| DEC18 | | 16.4500 | 16.4500 /16.2375 | 16.3550 - 0.0940 | 13 | ---- | 58 UNCH |
| JAN19 | | ---- | ---- | 16.3960 - 0.0940 | ---- | ---- | 10 UNCH |
| MAR19 | | 16.4250 | 16.4250 /16.4250 | 16.4740 - 0.0950 | 1 | ---- | 8 - 1 |
| JUL19 | | 16.5000 | 16.5000 /16.5000 | 16.6400 - 0.0950 | 1 | ---- | 8 UNCH |
| SEP19 | | ---- | ---- | 16.7310 - 0.0940 | ---- | ---- | 4 UNCH |
| TOTAL | QI FUT | | | | 107 | | 347 + 14 |
| QO FUT | E-MINI GOLD FUTURES | | | | | | |
| AUG18 | | 1260.50 | 1261.50 /1252.50 | 1256.10 - 3.80 | 313 | ---- | 711 + 43 |
| OCT18 | | 1263.50 | 1265.00 /1260.25 | 1261.90 - 3.70 | 8 | ---- | 78 + 1 |
| DEC18 | | 1268.00 | 1272.25 /1266.00 | 1268.00 - 3.80 | 6 | ---- | 37 UNCH |
| FEB19 | | ---- | ---- | 1274.10 - 3.80 | ---- | ---- | 9 UNCH |
| APR19 | | ---- | ---- | 1280.20 - 3.80 | ---- | ---- | 3 UNCH |
| JUN19 | | ---- | ---- | 1286.50 - 3.90 | ---- | ---- | 8 UNCH |
| DEC19 | | ---- | ---- | 1305.70 - 3.90 | ---- | ---- | 1 UNCH |
| TOTAL | QO FUT | | | | 327 | | 847 + 44 |
| SI FUT | COMEX SILVER FUTURES | | | | | | |
| JUN18 | | ---- | ---- | 16.139 - 0.099 | 3 | ---- | 8 + 3 |
| JUL18 | | 16.280 | 16.295 /15.945 | 16.151 - 0.099 | 93087 | 3050 | 19067 - 20205 |
| AUG18 | | 16.320 | 16.330B/16.000 | 16.196 - 0.097 | 986 | ---- | 1156 + 345 |
| SEP18 | | 16.365 | 16.375 /16.035 | 16.237 - 0.094 | 68483 | 1609 | 157143 + 19225 |
| DEC18 | | 16.475 | 16.490 /16.150 | 16.355 - 0.094 | 3444 | ---- | 34798 + 297 |
| JAN19 | | 16.535 | 16.535 /16.400 | 16.396 - 0.094 | 48 | ---- | 774 + 47 |
| MAR19 | | 16.605 | 16.605 /16.340 | 16.474 - 0.095 | 150 | ---- | 3637 + 31 |
| MAY19 | | 16.550 | 16.555 /16.440 | 16.557 - 0.095 | 24 | ---- | 299 - 9 |
| JUL19 | | ---- | 16.525A | 16.640 - 0.095 | 2 | ---- | 498 UNCH |
| SEP19 | | ---- | ---- | 16.731 - 0.094 | 2 | ---- | 152 + 1 |
| DEC19 | | ---- | ---- | 16.858 - 0.094 | ---- | ---- | 293 UNCH |
| JAN20 | | ---- | ---- | 16.898 - 0.094 | ---- | ---- | 2 UNCH |
| JUL20 | | ---- | ---- | 17.167 - 0.094 | ---- | ---- | 22 UNCH |
| DEC20 | | 17.435 | 17.435 /17.435 | 17.394 - 0.094 | 9 | ---- | 355 + 9 |
| DEC21 | | ---- | ---- | 17.937 - 0.094 | ---- | ---- | 27 UNCH |
| JUL22 | | ---- | ---- | 18.259 - 0.094 | ---- | ---- | 1 UNCH |
| DEC22 | | ---- | ---- | 18.487 - 0.094 | ---- | ---- | 4 UNCH |
| TOTAL | SI FUT | | | | 166238 | 4659 | 218236 - 256 |
| SIL FUT | 1000 OZ SILVER FUTURES | | | | | | |
| JUN18 | | ---- | ---- | 16.139 - 0.099 | ---- | ---- | 1 UNCH |
| JUL18 | | 16.270 | 16.290 /15.960 | 16.151 - 0.099 | 465 | ---- | 632 - 267 |
| AUG18 | | ---- | ---- | 16.196 - 0.097 | 4 | ---- | 18 UNCH |
| SEP18 | | 16.370 | 16.380 /16.040A | 16.237 - 0.094 | 464 | ---- | 762 + 240 |
| DEC18 | | 16.470 | 16.480 /16.180 | 16.355 - 0.094 | 35 | ---- | 191 + 14 |
| JAN19 | | ---- | ---- | 16.396 - 0.094 | ---- | ---- | 4 UNCH |
| MAR19 | | 16.450 | 16.450 /16.450 | 16.474 - 0.095 | 1 | ---- | 2 + 1 |
| TOTAL | SIL FUT | | | | 969 | | 1610 - 12 |
| ZNC FUT | ZINC FUTURES | | | | | | |
| AUG18 | | ---- | 2898.0B/2817.5A | 2867.0 + 44.0 | 13 | ---- | 17 UNCH |
| SEP18 | | 2849.0 | 2921.0B/2824.0A | 2869.0 + 59.5 | 110 | ---- | 4 - 3 |
| OCT18 | | ---- | 2915.5B/2825.0A | 2886.0 + 59.5 | ---- | ---- | 3 UNCH |
| TOTAL | ZNC FUT | | | | 123 | | 24 - 3 |

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# METAL FUTURES PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



## NYMEX METAL FUTURES PRODUCTS

| | | GLOBEX OPEN | GLOBEX HIGH/LOW | SETT. & PT. | PRICE CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|
| BUS FUT | U.S. MIDWEST BUSHELING SCRAP | | | | | | | | |
| JUL18 | | ---- | ---- | 400.00 | UNCH | ---- | ---- | 657 | UNCH |
| AUG18 | | ---- | ---- | 400.00 | UNCH | ---- | ---- | 606 | UNCH |
| SEP18 | | ---- | ---- | 400.00 | UNCH | ---- | ---- | 552 | UNCH |
| OCT18 | | ---- | ---- | 398.00 | - 2.00 | ---- | ---- | 431 | UNCH |
| NOV18 | | ---- | ---- | 398.00 | - 2.00 | ---- | ---- | 431 | UNCH |
| DEC18 | | ---- | ---- | 398.00 | - 2.00 | ---- | ---- | 433 | UNCH |
| JAN19 | | ---- | ---- | 395.00 | - 2.00 | ---- | ---- | 15 | UNCH |
| FEB19 | | ---- | ---- | 395.00 | - 2.00 | ---- | ---- | 15 | UNCH |
| MAR19 | | ---- | ---- | 395.00 | - 2.00 | ---- | ---- | 15 | UNCH |
| TOTAL | BUS FUT | | | | | | | 3155 | |
| HRC FUT | HOT ROLLED COIL STEEL (CRU) FUTURES | | | | | | | | |
| JUN18 | | ---- | ---- | 904.00 | + 4.00 | ---- | ---- | 2661 | UNCH |
| JUL18 | | 905.00 | 907.00 /905.00 | 907.00 | + 1.00 | 3 | ---- | 2807 | + 2 |
| AUG18 | | 900.00 | 900.00 /900.00 | 898.00 | - 3.00 | 1 | 25 | 2318 | + 26 |
| SEP18 | | 867.00 | 867.00 /867.00 | 867.00 | + 4.00 | 1 | ---- | 2365 | UNCH |
| OCT18 | | 859.00 | 859.00 /857.00 | 857.00 | UNCH | 5 | ---- | 1514 | + 4 |
| NOV18 | | 847.00 | 847.00 /844.00 | 844.00 | - 1.00 | 9 | ---- | 976 | + 8 |
| DEC18 | | 829.00 | 834.00 /829.00 | 833.00 | + 11.00 | 28 | ---- | 1130 | + 20 |
| JAN19 | | ---- | ---- | 805.00 | UNCH | ---- | ---- | 212 | UNCH |
| FEB19 | | ---- | ---- | 793.00 | UNCH | ---- | ---- | 129 | UNCH |
| MAR19 | | ---- | ---- | 775.00 | UNCH | ---- | ---- | 151 | UNCH |
| APR19 | | ---- | ---- | 765.00 | UNCH | ---- | ---- | 121 | UNCH |
| MAY19 | | ---- | ---- | 755.00 | UNCH | ---- | ---- | 113 | UNCH |
| JUN19 | | ---- | ---- | 753.00 | UNCH | ---- | ---- | 123 | UNCH |
| JUL19 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 20 | UNCH |
| AUG19 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 15 | UNCH |
| SEP19 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 27 | UNCH |
| OCT19 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 17 | UNCH |
| NOV19 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 14 | UNCH |
| DEC19 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 13 | UNCH |
| JAN20 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 13 | UNCH |
| FEB20 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 13 | UNCH |
| MAR20 | | ---- | ---- | 750.00 | UNCH | ---- | ---- | 13 | UNCH |
| TOTAL | HRC FUT | | | | | 47 | 25 | 14765 | + 60 |
| PA FUT | NYMEX PALLADIUM FUTURES | | | | | | | | |
| JUN18 | | ---- | ---- | 953.80 | - 10.80 | ---- | ---- | 0 | - 17 |
| SEP18 | | 952.00 | 957.60 /935.00 | 943.90 | - 10.80 | 5082 | 355 | 20047 | - 34 |
| DEC18 | | 951.60 | 951.60 /932.20 | 939.20 | - 10.70 | 248 | ---- | 1853 | UNCH |
| MAR19 | | ---- | ---- | 933.90 | - 10.70 | ---- | ---- | 8 | UNCH |
| TOTAL | PA FUT | | | | | 5330 | 355 | 21908 | - 51 |
| PIO FUT | IRON ORE 62 CHINA (PLATTS) FUTURES | | | | | | | | |
| JUN18 | | ---- | ---- | 64.85 | - 0.06 | ---- | ---- | 120 | UNCH |
| JUL18 | | ---- | ---- | 64.40 | + 0.11 | ---- | ---- | 80 | UNCH |
| AUG18 | | ---- | ---- | 63.90 | - 0.08 | ---- | ---- | 80 | UNCH |
| SEP18 | | ---- | ---- | 63.90 | - 0.22 | ---- | ---- | 80 | UNCH |
| OCT18 | | ---- | ---- | 63.88 | - 0.18 | ---- | ---- | 80 | UNCH |
| NOV18 | | ---- | ---- | 63.84 | - 0.17 | ---- | ---- | 80 | UNCH |
| DEC18 | | ---- | ---- | 63.79 | - 0.17 | ---- | ---- | 80 | UNCH |
| TOTAL | PIO FUT | | | | | | | 600 | |
| PL FUT | NYMEX PLATINUM FUTURES | | | | | | | | |
| JUN18 | | ---- | ---- | 856.30 | - 13.00 | ---- | ---- | 0 | - 200 |
| JUL18 | | 869.00 | 869.40 /852.10 | 858.30 | - 13.00 | 13488 | 830 | 5036 | - 7091 |
| AUG18 | | 871.70 | 872.20 /857.10 | 858.80 | - 12.30 | 92 | ---- | 99 | + 14 |
| OCT18 | | 872.20 | 872.70 /856.00 | 862.00 | - 12.70 | 25748 | 555 | 78564 | + 6963 |
| JAN19 | | 873.30 | 874.40 /861.00 | 867.30 | - 12.80 | 168 | ---- | 2352 | + 87 |
| APR19 | | 874.00 | 874.00 /866.90 | 873.20 | - 13.30 | 36 | ---- | 129 | + 27 |
| JUL19 | | 881.50 | 881.50 /872.10 | 872.20 | - 21.30 | 4 | ---- | 72 | UNCH |
| TOTAL | PL FUT | | | | | 39536 | 1385 | 86252 | - 200 |
| TIO FUT | IRON ORE 62 CHINA (TSI) FUTURES | | | | | | | | |
| JUN18 | | ---- | 64.67A | 64.85 | - 0.06 | ---- | ---- | 1121 | UNCH |
| JUL18 | | ---- | 64.63B/64.01A | 64.40 | + 0.11 | ---- | 201 | 952 | UNCH |
| AUG18 | | ---- | ---- | 63.90 | - 0.08 | ---- | ---- | 1938 | UNCH |
| SEP18 | | ---- | ---- | 63.90 | - 0.22 | ---- | 171 | 1279 | + 171 |
| OCT18 | | ---- | ---- | 63.88 | - 0.18 | ---- | ---- | 236 | UNCH |
| NOV18 | | ---- | ---- | 63.84 | - 0.17 | ---- | ---- | 236 | UNCH |
| DEC18 | | ---- | ---- | 63.79 | - 0.17 | ---- | ---- | 236 | UNCH |
| JAN19 | | ---- | ---- | 63.65 | - 0.14 | ---- | ---- | 123 | UNCH |
| FEB19 | | ---- | ---- | 63.50 | - 0.16 | ---- | ---- | 123 | UNCH |
| MAR19 | | ---- | ---- | 63.35 | - 0.16 | ---- | ---- | 123 | UNCH |
| APR19 | | ---- | ---- | 63.20 | - 0.16 | ---- | ---- | 103 | UNCH |
| MAY19 | | ---- | ---- | 63.05 | - 0.16 | ---- | ---- | 103 | UNCH |
| JUN19 | | ---- | ---- | 62.90 | - 0.16 | ---- | ---- | 103 | UNCH |
| JUL19 | | ---- | ---- | 62.75 | - 0.16 | ---- | ---- | 108 | UNCH |
| AUG19 | | ---- | ---- | 62.60 | - 0.16 | ---- | ---- | 108 | UNCH |
| SEP19 | | ---- | ---- | 62.47 | - 0.15 | ---- | ---- | 108 | UNCH |
| OCT19 | | ---- | ---- | 62.34 | - 0.15 | ---- | ---- | 103 | UNCH |
| NOV19 | | ---- | ---- | 62.19 | - 0.17 | ---- | ---- | 103 | UNCH |
| DEC19 | | ---- | ---- | 62.08 | - 0.16 | ---- | ---- | 103 | UNCH |
| JAN20 | | ---- | ---- | 61.94 | - 0.15 | ---- | ---- | 246 | UNCH |
| FEB20 | | ---- | ---- | 61.82 | - 0.16 | ---- | ---- | 246 | UNCH |
| MAR20 | | ---- | ---- | 61.72 | - 0.16 | ---- | ---- | 246 | UNCH |
| APR20 | | ---- | ---- | 61.65 | - 0.13 | ---- | ---- | 246 | UNCH |
| MAY20 | | ---- | ---- | 61.55 | - 0.13 | ---- | ---- | 246 | UNCH |
| JUN20 | | ---- | ---- | 61.45 | - 0.13 | ---- | ---- | 246 | UNCH |
| JUL20 | | ---- | ---- | 61.35 | - 0.13 | ---- | ---- | 246 | UNCH |
| AUG20 | | ---- | ---- | 61.25 | - 0.13 | ---- | ---- | 246 | UNCH |
| SEP20 | | ---- | ---- | 61.15 | - 0.13 | ---- | ---- | 246 | UNCH |
| OCT20 | | ---- | ---- | 61.05 | - 0.13 | ---- | ---- | 246 | UNCH |
| NOV20 | | ---- | ---- | 60.95 | - 0.13 | ---- | ---- | 246 | UNCH |
| DEC20 | | ---- | ---- | 60.87 | - 0.12 | ---- | ---- | 246 | UNCH |
| TOTAL | TIO FUT | | | | | | 372 | 10261 | + 171 |
| UX FUT | NYMEX URANIUM | | | | | | | | |
| JUN18 | | ---- | ---- | 22.55 | UNCH | ---- | ---- | 234 | UNCH |
| JUL18 | | ---- | ---- | 22.65 | UNCH | ---- | ---- | 14 | UNCH |
| AUG18 | | ---- | ---- | 22.65 | UNCH | ---- | ---- | 6 | UNCH |
| SEP18 | | ---- | ---- | 22.85 | UNCH | ---- | ---- | 6 | UNCH |
| NOV18 | | ---- | ---- | 23.10 | UNCH | ---- | ---- | 840 | UNCH |
| DEC18 | | ---- | ---- | 23.20 | UNCH | ---- | ---- | 555 | UNCH |
| MAR19 | | ---- | ---- | 23.55 | UNCH | ---- | ---- | 100 | UNCH |
| APR19 | | ---- | ---- | 23.65 | UNCH | ---- | ---- | 300 | UNCH |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| JUN19 | ---- | ---- | 23.85 | UNCH | ---- | ---- | 35 | UNCH |
| FEB20 | ---- | ---- | 24.80 | UNCH | ---- | ---- | 400 | UNCH |
| MAR20 | ---- | ---- | 24.90 | UNCH | ---- | ---- | 200 | UNCH |
| TOTAL UX FUT | | | | | | | 2690 | |

METALS CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 | JUL19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AEP FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 | |
| ALA FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | | | | | | | |
| AUP FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 | |
| BUS FUT | | 07/10 | 08/10 | 09/10 | 10/10 | 11/12 | 12/10 | 01/10 | 02/11 | 03/11 | | | | |
| CUP FUT | 06/29 | 07/31 | 08/31 | 09/28 | | | | | | | | | | |
| EDP FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 | |
| GC FUT | 06/27 | 07/27 | 08/29 | | 10/29 | | 12/27 | | 02/26 | | 04/26 | | 06/26 | |
| HG FUT | 06/27 | 07/27 | 08/29 | 09/26 | 10/29 | 11/28 | 12/27 | 01/29 | 02/26 | 03/27 | 04/26 | 05/29 | 06/26 | |
| HGS FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 | |
| HRC FUT | 06/26 | 07/24 | 08/28 | 09/25 | 10/30 | 11/27 | 12/24 | 01/29 | 02/26 | 03/26 | 04/23 | 05/28 | 06/25 | 07/30 |
| MGC FUT | 06/27 | | 08/29 | | 10/29 | | 12/27 | | 02/26 | | 04/26 | | 06/26 | |
| MJP FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/28 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 | |
| PA FUT | 06/27 | | | 09/26 | | | 12/27 | | | 03/27 | | | | |
| PIO FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | | | | | | | |
| PL FUT | 06/27 | 07/27 | 08/29 | | 10/29 | | | 01/29 | | | 04/26 | | | 07/29 |
| QC FUT | | 06/27 | 07/27 | 08/29 | | | 11/28 | | | | | | | |
| QI FUT | | 06/27 | | 08/29 | | | 11/28 | 12/27 | | 02/26 | | | | |
| QO FUT | | | 07/27 | | 09/26 | | 11/28 | | 01/29 | | 03/27 | | 05/29 | |
| SI FUT | 06/27 | 07/27 | 08/29 | 09/26 | | | 12/27 | 01/29 | | 03/27 | | 05/29 | | |
| SIL FUT | 06/27 | 07/27 | 08/29 | 09/26 | | | 12/27 | 01/29 | | 03/27 | | | | |
| TIO FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 | 07/31 |
| UX FUT | 06/25 | 07/30 | 08/27 | 09/24 | | 11/26 | 12/31 | | | 03/25 | 04/29 | | 06/24 | |
| ZNC FUT | | | 08/29 | 09/26 | 10/29 | | | | | | | | | |

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# METAL FUTURES PRODUCTS



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# ENERGY OPTIONS



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

## ENERGY OPTIONS ON FUTURES

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AA CALL | | BRENT 1 MONTH CALENDAR OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.00 - 0.01 | ---- | ---- | ---- | ---- | ---- | 0 - 1000 |
| TOTAL | | | | | | | | | | | | 0 - 1000 |
| SEP18 | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.08 - 0.01 | .3018 | ---- | ---- | ---- | ---- | 1000 UNCH |
| TOTAL | | | | | | | | | | | | 1000 |
| BA CALL | | BRENT AVERAGE PRICE OPTION | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 6800 | ---- | ---- | ---- | ---- | ---- | 7.85 + 0.19 | .9955 | ---- | ---- | ---- | ---- | 25 UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0112 | ---- | ---- | ---- | ---- | 100 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 21 UNCH |
| TOTAL | | | | | | | | | | | | 146 |
| JUL18 | | | | | | | | | | | | |
| 6900 | ---- | ---- | ---- | ---- | ---- | 8.45 + 1.28 | .9446 | ---- | ---- | ---- | ---- | 25 UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 0.89 + 0.42 | .3511 | ---- | ---- | ---- | ---- | 100 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0027 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 145 |
| AUG18 | | | | | | | | | | | | |
| 6900 | ---- | ---- | ---- | ---- | ---- | 8.51 + 1.21 | .9003 | ---- | ---- | ---- | ---- | 25 UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 1.85 + 0.62 | .4073 | ---- | ---- | ---- | ---- | 100 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0029 | ---- | ---- | ---- | ---- | 19 UNCH |
| TOTAL | | | | | | | | | | | | 144 |
| SEP18 | | | | | | | | | | | | |
| 6900 | ---- | ---- | ---- | ---- | ---- | 8.70 + 1.15 | .8380 | ---- | ---- | ---- | ---- | 25 UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 6.39 + 1.05 | .7359 | ---- | ---- | ---- | ---- | 115 UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 2.51 + 0.68 | .4248 | ---- | ---- | ---- | ---- | 100 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0053 | ---- | ---- | ---- | ---- | 18 UNCH |
| TOTAL | | | | | | | | | | | | 258 |
| OCT18 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.06 + 0.03 | .0130 | ---- | ---- | ---- | ---- | 17 UNCH |
| TOTAL | | | | | | | | | | | | 17 |
| NOV18 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.08 + 0.04 | .0164 | ---- | ---- | ---- | ---- | 16 UNCH |
| TOTAL | | | | | | | | | | | | 16 |
| DEC18 | | | | | | | | | | | | |
| 7650 | ---- | ---- | ---- | ---- | ---- | 4.84 + 0.84 | .5119 | ---- | ---- | ---- | ---- | 135 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.11 + 0.04 | .0210 | ---- | ---- | ---- | ---- | 15 UNCH |
| TOTAL | | | | | | | | | | | | 150 |
| JAN19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 0.60 + 0.11 | .0974 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 0.55 + 0.10 | .0900 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.14 + 0.03 | .0252 | ---- | ---- | ---- | ---- | 15 UNCH |
| TOTAL | | | | | | | | | | | | 115 |
| FEB19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 0.72 + 0.11 | .1088 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 0.65 + 0.09 | .0997 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.17 + 0.03 | .0291 | ---- | ---- | ---- | ---- | 14 UNCH |
| TOTAL | | | | | | | | | | | | 114 |
| MAR19 | | | | | | | | | | | | |
| 7775 | ---- | ---- | ---- | ---- | ---- | 4.94 + 0.59 | .4640 | ---- | ---- | ---- | ---- | 125 UNCH |
| 9750 | ---- | ---- | ---- | ---- | ---- | 0.85 + 0.11 | .1200 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 0.78 + 0.10 | .1114 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.23 + 0.03 | .0365 | ---- | ---- | ---- | ---- | 13 UNCH |
| TOTAL | | | | | | | | | | | | 238 |
| APR19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 0.98 + 0.19 | .1302 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 0.90 + 0.17 | .1212 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.33 + 0.10 | .0475 | ---- | ---- | ---- | ---- | 13 UNCH |
| TOTAL | | | | | | | | | | | | 113 |
| MAY19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.09 + 0.08 | .1382 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.01 + 0.07 | .1295 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.36 + 0.04 | .0504 | ---- | ---- | ---- | ---- | 12 UNCH |
| TOTAL | | | | | | | | | | | | 112 |
| JUN19 | | | | | | | | | | | | |
| 7750 | ---- | ---- | ---- | ---- | ---- | 5.46 + 0.50 | .4620 | ---- | ---- | ---- | ---- | 110 UNCH |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.21 + 0.04 | .1465 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.13 + 0.03 | .1381 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.42 + 0.01 | .0562 | ---- | ---- | ---- | ---- | 12 UNCH |
| TOTAL | | | | | | | | | | | | 222 |
| JUL19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.30 + 0.09 | .1521 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.22 + 0.08 | .1439 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.48 + 0.04 | .0617 | ---- | ---- | ---- | ---- | 11 UNCH |
| TOTAL | | | | | | | | | | | | 111 |
| AUG19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.38 + 0.14 | .1568 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.30 + 0.14 | .1488 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.53 + 0.12 | .0660 | ---- | ---- | ---- | ---- | 11 UNCH |
| TOTAL | | | | | | | | | | | | 111 |
| SEP19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.45 + 0.15 | .1607 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.37 + 0.15 | .1529 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.58 + 0.11 | .0701 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 110 |
| OCT19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.48 + 0.16 | .1618 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.40 + 0.16 | .1541 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.10 | .0733 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 110 |
| NOV19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.41 + 0.16 | .1566 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.33 + 0.15 | .1488 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.55 + 0.08 | .0672 | ---- | ---- | ---- | ---- | 9 UNCH |
| TOTAL | | | | | | | | | | | | 109 |
| DEC19 | | | | | | | | | | | | |
| 9750 | ---- | ---- | ---- | ---- | ---- | 1.34 + 0.14 | .1512 | ---- | ---- | ---- | ---- | 75 UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 1.26 + 0.13 | .1434 | ---- | ---- | ---- | ---- | 25 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.51 + 0.08 | .0636 | ---- | ---- | ---- | ---- | 9 UNCH |
| TOTAL | | | | | | | | | | | | 109 |
| JAN20 | | | | | | | | | | | | |
| 7045 | ---- | ---- | ---- | ---- | ---- | 8.76 + 0.44 | .5721 | ---- | ---- | ---- | ---- | 125 UNCH |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA CALL | | BRENT AVERAGE PRICE OPTION | | | | | | | | | | |
| JAN20 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.49 + 0.07 | .0617 | ---- | ---- | ---- | ---- | 9 UNCH |
| TOTAL | | | | | | | | | | | | 134 |
| FEB20 | | | | | | | | | | | | |
| 7045 | ---- | ---- | ---- | ---- | ---- | 8.69 + 0.40 | .5671 | ---- | ---- | ---- | ---- | 125 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.64 + 0.07 | .0743 | ---- | ---- | ---- | ---- | 8 UNCH |
| TOTAL | | | | | | | | | | | | 133 |
| MAR20 | | | | | | | | | | | | |
| 7045 | ---- | ---- | ---- | ---- | ---- | 8.62 + 0.37 | .5627 | ---- | ---- | ---- | ---- | 125 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.66 + 0.07 | .0758 | ---- | ---- | ---- | ---- | 8 UNCH |
| TOTAL | | | | | | | | | | | | 133 |
| APR20 | | | | | | | | | | | | |
| 6955 | ---- | ---- | ---- | ---- | ---- | 8.91 + 0.34 | .5742 | ---- | ---- | ---- | ---- | 125 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.77 + 0.09 | .0842 | ---- | ---- | ---- | ---- | 8 UNCH |
| TOTAL | | | | | | | | | | | | 133 |
| MAY20 | | | | | | | | | | | | |
| 6955 | ---- | ---- | ---- | ---- | ---- | 8.84 + 0.32 | .5694 | ---- | ---- | ---- | ---- | 125 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.06 | .0723 | ---- | ---- | ---- | ---- | 7 UNCH |
| TOTAL | | | | | | | | | | | | 132 |
| JUN20 | | | | | | | | | | | | |
| 6955 | ---- | ---- | ---- | ---- | ---- | 8.77 + 0.34 | .5648 | ---- | ---- | ---- | ---- | 125 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.64 + 0.01 | .0738 | ---- | ---- | ---- | ---- | 7 UNCH |
| TOTAL | | | | | | | | | | | | 132 |
| JUL20 | | | | | | | | | | | | |
| 6900 | ---- | ---- | ---- | ---- | ---- | 8.93 + 0.33 | .5700 | ---- | ---- | ---- | ---- | 130 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.73 + 0.04 | .0807 | ---- | ---- | ---- | ---- | 7 UNCH |
| TOTAL | | | | | | | | | | | | 137 |
| AUG20 | | | | | | | | | | | | |
| 6900 | ---- | ---- | ---- | ---- | ---- | 8.84 + 0.32 | .5651 | ---- | ---- | ---- | ---- | 130 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.81 + 0.07 | .0866 | ---- | ---- | ---- | ---- | 7 UNCH |
| TOTAL | | | | | | | | | | | | 137 |
| SEP20 | | | | | | | | | | | | |
| 6900 | ---- | ---- | ---- | ---- | ---- | 8.74 + 0.29 | .5608 | ---- | ---- | ---- | ---- | 130 UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.89 + 0.09 | .0922 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 136 |
| OCT20 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.02 + 0.13 | .1010 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| NOV20 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.98 + 0.09 | .0982 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| DEC20 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.98 + 0.08 | .0981 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| JAN21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.99 + 0.06 | .0987 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| FEB21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.99 + 0.04 | .0986 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| MAR21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.00 + 0.03 | .0992 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| APR21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.01 - 0.01 | .0997 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| MAY21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.03 UNCH | .1010 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| JUN21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.06 UNCH | .1029 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| JUL21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.10 UNCH | .1054 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| AUG21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.13 UNCH | .1073 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| SEP21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.16 UNCH | .1091 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| OCT21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.22 - 0.01 | .1128 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 5 |
| NOV21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.22 + 0.01 | .1127 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| DEC21 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.26 + 0.02 | .1151 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| JAN22 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.31 + 0.04 | .1181 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| FEB22 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.35 + 0.06 | .1204 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| MAR22 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.39 + 0.07 | .1227 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| APR22 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.53 + 0.13 | .1306 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| MAY22 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.48 + 0.08 | .1278 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| JUN22 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.52 + 0.08 | .1300 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| JUL22 | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.55 + 0.07 | .1316 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 4 |
| AUG22 | | | | | | | | | | | | |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA CALL | | BRENT AVERAGE PRICE OPTION | | | | | | | | | | | | | |
| AUG22 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.59 | + | 0.06 | .1337 | ---- | ---- | ---- | ---- | 4 | UNCH |
| TOTAL | | | | | | | | | | | | | | 4 | |
| SEP22 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.64 | + | 0.06 | .1364 | ---- | ---- | ---- | ---- | 4 | UNCH |
| TOTAL | | | | | | | | | | | | | | 4 | |
| OCT22 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.77 | + | 0.08 | .1433 | ---- | ---- | ---- | ---- | 4 | UNCH |
| TOTAL | | | | | | | | | | | | | | 4 | |
| NOV22 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.72 | + | 0.05 | .1406 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| DEC22 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.76 | + | 0.03 | .1427 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| JAN23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.80 | + | 0.02 | .1448 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| FEB23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.84 | + | 0.01 | .1468 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| MAR23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.88 | | UNCH | .1488 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| APR23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.92 | - | 0.01 | .1508 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| MAY23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 1.98 | - | 0.01 | .1538 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| JUN23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 2.04 | - | 0.01 | .1568 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| JUL23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 2.10 | - | 0.01 | .1597 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| AUG23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 2.15 | - | 0.02 | .1620 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| SEP23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 2.21 | - | 0.02 | .1649 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| OCT23 | | | | | | | | | | | | | | | |
| 11500 | ---- | ---- | ---- | ---- | ---- | 2.27 | - | 0.01 | .1677 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | | | 3 | |
| BA PUT | | BRENT AVERAGE PRICE OPTION | | | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | | | |
| 5420 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0015 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | | | 25 | |
| JUL18 | | | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0036 | ---- | ---- | ---- | ---- | 190 | UNCH |
| TOTAL | | | | | | | | | | | | | | 215 | |
| AUG18 | | | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0030 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.03 | - | 0.01 | .0095 | ---- | ---- | ---- | ---- | 190 | UNCH |
| TOTAL | | | | | | | | | | | | | | 215 | |
| SEP18 | | | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.04 | - | 0.01 | .0095 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.13 | - | 0.03 | .0296 | ---- | ---- | ---- | ---- | 190 | UNCH |
| TOTAL | | | | | | | | | | | | | | 215 | |
| OCT18 | | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.30 | - | 0.02 | .0537 | ---- | ---- | ---- | ---- | 190 | UNCH |
| TOTAL | | | | | | | | | | | | | | 190 | |
| NOV18 | | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.51 | - | 0.08 | .0766 | ---- | ---- | ---- | ---- | 190 | UNCH |
| TOTAL | | | | | | | | | | | | | | 190 | |
| DEC18 | | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.80 | - | 0.04 | .1015 | ---- | ---- | ---- | ---- | 190 | UNCH |
| TOTAL | | | | | | | | | | | | | | 190 | |
| JAN20 | | | | | | | | | | | | | | | |
| 6450 | ---- | ---- | ---- | ---- | ---- | 5.61 | - | 0.12 | .3199 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | | 125 | |
| FEB20 | | | | | | | | | | | | | | | |
| 6450 | ---- | ---- | ---- | ---- | ---- | 5.75 | - | 0.12 | .3251 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | | 125 | |
| MAR20 | | | | | | | | | | | | | | | |
| 6450 | ---- | ---- | ---- | ---- | ---- | 5.93 | - | 0.13 | .3299 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | | 125 | |
| APR20 | | | | | | | | | | | | | | | |
| 6350 | ---- | ---- | ---- | ---- | ---- | 5.86 | - | 0.12 | .3188 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | | 125 | |
| MAY20 | | | | | | | | | | | | | | | |
| 6350 | ---- | ---- | ---- | ---- | ---- | 5.84 | - | 0.11 | .3228 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | | 125 | |
| JUN20 | | | | | | | | | | | | | | | |
| 6350 | ---- | ---- | ---- | ---- | ---- | 6.02 | - | 0.09 | .3278 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | | 125 | |
| JUL20 | | | | | | | | | | | | | | | |
| 6275 | ---- | ---- | ---- | ---- | ---- | 5.91 | - | 0.08 | .3202 | ---- | ---- | ---- | ---- | 130 | UNCH |
| TOTAL | | | | | | | | | | | | | | 130 | |
| AUG20 | | | | | | | | | | | | | | | |
| 6275 | ---- | ---- | ---- | ---- | ---- | 6.10 | - | 0.05 | .3254 | ---- | ---- | ---- | ---- | 130 | UNCH |
| TOTAL | | | | | | | | | | | | | | 130 | |
| SEP20 | | | | | | | | | | | | | | | |
| 6275 | ---- | ---- | ---- | ---- | ---- | 6.26 | - | 0.04 | .3297 | ---- | ---- | ---- | ---- | 130 | UNCH |
| TOTAL | | | | | | | | | | | | | | 130 | |

9C CALL BRENT CRUDE OIL 1 M CSO FIN
AUG18

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9C CALL | | BRENT CRUDE OIL | 1 M CSO FIN | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0506 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0192 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0016 | ---- | ---- | ---- | ---- | 4056 | UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0003 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 4850 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 2300 | UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 500 | UNCH |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 85 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 90 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 3800 | UNCH |
| TOTAL | | | | | | | | | | | | | 26506 | |
| SEP18 | | | | | | | | | | | | | | |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.12 | UNCH | .4348 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.11 | UNCH | .3896 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| 45 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .3498 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.01 | .3138 | ---- | ---- | ---- | ---- | 7056 | UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.01 | .2804 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.07 | UNCH | .2489 | ---- | ---- | ---- | ---- | 4500 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .2008 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .1685 | ---- | ---- | ---- | ---- | 2300 | UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.04 | UNCH | .1586 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .1277 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 85 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0946 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 90 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0896 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0510 | ---- | ---- | ---- | ---- | 3800 | UNCH |
| TOTAL | | | | | | | | | | | | | 30156 | |
| OCT18 | | | | | | | | | | | | | | |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.15 | UNCH | .4318 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.14 | UNCH | .3960 | ---- | ---- | ---- | ---- | 3000 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .3165 | ---- | ---- | ---- | ---- | 6056 | UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.09 | UNCH | .2863 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.01 | .2441 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.05 | UNCH | .1859 | ---- | ---- | ---- | ---- | 6800 | UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.04 | UNCH | .1568 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.04 | UNCH | .1486 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 85 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .1201 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 90 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0894 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0814 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| TOTAL | | | | | | | | | | | | | 25856 | |
| NOV18 | | | | | | | | | | | | | | |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.19 | - 0.01 | .4839 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.17 | - 0.01 | .4450 | ---- | ---- | ---- | ---- | 3000 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.01 | .3752 | ---- | ---- | ---- | ---- | 5056 | UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.01 | .3386 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.11 | UNCH | .3105 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.08 | UNCH | .2465 | ---- | ---- | ---- | ---- | 6800 | UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.07 | UNCH | .2206 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.06 | UNCH | .1951 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 85 | ---- | ---- | ---- | ---- | ---- | 0.05 | UNCH | .1695 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 90 | ---- | ---- | ---- | ---- | ---- | 0.04 | UNCH | .1434 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .1109 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| TOTAL | | | | | | | | | | | | | 24856 | |
| DEC18 | | | | | | | | | | | | | | |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.20 | + 0.01 | .5082 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.18 | UNCH | .4679 | ---- | ---- | ---- | ---- | 3000 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.17 | + 0.01 | .4050 | ---- | ---- | ---- | ---- | 5056 | UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.15 | + 0.01 | .3718 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.13 | + 0.01 | .3382 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.10 | + 0.01 | .2780 | ---- | ---- | ---- | ---- | 6800 | UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.09 | + 0.01 | .2534 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.07 | UNCH | .2164 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 85 | ---- | ---- | ---- | ---- | ---- | 0.06 | UNCH | .1916 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 90 | ---- | ---- | ---- | ---- | ---- | 0.05 | UNCH | .1666 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.04 | UNCH | .1348 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| TOTAL | | | | | | | | | | | | | 24856 | |
| JAN19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.13 | + 0.02 | .4032 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.08 | UNCH | .2827 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| FEB19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.15 | + 0.03 | .4191 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.10 | + 0.01 | .3091 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| MAR19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.15 | + 0.02 | .4072 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.11 | + 0.01 | .3110 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| APR19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.16 | + 0.03 | .4172 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.11 | + 0.01 | .3148 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| MAY19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.16 | + 0.02 | .4116 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.11 | + 0.01 | .3111 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| JUN19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.18 | + 0.03 | .4044 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.13 | + 0.01 | .3172 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| JUL19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.17 | + 0.02 | .3911 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.12 | + 0.01 | .3029 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| AUG19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.18 | + 0.02 | .4141 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.13 | + 0.01 | .3239 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| SEP19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.19 | + 0.02 | .4082 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.14 | + 0.01 | .3244 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| OCT19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.19 | + 0.02 | .4037 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.14 | + 0.01 | .3213 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| NOV19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.19 | + 0.02 | .4329 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.13 | + 0.01 | .3348 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| DEC19 | | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.17 | + 0.01 | .4004 | ---- | ---- | ---- | ---- | 1000 | UNCH |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9C CALL | | BRENT CRUDE OIL 1 M CSO FIN | | | | | | | | | | | | |
| DEC19 | | | | | | | | | | | | | | |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.13 | + 0.01 | .3173 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2000 | |
| 9C PUT | | BRENT CRUDE OIL 1 M CSO FIN | | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | |
| 10 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .2186 | ---- | ---- | ---- | 1500 | 1000 | - 1500 |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.01 | .6832 | ---- | ---- | ---- | ---- | 4800 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.15 | UNCH | .9318 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| TOTAL | | | | | | | | | | | | 1500 | 8300 | - 1500 |
| SEP18 | | | | | | | | | | | | | | |
| 10 | ---- | ---- | ---- | ---- | ---- | 0.08 | + 0.01 | .3121 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .3976 | ---- | ---- | ---- | ---- | 2800 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.12 | + 0.01 | .4536 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.14 | + 0.01 | .5119 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| TOTAL | | | | | | | | | | | | | 8800 | |
| OCT18 | | | | | | | | | | | | | | |
| 10 | ---- | ---- | ---- | ---- | ---- | 0.11 | UNCH | .3540 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.14 | UNCH | .4352 | ---- | ---- | ---- | ---- | 2300 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.19 | UNCH | .5275 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 5800 | |
| NOV18 | | | | | | | | | | | | | | |
| 10 | ---- | ---- | ---- | ---- | ---- | 0.11 | + 0.01 | .3261 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.14 | UNCH | .3962 | ---- | ---- | ---- | ---- | 2400 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.18 | UNCH | .4753 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.21 | UNCH | .5160 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | 6000 | |
| DEC18 | | | | | | | | | | | | | | |
| 10 | ---- | ---- | ---- | ---- | ---- | 0.10 | - 0.01 | .3050 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.13 | - 0.01 | .3742 | ---- | ---- | ---- | ---- | 2400 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.01 | .4129 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.17 | - 0.01 | .4518 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| TOTAL | | | | | | | | | | | | | 6200 | |
| BZO CALL | | BRENT CRUDE OIL FUT MARGIN OPT | | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | |
| 6200 | ---- | ---- | ---- | ---- | ---- | 14.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6250 | ---- | ---- | ---- | ---- | ---- | 13.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 13.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 12.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 12.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 11.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 11.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 10.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 9.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 9.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 8.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 8.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 7.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 7.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 6.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7150 | ---- | ---- | ---- | ---- | ---- | 4.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 4.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 3.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 3.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7350 | ---- | ---- | ---- | ---- | ---- | 2.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7450 | ---- | ---- | ---- | ---- | ---- | 1.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7550 | ---- | ---- | ---- | ---- | ---- | 0.81 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.31 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7650 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| TOTAL | | | | | | | | | | | | | 0 | |
| SEP18 | | | | | | | | | | | | | | |
| 5450 | ---- | ---- | #22.10B/---- | #22.10B/---- | ---- | 22.97 | + 1.32 | .9995 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5500 | ---- | ---- | 22.89B/---- | 22.89B/---- | ---- | 22.47 | + 1.32 | .9993 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 5550 | ---- | ---- | 22.38B/---- | 22.38B/---- | ---- | 21.97 | + 1.32 | .9991 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 5600 | ---- | ---- | 21.89B/---- | 21.89B/---- | ---- | 21.47 | + 1.32 | .9988 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6000 | ---- | ---- | 17.88B/---- | 17.88B/---- | ---- | 17.48 | + 1.31 | .9936 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 6100 | ---- | ---- | 16.90B/---- | 16.90B/---- | ---- | 16.48 | + 1.31 | .9932 | ---- | ---- | ---- | ---- | 2100 | UNCH |
| 6300 | ---- | ---- | 14.90B/---- | 14.90B/---- | ---- | 14.50 | + 1.30 | .9866 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6350 | ---- | ---- | 14.42B/---- | 14.42B/---- | ---- | 14.00 | + 1.30 | .9862 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 6450 | ---- | ---- | 13.44B/---- | 13.44B/---- | ---- | 13.01 | + 1.29 | .9825 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 6500 | ---- | ---- | 12.94B/---- | 12.94B/---- | ---- | 12.52 | + 1.29 | .9791 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6550 | ---- | ---- | 12.44B/---- | 12.44B/---- | ---- | 12.03 | + 1.29 | .9757 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6600 | ---- | ---- | 11.96B/---- | 11.96B/---- | ---- | 11.54 | + 1.28 | .9722 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6700 | ---- | ---- | 10.98B/---- | 10.98B/---- | ---- | 10.56 | + 1.26 | .9647 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 6750 | ---- | ---- | 10.50B/---- | 10.50B/---- | ---- | 10.08 | + 1.26 | .9582 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 6800 | ---- | ---- | 10.09B/---- | 10.09B/---- | ---- | 9.60 | + 1.25 | .9516 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| 6900 | ---- | ---- | 9.13B/---- | 9.13B/---- | ---- | 8.65 | + 1.23 | .9352 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 7000 | ---- | ---- | 8.19B/---- | 8.19B/---- | ---- | 7.71 | + 1.20 | .9154 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 7200 | ---- | ---- | 6.39B/---- | 6.39B/---- | ---- | 5.94 | + 1.13 | .8495 | ---- | ---- | ---- | ---- | 122 | UNCH |
| 7250 | ---- | ---- | 5.96B/---- | 5.96B/---- | ---- | 5.52 | + 1.10 | .8283 | ---- | ---- | ---- | ---- | 354 | UNCH |
| 7300 | ---- | ---- | 5.54B/---- | 5.54B/---- | ---- | 5.11 | + 1.07 | .8050 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7350 | ---- | ---- | 5.13B/---- | 5.13B/---- | ---- | 4.72 | + 1.04 | .7787 | ---- | ---- | ---- | ---- | 28 | UNCH |
| 7400 | ---- | ---- | 4.74B/---- | 4.74B/---- | ---- | 4.34 | + 1.00 | .7507 | ---- | ---- | ---- | ---- | 257 | UNCH |
| 7450 | ---- | ---- | 4.36B/---- | 4.36B/---- | ---- | 3.98 | + 0.96 | .7204 | ---- | ---- | ---- | ---- | 324 | UNCH |
| 7500 | ---- | ---- | 4.00B/---- | 4.00B/---- | ---- | 3.63 | + 0.92 | .6888 | ---- | ---- | ---- | ---- | 3050 | UNCH |
| 7550 | ---- | ---- | 3.66B/---- | 3.66B/---- | ---- | 3.31 | + 0.88 | .6547 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 7600 | ---- | ---- | 3.34B/---- | 3.34B/---- | ---- | 3.00 | + 0.84 | .6199 | ---- | ---- | ---- | ---- | 634 | UNCH |
| 7650 | ---- | ---- | 3.03B/---- | 3.03B/---- | ---- | 2.71 | + 0.80 | .5841 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 7700 | 2.22 | 2.22 | 2.74B/2.21A | 2.74B/2.21A | ---- | 2.44 | + 0.75 | .5477 | ---- | ---- | 685 | ---- | 732 | + 577 |
| 7750 | 1.88 | 1.88 | 2.49B/1.77A | 2.49B/1.77A | ---- | 2.19 | + 0.71 | .5110 | ---- | ---- | 10 | ---- | 815 | UNCH |
| 7800 | 1.58 | 1.58 | 2.24B/1.57A | 2.24B/1.57A | ---- | 1.96 | + 0.66 | .4746 | ---- | ---- | 10 | ---- | 725 | - 5 |
| 7850 | ---- | ---- | 2.01B/---- | 2.01B/---- | ---- | 1.75 | + 0.62 | .4388 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 7900 | ---- | ---- | 1.80B/---- | 1.80B/---- | ---- | 1.56 | + 0.58 | .4041 | ---- | ---- | ---- | ---- | 183 | UNCH |
| 7950 | ---- | ---- | 1.60B/---- | 1.60B/---- | ---- | 1.38 | + 0.53 | .3700 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 8000 | 1.41 | 1.41 | 1.43B/1.12A | 1.43B/1.12A | ---- | 1.23 | + 0.49 | .3384 | ---- | ---- | 5 | 500 | 16774 | + 295 |
| 8050 | ---- | ---- | 1.27B/---- | 1.27B/---- | ---- | 1.09 | + 0.46 | .3081 | ---- | ---- | ---- | ---- | 126 | UNCH |
| 8100 | 1.02 | 1.02 | 1.12B/0.87A | 1.12B/0.87A | ---- | 0.97 | + 0.43 | .2803 | ---- | ---- | 5 | ---- | 429 | + 5 |
| 8150 | ---- | ---- | 0.99B/---- | 0.99B/---- | ---- | 0.85 | + 0.38 | .2527 | ---- | ---- | ---- | ---- | 67 | UNCH |
| 8200 | ---- | ---- | 0.88B/---- | 0.88B/---- | ---- | 0.75 | + 0.35 | .2280 | ---- | ---- | ---- | ---- | 806 | UNCH |
| 8250 | 0.61 | 0.61 | 0.78B/0.60A | 0.78B/0.60A | ---- | 0.67 | + 0.32 | .2066 | ---- | ---- | 50 | ---- | 116 | + 30 |
| 8300 | 0.62 | 0.62 | 0.69B/0.53A | 0.69B/0.53A | ---- | 0.59 | + 0.29 | .1856 | ---- | ---- | 5 | ---- | 920 | + 5 |
| 8350 | 0.37 | 0.37 | 0.61B/0.37 | 0.61B/0.37 | ---- | 0.52 | + 0.26 | .1665 | ---- | ---- | 41 | ---- | 41 | + 8 |
| 8400 | ---- | ---- | 0.54B/---- | 0.54B/---- | ---- | 0.46 | + 0.23 | .1494 | ---- | ---- | ---- | 1000 | 1000 | + 650 |
| 8500 | 0.19 | 0.19 | 0.42B/0.19 | 0.42B/0.19 | ---- | 0.37 | + 0.20 | .1221 | ---- | ---- | 150 | ---- | 3121 | + 150 |
| 8550 | ---- | ---- | 0.38B/---- | 0.38B/---- | ---- | 0.33 | + 0.18 | .1099 | ---- | ---- | ---- | ---- | 49 | UNCH |
| 8650 | 0.18 | 0.18 | 0.30B/0.18 | 0.30B/0.18 | ---- | 0.27 | NEW | .0905 | ---- | ---- | 30 | ---- | 25 | + 25 |
| 8700 | ---- | ---- | 0.27B/---- | 0.27B/---- | ---- | 0.24 | + 0.13 | .0811 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 8750 | ---- | ---- | 0.25B/---- | 0.25B/---- | ---- | 0.22 | + 0.12 | .0743 | ---- | ---- | ---- | ---- | 48 | UNCH |
| 8800 | ---- | ---- | 0.23B/---- | 0.23B/---- | ---- | 0.20 | + 0.11 | .0676 | ---- | ---- | ---- | ---- | 74 | UNCH |
| 8850 | 0.21 | 0.21 | 0.21/0.17A | 0.21/0.17A | ---- | 0.18 | + 0.10 | .0611 | ---- | ---- | 50 | ---- | 50 | + 2 |
| 8900 | ---- | ---- | 0.19B/---- | 0.19B/---- | ---- | 0.17 | + 0.10 | .0571 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 8950 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.15 | + 0.09 | .0509 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 9000 | ---- | ---- | 0.16B/---- | 0.16B/---- | ---- | 0.14 | + 0.08 | .0472 | ---- | ---- | ---- | ---- | 2874 | UNCH |
| 9050 | ---- | ---- | 0.14B/---- | 0.14B/---- | ---- | 0.13 | + 0.08 | .0436 | ---- | ---- | ---- | ---- | 106 | UNCH |
| 9100 | ---- | ---- | 0.13B/---- | 0.13B/---- | ---- | 0.12 | + 0.07 | .0402 | ---- | ---- | ---- | ---- | 100 | UNCH |

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## FINAL



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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BZO CALL | | BRENT CRUDE OIL FUT MARGIN OPT | | | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | | | |
| 9300 | ---- | ---- | 0.09B/---- | 0.09B/---- | ---- | 0.08 | + | 0.04 | .0271 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 9350 | 0.08 | 0.08 | 0.08/0.08 | 0.08/0.08 | ---- | 0.08 | | NEW | .0265 | ---- | ---- | 87 | ---- | 87 | + 87 |
| 9500 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.06 | + | 0.03 | .0200 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9600 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.05 | + | 0.02 | .0167 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 9650 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.05 | + | 0.02 | .0164 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 9700 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.05 | + | 0.03 | .0161 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 9750 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.05 | + | 0.03 | .0158 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 9800 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.04 | + | 0.02 | .0130 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 9900 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.04 | + | 0.02 | .0126 | ---- | ---- | ---- | ---- | 154 | UNCH |
| 10150 | ---- | ---- | ---- | ---- | ---- | 0.03 | + | 0.01 | .0092 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 11300 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0011 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 11450 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0008 | ---- | ---- | ---- | ---- | 196 | UNCH |
| 11600 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0005 | ---- | ---- | ---- | ---- | 160 | UNCH |
| 12150 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 317 | UNCH |
| 12550 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 149 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 134 | UNCH |
| TOTAL | | | | | | | | | | | | 1128 | 1500 | 43660 | + 1829 |
| OCT18 | | | | | | | | | | | | | | | |
| 6400 | ---- | ---- | 13.73B/---- | 13.73B/---- | ---- | 13.39 | + | 1.30 | .9478 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 6500 | ---- | ---- | 12.78B/---- | 12.78B/---- | ---- | 12.44 | + | 1.29 | .9365 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 6800 | ---- | ---- | 10.10B/---- | 10.10B/---- | ---- | 9.68 | + | 1.23 | .8856 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 6850 | ---- | ---- | 9.66B/---- | 9.66B/---- | ---- | 9.24 | + | 1.21 | .8738 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 7000 | ---- | ---- | 8.36B/---- | 8.36B/---- | ---- | 7.96 | + | 1.17 | .8326 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 7100 | ---- | ---- | 7.53B/---- | 7.53B/---- | ---- | 7.14 | + | 1.13 | .8005 | ---- | ---- | ---- | ---- | 800 | UNCH |
| 7200 | ---- | ---- | 6.74B/---- | 6.74B/---- | ---- | 6.36 | + | 1.08 | .7638 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 7250 | ---- | ---- | 6.36B/---- | 6.36B/---- | ---- | 5.99 | + | 1.07 | .7436 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 7400 | ---- | ---- | 5.28B/---- | 5.28B/---- | ---- | 4.95 | + | 0.99 | .6775 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 7450 | ---- | ---- | 4.94B/---- | 4.94B/---- | ---- | 4.62 | + | 0.96 | .6542 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 7500 | ---- | ---- | 4.62B/---- | 4.62B/---- | ---- | 4.31 | + | 0.93 | .6299 | ---- | ---- | ---- | ---- | 259 | UNCH |
| 7550 | ---- | ---- | 4.31B/---- | 4.31B/---- | ---- | 4.01 | + | 0.90 | .6052 | ---- | ---- | ---- | ---- | 325 | UNCH |
| 7650 | ---- | ---- | 3.73B/---- | 3.73B/---- | ---- | 3.45 | + | 0.84 | .5544 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7700 | ---- | ---- | 3.48B/---- | 3.48B/---- | ---- | 3.20 | | NEW | .5287 | ---- | ---- | ---- | 100 | 100 | + 100 |
| 7750 | ---- | ---- | 3.22B/---- | 3.22B/---- | ---- | 2.96 | + | 0.79 | .5030 | ---- | ---- | ---- | 150 | 300 | + 150 |
| 7800 | ---- | ---- | 2.98B/---- | 2.98B/---- | ---- | 2.73 | + | 0.76 | .4774 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 8000 | ---- | ---- | 2.14B/---- | 2.14B/---- | ---- | 1.95 | + | 0.63 | .3785 | ---- | ---- | ---- | ---- | 251 | UNCH |
| 8200 | ---- | ---- | 1.52B/---- | 1.52B/---- | ---- | 1.37 | + | 0.51 | .2906 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 8300 | ---- | ---- | 1.27B/---- | 1.27B/---- | ---- | 1.14 | + | 0.45 | .2518 | ---- | ---- | ---- | ---- | 800 | UNCH |
| 8500 | 0.75 | 0.75 | 0.89B/0.75 | 0.89B/0.75 | ---- | 0.81 | + | 0.35 | .1891 | ---- | ---- | 100 | ---- | 611 | + 100 |
| 8800 | ---- | ---- | 0.54B/---- | 0.54B/---- | ---- | 0.49 | + | 0.23 | .1216 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 8850 | ---- | ---- | 0.50B/---- | 0.50B/---- | ---- | 0.45 | + | 0.21 | .1127 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 8900 | ---- | ---- | 0.46B/---- | 0.46B/---- | ---- | 0.42 | + | 0.20 | .1055 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 8950 | ---- | ---- | 0.43B/---- | 0.43B/---- | ---- | 0.39 | + | 0.19 | .0985 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 9000 | ---- | ---- | 0.40B/---- | 0.40B/---- | ---- | 0.36 | + | 0.17 | .0915 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9100 | 0.24 | 0.24 | 0.34B/0.24 | 0.34B/0.24 | ---- | 0.31 | | NEW | .0795 | ---- | ---- | 55 | ---- | 55 | + 55 |
| 9200 | ---- | ---- | 0.30B/---- | 0.30B/---- | ---- | 0.27 | + | 0.13 | .0696 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 9350 | ---- | ---- | 0.24B/---- | 0.24B/---- | ---- | 0.22 | + | 0.10 | .0572 | ---- | ---- | ---- | ---- | 123 | UNCH |
| 9450 | ---- | ---- | 0.21B/---- | 0.21B/---- | ---- | 0.20 | + | 0.10 | .0516 | ---- | ---- | ---- | ---- | 24 | UNCH |
| 9500 | ---- | ---- | 0.20B/---- | 0.20B/---- | ---- | 0.18 | + | 0.09 | .0470 | ---- | ---- | ---- | ---- | 57 | UNCH |
| 9800 | ---- | ---- | 0.14B/---- | 0.14B/---- | ---- | 0.12 | + | 0.05 | .0318 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 10000 | ---- | ---- | 0.12B/---- | 0.12B/---- | ---- | 0.10 | + | 0.05 | .0261 | ---- | ---- | ---- | 175 | 700 | - 175 |
| 10300 | ---- | ---- | 0.08B/---- | 0.08B/---- | ---- | 0.07 | + | 0.03 | .0184 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10600 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.05 | + | 0.01 | .0131 | ---- | ---- | ---- | ---- | 99 | UNCH |
| 11200 | ---- | ---- | ---- | ---- | ---- | 0.03 | | UNCH | .0077 | ---- | ---- | ---- | ---- | 286 | UNCH |
| 11600 | ---- | ---- | ---- | ---- | ---- | 0.02 | | UNCH | .0051 | ---- | ---- | ---- | ---- | 149 | UNCH |
| 12150 | ---- | ---- | ---- | ---- | ---- | 0.01 | - | 0.01 | .0016 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 13750 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 214 | UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 155 | 425 | 9665 | + 230 |
| NOV18 | | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | 12.72B/---- | 12.72B/---- | ---- | 12.42 | + | 1.25 | .9027 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 6750 | ---- | ---- | 10.62B/---- | 10.62B/---- | ---- | 10.22 | + | 1.19 | .8542 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 7700 | ---- | ---- | 3.97B/---- | 3.97B/---- | ---- | 3.70 | | NEW | .5199 | ---- | ---- | ---- | 150 | 150 | + 150 |
| 8000 | ---- | ---- | 2.64B/---- | 2.64B/---- | ---- | 2.45 | + | 0.66 | .3949 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 8400 | ---- | ---- | 1.48B/---- | 1.48B/---- | ---- | 1.38 | + | 0.47 | .2553 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 8450 | ---- | ---- | 1.37B/---- | 1.37B/---- | ---- | 1.28 | + | 0.44 | .2405 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 8500 | ---- | ---- | 1.27B/---- | 1.27B/---- | ---- | 1.19 | + | 0.42 | .2267 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 8850 | ---- | ---- | 0.77B/---- | 0.77B/---- | ---- | 0.72 | + | 0.28 | .1483 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 9500 | ---- | ---- | 0.35B/---- | 0.35B/---- | ---- | 0.32 | + | 0.13 | .0704 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 9750 | ---- | ---- | 0.27B/---- | 0.27B/---- | ---- | 0.24 | + | 0.09 | .0536 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 9850 | ---- | ---- | 0.24B/---- | 0.24B/---- | ---- | 0.22 | + | 0.09 | .0490 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 9900 | ---- | ---- | 0.23B/---- | 0.23B/---- | ---- | 0.21 | + | 0.09 | .0467 | ---- | ---- | ---- | ---- | 66 | UNCH |
| TOTAL | | | | | | | | | | | | | 150 | 3838 | + 150 |
| DEC18 | | | | | | | | | | | | | | | |
| 5100 | ---- | ---- | 25.97B/---- | 25.97B/---- | ---- | 25.65 | + | 1.34 | .9860 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 5200 | ---- | ---- | 25.00B/---- | 25.00B/---- | ---- | 24.67 | + | 1.34 | .9827 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 5400 | ---- | ---- | 23.02B/---- | 23.02B/---- | ---- | 22.71 | + | 1.33 | .9759 | ---- | ---- | ---- | ---- | 800 | UNCH |
| 5500 | ---- | ---- | 22.05B/---- | 22.05B/---- | ---- | 21.74 | + | 1.33 | .9711 | ---- | ---- | ---- | ---- | 1200 | UNCH |
| 5550 | ---- | ---- | 21.57B/---- | 21.57B/---- | ---- | 21.25 | + | 1.32 | .9693 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5700 | ---- | ---- | 20.12B/---- | 20.12B/---- | ---- | 19.81 | + | 1.32 | .9599 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6000 | ---- | ---- | 17.27B/---- | 17.27B/---- | ---- | 16.97 | + | 1.31 | .9353 | ---- | ---- | ---- | ---- | 3025 | UNCH |
| 6050 | ---- | ---- | 16.80B/---- | 16.80B/---- | ---- | 16.50 | + | 1.30 | .9307 | ---- | ---- | ---- | ---- | 202 | UNCH |
| 6100 | ---- | ---- | 16.34B/---- | 16.34B/---- | ---- | 16.04 | + | 1.30 | .9249 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6150 | ---- | ---- | 15.86B/---- | 15.86B/---- | ---- | 15.58 | + | 1.29 | .9190 | ---- | ---- | ---- | ---- | 301 | UNCH |
| 6200 | ---- | ---- | 15.40B/---- | 15.40B/---- | ---- | 15.12 | + | 1.28 | .9131 | ---- | ---- | ---- | ---- | 1105 | UNCH |
| 6250 | ---- | ---- | 14.95B/---- | 14.95B/---- | ---- | 14.67 | + | 1.28 | .9062 | ---- | ---- | ---- | ---- | 505 | UNCH |
| 6300 | ---- | ---- | 14.50B/---- | 14.50B/---- | ---- | 14.22 | + | 1.27 | .8991 | ---- | ---- | ---- | ---- | 705 | UNCH |
| 6350 | ---- | ---- | 14.05B/---- | 14.05B/---- | ---- | 13.77 | + | 1.26 | .8920 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 6400 | ---- | ---- | 13.61B/---- | 13.61B/---- | ---- | 13.33 | + | 1.25 | .8838 | ---- | ---- | ---- | ---- | 509 | UNCH |
| 6450 | ---- | ---- | 13.17B/---- | 13.17B/---- | ---- | 12.89 | + | 1.24 | .8756 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 6500 | ---- | ---- | 12.70B/---- | 12.70B/---- | ---- | 12.46 | + | 1.23 | .8665 | ---- | ---- | ---- | ---- | 2075 | UNCH |
| 6550 | ---- | ---- | 12.27B/---- | 12.27B/---- | ---- | 12.04 | + | 1.23 | .8565 | ---- | ---- | ---- | ---- | 800 | UNCH |
| 6600 | ---- | ---- | 11.85B/---- | 11.85B/---- | ---- | 11.61 | + | 1.21 | .8471 | ---- | ---- | ---- | ---- | 501 | UNCH |
| 6650 | ---- | ---- | 11.44B/---- | 11.44B/---- | ---- | 11.20 | + | 1.21 | .8362 | ---- | ---- | ---- | ---- | 1200 | UNCH |
| 6700 | ---- | ---- | 11.16B/---- | 11.16B/---- | ---- | 10.79 | + | 1.19 | .8252 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 6750 | ---- | ---- | 10.75B/---- | 10.75B/---- | ---- | 10.38 | + | 1.18 | .8140 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 7000 | ---- | ---- | 8.80B/---- | 8.80B/---- | ---- | 8.46 | + | 1.12 | .7486 | ---- | ---- | ---- | ---- | 2725 | UNCH |
| 7300 | ---- | ---- | 6.71B/---- | 6.71B/---- | ---- | 6.40 | + | 1.01 | .6550 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| 7500 | ---- | ---- | 5.48B/---- | 5.48B/---- | ---- | 5.21 | + | 0.93 | .5853 | ---- | ---- | ---- | ---- | 1798 | UNCH |
| 7550 | ---- | ---- | 5.20B/---- | 5.20B/---- | ---- | 4.94 | + | 0.91 | .5673 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 7650 | ---- | ---- | 4.68B/---- | 4.68B/---- | ---- | 4.43 | + | 0.87 | .5311 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 7800 | ---- | ---- | 3.94B/---- | 3.94B/---- | ---- | 3.74 | + | 0.81 | .4768 | ---- | ---- | ---- | ---- | 375 | UNCH |
| 7850 | ---- | ---- | 3.72B/---- | 3.72B/---- | ---- | 3.52 | + | 0.79 | .4587 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 8000 | ---- | ---- | 3.11B/---- | 3.11B/---- | ---- | 2.94 | + | 0.72 | .4060 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 8200 | ---- | ---- | 2.42B/---- | 2.42B/---- | ---- | 2.28 | + | 0.63 | .3393 | ---- | ---- | 50 | ---- | 200 | + 50 |
| 8500 | ---- | ---- | 1.65B/---- | 1.65B/---- | ---- | 1.55 | + | 0.48 | .2529 | ---- | ---- | ---- | ---- | 1103 | UNCH |
| 9000 | ---- | ---- | 0.89B/---- | 0.89B/---- | ---- | 0.84 | + | 0.30 | .1516 | ---- | ---- | ---- | ---- | 4300 | UNCH |
| 9500 | ---- | ---- | 0.51B/---- | 0.51B/---- | ---- | 0.49 | + | 0.20 | .0930 | ---- | ---- | ---- | ---- | 2200 | UNCH |
| 10000 | ---- | ---- | 0.31B/---- | 0.31B/---- | ---- | 0.30 | + | 0.13 | .0586 | ---- | ---- | ---- | ---- | 14050 | UNCH |
| 10500 | ---- | ---- | 0.20B/---- | 0.20B/---- | ---- | 0.20 | + | 0.09 | .0393 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 11250 | ---- | ---- | 0.11B/---- | 0.11B/---- | ---- | 0.11 | + | 0.04 | .0218 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | 50 | | 45869 | + 50 |
| JAN19 | | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 12.52 | + | 1.19 | .8354 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 7450 | ---- | ---- | ---- | ---- | ---- | 5.87 | + | 0.95 | .5870 | ---- | ---- | ---- | ---- | 225 | UNCH |
| TOTAL | | | | | | | | | | | | | | 425 | |
| FEB19 | | | | | | | | | | | | | | | |
| 7500 | ---- | ---- | ---- | ---- | ---- | 5.82 | + | 0.93 | .5597 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 3.59 | + | 0.70 | .4126 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| MAR19 | | | | | | | | | | | | | | | |
| 6400 | ---- | ---- | ---- | ---- | ---- | 13.43 | + | 1.06 | .8045 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 7.54 | + | 0.89 | .6165 | ---- | ---- | ---- | ---- | 200 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS

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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BZO CALL | | BRENT CRUDE OIL FUT MARGIN OPT | | | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | | | |
| 7500 | ---- | ---- | ---- | ---- | ---- | 6.13 | + 0.83 | .5504 | ---- | ---- | ---- | ---- | 650 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 3.90 | + 0.67 | .4152 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 2.37 | + 0.45 | .2924 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | 1250 | |
| JUN19 | | | | | | | | | | | | | | |
| 6400 | ---- | ---- | ---- | ---- | ---- | 13.48 | + 0.83 | .7575 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 12.77 | + 0.82 | .7397 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 10.74 | + 0.80 | .6825 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 7.99 | + 0.73 | .5873 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 7350 | ---- | ---- | ---- | ---- | ---- | 7.44 | + 0.72 | .5648 | ---- | ---- | ---- | ---- | 900 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 6.65 | + 0.67 | .5303 | ---- | ---- | ---- | ---- | 825 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 4.46 | + 0.54 | .4146 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 3.48 | + 0.48 | .3497 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 1.31 | + 0.23 | .1629 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | 4825 | |
| DEC19 | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 12.69 | + 0.64 | .6866 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 5.07 | + 0.45 | .4080 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 3.55 | + 0.36 | .3196 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 2.54 | + 0.26 | .2478 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 1.87 | + 0.19 | .1929 | ---- | ---- | ---- | ---- | 8000 | UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 1.12 | + 0.15 | .1225 | ---- | ---- | ---- | ---- | 12000 | UNCH |
| TOTAL | | | | | | | | | | | | | 24500 | |
| BZO PUT | | BRENT CRUDE OIL FUT MARGIN OPT | | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | |
| 7250 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7350 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.00 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7650 | ---- | ---- | ---- | ---- | ---- | 0.19 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 0.69 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 1.19 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 1.69 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7850 | ---- | ---- | ---- | ---- | ---- | 2.19 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 2.69 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 7950 | ---- | ---- | ---- | ---- | ---- | 3.19 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 3.69 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 8050 | ---- | ---- | ---- | ---- | ---- | 4.19 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 8250 | ---- | ---- | ---- | ---- | ---- | 6.19 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| TOTAL | | | | | | | | | | | | | 0 | |
| SEP18 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 400 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1800 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 1650 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0006 | ---- | ---- | ---- | ---- | 2300 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0025 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0032 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 5950 | ---- | ---- | ----/*0.02A | ----/*0.02A | ---- | 0.02 | - 0.01 | .0062 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0064 | ---- | ---- | ---- | ---- | 1696 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0065 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0099 | ---- | ---- | ---- | ---- | 255 | UNCH |
| 6250 | ---- | ---- | ----/*0.04A | ----/*0.04A | ---- | 0.03 | - 0.02 | .0102 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 6300 | ---- | ---- | ----/*0.04A | ----/*0.04A | ---- | 0.04 | - 0.02 | .0133 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6350 | ---- | ---- | ----/*0.05A | ----/*0.05A | ---- | 0.04 | - 0.02 | .0137 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 6400 | ---- | ---- | ----/*0.05A | ----/*0.05A | ---- | 0.05 | - 0.02 | .0169 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 6450 | ---- | ---- | ----/*0.06A | ----/*0.06A | ---- | 0.05 | - 0.03 | .0175 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6500 | ---- | ---- | ----/*0.07A | ----/*0.07A | ---- | 0.06 | - 0.03 | .0208 | ---- | ---- | ---- | ---- | 2176 | UNCH |
| 6550 | ---- | ---- | ----/*0.07A | ----/*0.07A | ---- | 0.07 | - 0.03 | .0242 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6600 | ---- | ---- | ----/*0.08A | ----/*0.08A | ---- | 0.08 | - 0.04 | .0277 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 6650 | ---- | ---- | ----/*0.09A | ----/*0.09A | ---- | 0.09 | - 0.04 | .0314 | ---- | ---- | ---- | ---- | 54 | UNCH |
| 6700 | ---- | ---- | ----/*0.10A | ----/*0.10A | ---- | 0.10 | - 0.06 | .0352 | ---- | ---- | ---- | ---- | 1537 | UNCH |
| 6750 | ---- | ---- | ----/*0.12A | ----/*0.12A | ---- | 0.12 | - 0.06 | .0417 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 6800 | ---- | ---- | ----/*0.13A | ----/*0.13A | ---- | 0.14 | - 0.07 | .0483 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 6850 | ---- | ---- | ----/*0.15A | ----/*0.15A | ---- | 0.16 | - 0.08 | .0552 | ---- | ---- | ---- | ---- | 27 | UNCH |
| 6900 | ---- | ---- | ----/*0.17A | ----/*0.17A | ---- | 0.19 | - 0.09 | .0647 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 6950 | ---- | ---- | ----/*0.20A | ----/*0.20A | ---- | 0.22 | - 0.10 | .0744 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7000 | 0.26 | 0.26 | 0.29B/*0.23A | 0.29B/*0.23A | ---- | 0.25 | - 0.12 | .0845 | ---- | ---- | 5 | ---- | 1410 | + 5 |
| 7100 | ---- | ---- | ----/*0.32A | ----/*0.32A | ---- | 0.35 | - 0.15 | .1140 | ---- | ---- | ---- | ---- | 1198 | UNCH |
| 7150 | ---- | ---- | ----/*0.37A | ----/*0.37A | ---- | 0.41 | - 0.17 | .1311 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 7200 | 0.49 | 0.49 | 0.54B/*0.43A | 0.54B/*0.43A | ---- | 0.48 | - 0.19 | .1504 | ---- | ---- | 10 | ---- | 453 | UNCH |
| 7250 | 0.55 | 0.55 | 0.63B/*0.50A | 0.63B/*0.50A | ---- | 0.56 | - 0.22 | .1717 | ---- | ---- | 10 | ---- | 644 | UNCH |
| 7300 | 0.80 | 0.80 | 0.80/*0.58A | 0.80/*0.58A | ---- | 0.65 | - 0.25 | .1949 | ---- | ---- | 5 | 500 | 759 | + 170 |
| 7350 | ---- | ---- | ----/*0.68A | ----/*0.68A | ---- | 0.76 | - 0.28 | .2213 | ---- | ---- | ---- | ---- | 76 | UNCH |
| 7400 | ---- | ---- | ----/*0.79A | ----/*0.79A | ---- | 0.88 | - 0.32 | .2492 | ---- | ---- | 300 | ---- | 783 | UNCH |
| 7450 | ---- | ---- | ----/*0.91A | ----/*0.91A | ---- | 1.02 | - 0.36 | .2795 | ---- | ---- | ---- | ---- | 39 | UNCH |
| 7500 | ---- | ---- | ----/*1.05A | ----/*1.05A | ---- | 1.17 | - 0.40 | .3112 | ---- | ---- | ---- | 150 | 1434 | + 100 |
| 7550 | ---- | ---- | ----/*1.21A | ----/*1.21A | ---- | 1.35 | - 0.44 | .3452 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 7600 | ---- | ---- | ----/*1.39A | ----/*1.39A | ---- | 1.54 | - 0.48 | .3800 | ---- | ---- | ---- | ---- | 359 | UNCH |
| 7650 | ---- | ---- | ----/*1.59A | ----/*1.59A | ---- | 1.75 | - 0.52 | .4158 | ---- | ---- | ---- | ---- | 67 | UNCH |
| 7700 | ---- | ---- | ----/*1.80A | ----/*1.80A | ---- | 1.98 | - 0.57 | .4522 | ---- | ---- | 840 | 500 | 1530 | + 1293 |
| 7800 | ---- | ---- | ----/*2.28A | ----/*2.28A | ---- | 2.50 | - 0.66 | .5253 | ---- | ---- | ---- | ---- | 321 | UNCH |
| 7850 | ---- | ---- | ----/*2.55A | ----/*2.55A | ---- | 2.79 | - 0.70 | .5611 | ---- | ---- | ---- | ---- | 68 | UNCH |
| 7900 | ---- | ---- | ----/*2.85A | ----/*2.85A | ---- | 3.10 | - 0.74 | .5958 | ---- | ---- | ---- | ---- | 233 | UNCH |
| 7950 | ---- | ---- | ----/*3.15A | ----/*3.15A | ---- | 3.42 | - 0.79 | .6299 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 8000 | ---- | ---- | ----/*3.48A | ----/*3.48A | ---- | 3.77 | - 0.83 | .6615 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 8050 | ---- | ---- | ----/3.83A | ----/3.83A | ---- | 4.13 | - 0.86 | .6918 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 8100 | ---- | ---- | ----/4.18A | ----/4.18A | ---- | 4.51 | - 0.89 | .7196 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | 1170 | 1150 | 24761 | + 1568 |
| OCT18 | | | | | | | | | | | | | | |
| 5350 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0069 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.04 | UNCH | .0091 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .0093 | ---- | ---- | ---- | ---- | 625 | UNCH |
| 5950 | ---- | ---- | ----/*0.09A | ----/*0.09A | ---- | 0.09 | - 0.02 | .0215 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 6050 | ---- | ---- | ----/*0.11A | ----/*0.11A | ---- | 0.11 | - 0.02 | .0263 | ---- | ---- | ---- | ---- | 91 | UNCH |
| 6150 | ---- | ---- | ----/*0.13A | ----/*0.13A | ---- | 0.13 | - 0.03 | .0313 | ---- | ---- | ---- | ---- | 71 | UNCH |
| 6200 | ---- | ---- | ----/*0.14A | ----/*0.14A | ---- | 0.15 | - 0.02 | .0356 | ---- | ---- | 200 | ---- | 200 | UNCH |
| 6400 | ---- | ---- | ----/*0.20A | ----/*0.20A | ---- | 0.22 | - 0.04 | .0521 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 6450 | ---- | ---- | ----/*0.23A | ----/*0.23A | ---- | 0.25 | - 0.04 | .0585 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6500 | ---- | ---- | ----/*0.25A | ----/*0.25A | ---- | 0.27 | - 0.05 | .0634 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 6550 | ---- | ---- | ----/*0.28A | ----/*0.28A | ---- | 0.30 | - 0.06 | .0701 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 6600 | ---- | ---- | ----/*0.31A | ----/*0.31A | ---- | 0.34 | - 0.06 | .0783 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6800 | ---- | ---- | ----/*0.48A | ----/*0.48A | ---- | 0.51 | - 0.11 | .1144 | ---- | ---- | 100 | ---- | 241 | - 9 |
| 6900 | ---- | ---- | ----/*0.59A | ----/*0.59A | ---- | 0.64 | - 0.14 | .1393 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6950 | ---- | ---- | ----/*0.66A | ----/*0.66A | ---- | 0.71 | - 0.16 | .1526 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7000 | ---- | ---- | ----/*0.74A | ----/*0.74A | ---- | 0.79 | - 0.17 | .1673 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 7250 | ---- | ---- | ----/*1.24A | ----/*1.24A | ---- | 1.32 | - 0.27 | .2563 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7300 | ---- | ---- | ----/*1.37A | ----/*1.37A | ---- | 1.46 | - 0.30 | .2774 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 7450 | ---- | ---- | ----/*1.83A | ----/*1.83A | ---- | 1.95 | - 0.38 | .3458 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7500 | ---- | ---- | ----/*2.00A | ----/*2.00A | ---- | 2.14 | - 0.41 | .3700 | ---- | ---- | ---- | 150 | 359 | + 140 |
| 7550 | ---- | ---- | ----/*2.19A | ----/*2.19A | ---- | 2.34 | - 0.44 | .3947 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7600 | ---- | ---- | ----/*2.40A | ----/*2.40A | ---- | 2.55 | - 0.47 | .4199 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 7750 | ---- | ---- | ----/*3.09A | ----/*3.09A | ---- | 3.29 | NEW | .4969 | ---- | ---- | ---- | 150 | 150 | + 150 |
| 7850 | ---- | ---- | ----/*3.62A | ----/*3.62A | ---- | 3.84 | - 0.62 | .5480 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | 300 | 300 | 3778 | + 281 |
| NOV18 | | | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6100 | ---- | ---- | ----/*0.24A | ----/*0.24A | ---- | 0.24 | - 0.05 | .0477 | ---- | ---- | ---- | ---- | 500 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BZO PUT | | BRENT CRUDE OIL FUT MARGIN OPT | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | |
| 6500 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.52 - 0.09 | .0972 | ---- | ---- | ---- | ---- | 100 UNCH |
| 6600 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.62 - 0.12 | .1141 | ---- | ---- | ---- | ---- | 250 UNCH |
| 6800 | ---- | ---- | ----/*0.86A | ----/*0.86A | ---- | 0.90 - 0.16 | .1577 | ---- | ---- | ---- | ---- | 100 UNCH |
| 7300 | ---- | ---- | ----/*2.02A | ----/*2.02A | ---- | 2.11 - 0.33 | .3155 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7700 | ---- | ---- | ----/*3.63A | ----/*3.63A | ---- | 3.80 NEW | .4800 | ---- | ---- | ---- | 150 | 150 + 150 |
| TOTAL | | | | | | | | | | | 150 | 1550 + 150 |
| DEC18 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 250 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0007 | ---- | ---- | ---- | ---- | 3050 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.02 - 0.01 | .0037 | ---- | ---- | ---- | ---- | 800 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.04 UNCH | .0070 | ---- | ---- | ---- | ---- | 150 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0072 | ---- | ---- | ---- | ---- | 500 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.07 UNCH | .0121 | ---- | ---- | ---- | ---- | 3075 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.08 - 0.01 | .0140 | ---- | ---- | ---- | ---- | 65 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.12 - 0.01 | .0205 | ---- | ---- | ---- | ---- | 700 UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 0.13 - 0.01 | .0222 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5500 | ---- | ---- | ----/*0.18A | ----/*0.18A | ---- | 0.17 - 0.02 | .0288 | ---- | ---- | ---- | ---- | 1985 UNCH |
| 5700 | ---- | ---- | ----/*0.24A | ----/*0.24A | ---- | 0.24 - 0.03 | .0400 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5800 | ---- | ---- | ----/*0.29A | ----/*0.29A | ---- | 0.28 - 0.04 | .0465 | ---- | ---- | ---- | ---- | 450 UNCH |
| 5900 | ---- | ---- | ----/*0.33A | ----/*0.33A | ---- | 0.34 - 0.04 | .0554 | ---- | ---- | ---- | ---- | 700 UNCH |
| 5950 | ---- | ---- | ----/*0.36A | ----/*0.36A | ---- | 0.37 - 0.04 | .0600 | ---- | ---- | ---- | ---- | 300 UNCH |
| 6000 | ---- | ---- | ----/*0.39A | ----/*0.39A | ---- | 0.40 - 0.04 | .0646 | ---- | ---- | ---- | ---- | 2300 UNCH |
| 6050 | ---- | ---- | ----/*0.43A | ----/*0.43A | ---- | 0.43 - 0.05 | .0692 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6100 | ---- | ---- | ----/*0.46A | ----/*0.46A | ---- | 0.47 - 0.05 | .0750 | ---- | ---- | ---- | ---- | 700 UNCH |
| 6150 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.51 - 0.06 | .0809 | ---- | ---- | ---- | ---- | 1 UNCH |
| 6200 | ---- | ---- | ----/*0.54A | ----/*0.54A | ---- | 0.55 - 0.07 | .0868 | ---- | ---- | ---- | ---- | 500 UNCH |
| 6250 | ---- | ---- | ----/*0.59A | ----/*0.59A | ---- | 0.60 - 0.07 | .0938 | ---- | ---- | ---- | ---- | 200 UNCH |
| 6300 | ---- | ---- | ----/*0.63A | ----/*0.63A | ---- | 0.65 - 0.08 | .1008 | ---- | ---- | ---- | ---- | 100 UNCH |
| 6350 | ---- | ---- | ----/*0.69A | ----/*0.69A | ---- | 0.70 - 0.09 | .1079 | ---- | ---- | ---- | ---- | 250 UNCH |
| 6400 | ---- | ---- | ----/*0.74A | ----/*0.74A | ---- | 0.76 - 0.10 | .1161 | ---- | ---- | ---- | ---- | 9 UNCH |
| 6500 | ---- | ---- | ----/*0.87A | ----/*0.87A | ---- | 0.89 - 0.12 | .1334 | ---- | ---- | ---- | ---- | 2235 UNCH |
| 6600 | ---- | ---- | ----/*1.01A | ----/*1.01A | ---- | 1.04 - 0.14 | .1528 | ---- | ---- | ---- | ---- | 101 UNCH |
| 6650 | ---- | ---- | ----/*1.09A | ----/*1.09A | ---- | 1.13 - 0.14 | .1637 | ---- | ---- | ---- | ---- | 150 UNCH |
| 6800 | ---- | ---- | ----/*1.37A | ----/*1.37A | ---- | 1.42 - 0.17 | .1984 | ---- | ---- | ---- | ---- | 300 UNCH |
| 7000 | ---- | ---- | ----/*1.82A | ----/*1.82A | ---- | 1.89 - 0.23 | .2513 | ---- | ---- | ---- | ---- | 3150 UNCH |
| 7200 | ---- | ---- | ----/*2.40A | ----/*2.40A | ---- | 2.48 - 0.30 | .3119 | ---- | ---- | 50 | ---- | 23 - 27 |
| 7250 | ---- | ---- | ----/*2.56A | ----/*2.56A | ---- | 2.65 - 0.32 | .3282 | ---- | ---- | ---- | ---- | 31 UNCH |
| 7350 | ---- | ---- | ----/*2.91A | ----/*2.91A | ---- | 3.02 - 0.36 | .3619 | ---- | ---- | ---- | ---- | 31 UNCH |
| 7400 | ---- | ---- | ----/*3.10A | ----/*3.10A | ---- | 3.22 - 0.38 | .3793 | ---- | ---- | ---- | ---- | 200 UNCH |
| 7500 | ---- | ---- | ----/*3.51A | ----/*3.51A | ---- | 3.64 - 0.42 | .4146 | ---- | ---- | ---- | ---- | 150 UNCH |
| 7750 | ---- | ---- | ----/*4.70A | ----/*4.70A | ---- | 4.89 - 0.52 | .5051 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | 50 | | 23058 - 27 |
| JAN19 | | | | | | | | | | | | |
| 6700 | ---- | ---- | ---- | ---- | ---- | 1.72 - 0.17 | .2066 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 |
| FEB19 | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.42 - 0.01 | .0550 | ---- | ---- | ---- | ---- | 300 UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 2.74 - 0.17 | .2771 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 400 |
| MAR19 | | | | | | | | | | | | |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.01 | .0255 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.29 UNCH | .0357 | ---- | ---- | ---- | ---- | 450 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.63 - 0.03 | .0719 | ---- | ---- | ---- | ---- | 950 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.73 - 0.04 | .0819 | ---- | ---- | ---- | ---- | 200 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 2.24 - 0.18 | .2140 | ---- | ---- | ---- | ---- | 250 UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 3.04 - 0.25 | .2755 | ---- | ---- | ---- | ---- | 100 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.68 - 0.29 | .3214 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 2250 |
| JUN19 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.35 - 0.01 | .0349 | ---- | ---- | ---- | ---- | 800 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.69 - 0.03 | .0650 | ---- | ---- | ---- | ---- | 1100 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 1.29 - 0.06 | .1124 | ---- | ---- | ---- | ---- | 150 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 2.21 - 0.17 | .1777 | ---- | ---- | ---- | ---- | 750 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 3.50 - 0.23 | .2602 | ---- | ---- | ---- | ---- | 1050 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 7.38 - 0.38 | .4696 | ---- | ---- | ---- | ---- | 300 UNCH |
| TOTAL | | | | | | | | | | | | 4150 |
| DEC19 | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0029 | ---- | ---- | ---- | ---- | 500 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.21 UNCH | .0183 | ---- | ---- | ---- | ---- | 400 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.47 UNCH | .0379 | ---- | ---- | ---- | ---- | 500 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.93 - 0.02 | .0690 | ---- | ---- | ---- | ---- | 500 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 1.65 - 0.04 | .1129 | ---- | ---- | ---- | ---- | 600 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.65 - 0.07 | .1686 | ---- | ---- | ---- | ---- | 300 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.56 - 0.11 | .3133 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 2900 |
| OS CALL | | BRENT CRUDE OIL OPTIONS | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 26.58 + 1.35 | .9878 | ---- | ---- | ---- | ---- | 24 UNCH |
| TOTAL | | | | | | | | | | | | 24 |
| OS PUT | | BRENT CRUDE OIL OPTIONS | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0003 | ---- | ---- | ---- | ---- | 24 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0072 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 0.75 - 0.11 | .1152 | ---- | ---- | ---- | ---- | 24 UNCH |
| TOTAL | | | | | | | | | | | | 1048 |
| BE CALL | | BRENT EURO STYLE OPTION | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 6600 | ---- | ---- | ---- | ---- | ---- | 11.52 + 1.28 | .9722 | ---- | ---- | ---- | ---- | 4047 UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 10.54 + 1.25 | .9647 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 9.11 + 1.24 | .9447 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 5.10 + 1.06 | .8050 | ---- | ---- | ---- | ---- | 5500 UNCH |
| 7350 | ---- | ---- | ---- | ---- | ---- | 4.71 + 1.03 | .7787 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 3.63 + 0.92 | .6888 | ---- | ---- | ---- | ---- | 1500 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.23 + 0.50 | .3384 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 0.96 + 0.42 | .2791 | ---- | ---- | ---- | 759 | 2000 UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 0.59 + 0.29 | .1856 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 8400 | ---- | ---- | ---- | ---- | ---- | 0.46 + 0.23 | .1494 | ---- | ---- | ---- | 2000 | 1000 - 1000 |
| TOTAL | | | | | | | | | | | 2759 | 22047 - 1000 |
| DEC18 | | | | | | | | | | | | |
| 6150 | ---- | ---- | ---- | ---- | ---- | 15.47 + 1.28 | .9200 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 13.68 + 1.25 | .8920 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 8.41 + 1.11 | .7491 | ---- | ---- | ---- | ---- | 464 UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 7.69 + 1.09 | .7196 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 7150 | ---- | ---- | ---- | ---- | ---- | 7.35 + 1.07 | .7042 | ---- | ---- | ---- | ---- | 2753 UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 6.36 + 1.00 | .6555 | ---- | ---- | ---- | ---- | 6000 UNCH |
| 7350 | ---- | ---- | ---- | ---- | ---- | 6.05 + 0.98 | .6384 | ---- | ---- | ---- | ---- | 5000 UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 5.75 + 0.97 | .6209 | ---- | ---- | ---- | ---- | 750 UNCH |
| 7450 | ---- | ---- | ---- | ---- | ---- | 5.46 + 0.94 | .6034 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 5.18 + 0.93 | .5855 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 3.30 + 0.76 | .4404 | ---- | ---- | ---- | ---- | 360 UNCH |
| 7950 | ---- | ---- | ---- | ---- | ---- | 3.10 + 0.74 | .4226 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 2.92 + 0.72 | .4053 | ---- | ---- | ---- | 1748 | 2198 - 1000 |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BE CALL | | BRENT EURO STYLE OPTION | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 8200 | ---- | ---- | ---- | ---- | ---- | 2.26 + 0.62 | .3382 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 8250 | ---- | ---- | ---- | ---- | ---- | 2.13 + 0.60 | .3232 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 8400 | ---- | ---- | ---- | ---- | ---- | 1.76 + 0.53 | .2795 | ---- | ---- | ---- | ---- | 3500 UNCH |
| 8650 | ---- | ---- | ---- | ---- | ---- | 1.28 + 0.42 | .2169 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 9400 | ---- | ---- | ---- | ---- | ---- | 0.54 + 0.21 | .1019 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.19 + 0.08 | .0378 | ---- | ---- | ---- | ---- | 653 UNCH |
| TOTAL | | | | | | | | | | | 1748 | 32678 - 1000 |
| MAR19 | | | | | | | | | | | | |
| 7150 | ---- | ---- | ---- | ---- | ---- | 8.05 + 0.90 | .6424 | ---- | ---- | ---- | ---- | 1543 UNCH |
| TOTAL | | | | | | | | | | | | 1543 |
| JUN19 | | | | | | | | | | | | |
| 7000 | ---- | ---- | ---- | ---- | ---- | 9.30 + 0.76 | .6421 | ---- | ---- | ---- | ---- | 3772 UNCH |
| TOTAL | | | | | | | | | | | | 3772 |
| DEC19 | | | | | | | | | | | | |
| 9000 | ---- | ---- | ---- | ---- | ---- | 2.46 + 0.25 | .2438 | ---- | ---- | ---- | ---- | 40 UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.86 + 0.13 | .0969 | ---- | ---- | ---- | ---- | 125 UNCH |
| TOTAL | | | | | | | | | | | | 165 |
| BE PUT | | BRENT EURO STYLE OPTION | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0006 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.02 - 0.01 | .0064 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.03 - 0.01 | .0099 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.02 | .0137 | ---- | ---- | ---- | ---- | 500 UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 0.08 - 0.04 | .0277 | ---- | ---- | ---- | ---- | 500 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.25 - 0.12 | .0845 | ---- | ---- | ---- | ---- | 1495 UNCH |
| TOTAL | | | | | | | | | | | | 11495 |
| NOV18 | | | | | | | | | | | | |
| 6650 | ---- | ---- | ---- | ---- | ---- | 0.68 - 0.12 | .1239 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| DEC18 | | | | | | | | | | | | |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0004 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.01 | .0019 | ---- | ---- | ---- | ---- | 500 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.02 - 0.01 | .0037 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.07 UNCH | .0121 | ---- | ---- | ---- | ---- | 908 UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 0.31 - 0.03 | .0509 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.55 - 0.06 | .0868 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 6250 | ---- | ---- | ---- | ---- | ---- | 0.59 - 0.08 | .0928 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 0.70 - 0.09 | .1079 | ---- | ---- | ---- | ---- | 1500 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.88 - 0.12 | .1326 | ---- | ---- | ---- | ---- | 320 UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 1.21 - 0.16 | .1741 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 1.31 - 0.16 | .1859 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 1.63 - 0.20 | .2233 | ---- | ---- | ---- | ---- | 2500 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 1.88 - 0.23 | .2508 | ---- | ---- | ---- | 3000 | 7000 + 3000 |
| TOTAL | | | | | | | | | | | 3000 | 23728 + 3000 |
| FEB19 | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.19 UNCH | .0262 | ---- | ---- | ---- | ---- | 795 UNCH |
| TOTAL | | | | | | | | | | | | 795 |
| MAR19 | | | | | | | | | | | | |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.64 NEW | ---- | ---- | ---- | ---- | 1000 | 1000 + 1000 |
| TOTAL | | | | | | | | | | | 1000 | 1000 + 1000 |
| WCI CALL | | CANADIAN HEAVY CRUDE OIL APO | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| -1350( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0011 | ---- | ---- | ---- | ---- | 210 UNCH |
| -1300( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0005 | ---- | ---- | ---- | ---- | 290 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| SEP18 | | | | | | | | | | | | |
| -1350( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0008 | ---- | ---- | ---- | ---- | 210 UNCH |
| -1300( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0005 | ---- | ---- | ---- | ---- | 290 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| OCT18 | | | | | | | | | | | | |
| -1350( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0010 | ---- | ---- | ---- | ---- | 210 UNCH |
| -1300( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0006 | ---- | ---- | ---- | ---- | 290 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| NOV18 | | | | | | | | | | | | |
| -1350( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0010 | ---- | ---- | ---- | ---- | 210 UNCH |
| -1300( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0006 | ---- | ---- | ---- | ---- | 290 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| DEC18 | | | | | | | | | | | | |
| -1350( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0010 | ---- | ---- | ---- | ---- | 210 UNCH |
| -1300( | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0006 | ---- | ---- | ---- | ---- | 290 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| WCI PUT | | CANADIAN HEAVY CRUDE OIL APO | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| -1550( | ---- | ---- | ---- | ---- | ---- | 5.195 + 0.700 | .9861 | ---- | ---- | ---- | ---- | 170 UNCH |
| TOTAL | | | | | | | | | | | | 170 |
| SEP18 | | | | | | | | | | | | |
| -1550( | ---- | ---- | ---- | ---- | ---- | 9.374 + 1.895 | .9950 | ---- | ---- | ---- | ---- | 170 UNCH |
| TOTAL | | | | | | | | | | | | 170 |
| OCT18 | | | | | | | | | | | | |
| -1550( | ---- | ---- | ---- | ---- | ---- | 7.716 UNCH | .9927 | ---- | ---- | ---- | ---- | 170 UNCH |
| TOTAL | | | | | | | | | | | | 170 |
| NOV18 | | | | | | | | | | | | |
| -1550( | ---- | ---- | ---- | ---- | ---- | 7.951 + 0.001 | .9930 | ---- | ---- | ---- | ---- | 170 UNCH |
| TOTAL | | | | | | | | | | | | 170 |
| DEC18 | | | | | | | | | | | | |
| -1550( | ---- | ---- | ---- | ---- | ---- | 8.184 UNCH | .9934 | ---- | ---- | ---- | ---- | 170 UNCH |
| TOTAL | | | | | | | | | | | | 170 |
| CE3 OOC | | CHICAGO ETHANOL 3 MTH CAL SPD OPT | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0167 + 0.0024 | .5259 | ---- | ---- | ---- | ---- | 25 UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0120 + 0.0021 | .4696 | ---- | ---- | ---- | ---- | 25 UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0080 + 0.0018 | .3953 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 150 |
| CVR CALL | | CHICAGO ETHANOL(PLATTS) APO | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0093 | ---- | ---- | ---- | ---- | 147 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 372 UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1515 UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 915 UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 520 UNCH |

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# ENERGY OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CVR CALL | | CHICAGO ETHANOL(PLATTS) APO | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 3469 |
| JUL18 | | | | | | | | | | | | |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0140 + 0.0033 | .3306 | ---- | ---- | ---- | ---- | 500 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0048 + 0.0016 | .1347 | ---- | ---- | ---- | 150 | 507 - 30 |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.0012 + 0.0005 | .0400 | ---- | ---- | ---- | ---- | 415 UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0002 | .0109 | ---- | ---- | ---- | ---- | 800 UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0036 | ---- | ---- | ---- | ---- | 135 UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | 150 | 2382 - 30 |
| AUG18 | | | | | | | | | | | | |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0598 + 0.0099 | .6368 | ---- | ---- | ---- | 124 | 179 + 54 |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0348 + 0.0048 | .4497 | ---- | ---- | ---- | ---- | 115 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0187 + 0.0015 | .2840 | ---- | ---- | ---- | ---- | 407 UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.0093 + 0.0008 | .1620 | ---- | ---- | ---- | ---- | 335 UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0043 + 0.0004 | .0841 | ---- | ---- | ---- | ---- | 290 UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0019 + 0.0002 | .0408 | ---- | ---- | ---- | ---- | 410 UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.0008 + 0.0002 | .0186 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | | 124 | 1936 + 54 |
| SEP18 | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0305 + 0.0039 | .3531 | ---- | ---- | ---- | ---- | 100 UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.0175 + 0.0025 | .2324 | ---- | ---- | ---- | ---- | 760 UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0094 + 0.0015 | .1413 | ---- | ---- | ---- | ---- | 115 UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0054 + 0.0013 | .0867 | ---- | ---- | ---- | ---- | 110 UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.0031 + 0.0010 | .0524 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 1110 |
| OCT18 | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0346 + 0.0030 | .3630 | ---- | ---- | ---- | ---- | 25 UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.0215 + 0.0021 | .2530 | ---- | ---- | ---- | ---- | 120 UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0131 + 0.0015 | .1692 | ---- | ---- | ---- | ---- | 5 UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0078 + 0.0010 | .1091 | ---- | ---- | ---- | ---- | 150 UNCH |
| TOTAL | | | | | | | | | | | | 300 |
| NOV18 | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0370 + 0.0026 | .3570 | ---- | ---- | ---- | ---- | 15 UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.0241 + 0.0017 | .2578 | ---- | ---- | ---- | ---- | 120 UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0155 + 0.0010 | .1804 | ---- | ---- | ---- | ---- | 5 UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0098 + 0.0007 | .1227 | ---- | ---- | ---- | ---- | 150 UNCH |
| TOTAL | | | | | | | | | | | | 290 |
| DEC18 | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0399 + 0.0018 | .3537 | ---- | ---- | ---- | ---- | 15 UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.0268 + 0.0009 | .2625 | ---- | ---- | ---- | ---- | 45 UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0182 + 0.0008 | .1917 | ---- | ---- | ---- | ---- | 5 UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0121 + 0.0006 | .1363 | ---- | ---- | ---- | ---- | 60 UNCH |
| TOTAL | | | | | | | | | | | | 125 |
| CVR PUT | | CHICAGO ETHANOL(PLATTS) APO | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 15 UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 150 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0391 | ---- | ---- | ---- | ---- | 270 UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0426 UNCH | .9906 | ---- | ---- | ---- | ---- | 880 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0926 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 250 UNCH |
| TOTAL | | | | | | | | | | | | 1565 |
| JUL18 | | | | | | | | | | | | |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0043 - 0.0037 | .1265 | ---- | ---- | ---- | ---- | 450 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0164 - 0.0076 | .3655 | ---- | ---- | ---- | 25 | 485 + 25 |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0439 - 0.0167 | .6693 | ---- | ---- | ---- | ---- | 265 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0847 - 0.0183 | .8653 | ---- | ---- | ---- | ---- | 125 UNCH |
| TOTAL | | | | | | | | | | | 25 | 1325 + 25 |
| AUG18 | | | | | | | | | | | | |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0127 - 0.0030 | .2019 | ---- | ---- | ---- | ---- | 10 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0274 - 0.0051 | .3631 | ---- | ---- | ---- | 124 | 219 + 89 |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0522 - 0.0102 | .5503 | ---- | ---- | ---- | ---- | 125 UNCH |
| TOTAL | | | | | | | | | | | 124 | 354 + 89 |
| SEP18 | | | | | | | | | | | | |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0181 - 0.0032 | .2226 | ---- | ---- | ---- | ---- | 10 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0340 - 0.0050 | .3555 | ---- | ---- | ---- | ---- | 40 UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0573 - 0.0068 | .5040 | ---- | ---- | ---- | ---- | 50 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0877 - 0.0085 | .6468 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 110 |
| OCT18 | | | | | | | | | | | | |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.0143 - 0.0003 | .1615 | ---- | ---- | ---- | ---- | 25 UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0259 - 0.0015 | .2581 | ---- | ---- | ---- | 10 | 250 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0417 - 0.0046 | .3740 | ---- | ---- | ---- | ---- | 50 UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0643 - 0.0074 | .5065 | ---- | ---- | ---- | ---- | 20 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0942 - 0.0094 | .6369 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 10 | 395 |
| NOV18 | | | | | | | | | | | | |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.0205 + 0.0007 | .1986 | ---- | ---- | ---- | ---- | 25 UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0344 UNCH | .2952 | ---- | ---- | ---- | 10 | 150 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0521 - 0.0027 | .4051 | ---- | ---- | ---- | ---- | 50 UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0754 - 0.0059 | .5266 | ---- | ---- | ---- | ---- | 20 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.1064 - 0.0073 | .6429 | ---- | ---- | ---- | ---- | 15 UNCH |
| TOTAL | | | | | | | | | | | 10 | 260 |
| DEC18 | | | | | | | | | | | | |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.0281 + 0.0018 | .2342 | ---- | ---- | ---- | ---- | 25 UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0439 + 0.0012 | .3276 | ---- | ---- | ---- | 10 | 200 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0638 - 0.0007 | .4309 | ---- | ---- | ---- | ---- | 50 UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0886 - 0.0033 | .5405 | ---- | ---- | ---- | ---- | 20 UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.1191 - 0.0056 | .6462 | ---- | ---- | ---- | ---- | 15 UNCH |
| TOTAL | | | | | | | | | | | 10 | 310 |
| CQA CALL | | COAL API2 ARGUS/MCCLOS QRTR OPT | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | |
| 8600 | ---- | ---- | ---- | ---- | ---- | 9.49 + 0.97 | .8403 | ---- | ---- | ---- | ---- | 100 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 6.52 + 0.81 | .7072 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9100 | ---- | ---- | ---- | ---- | ---- | 5.87 + 0.76 | .6687 | ---- | ---- | ---- | ---- | 40 UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 3.66 + 0.53 | .5046 | ---- | ---- | ---- | ---- | 100 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 1.89 + 0.31 | .3135 | ---- | ---- | ---- | ---- | 300 UNCH |
| TOTAL | | | | | | | | | | | | 590 |
| JAN19 | | | | | | | | | | | | |
| 9500 | ---- | ---- | ---- | ---- | ---- | 4.34 + 0.77 | .4399 | ---- | ---- | ---- | ---- | 575 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 2.84 + 0.59 | .3208 | ---- | ---- | ---- | ---- | 150 UNCH |
| TOTAL | | | | | | | | | | | | 725 |
| CQA PUT | | COAL API2 ARGUS/MCCLOS QRTR OPT | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | |
| 8450 | ---- | ---- | ---- | ---- | ---- | 0.64 - 0.19 | .1240 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| JAN19 | | | | | | | | | | | | |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.51 - 0.10 | .1761 | ---- | ---- | ---- | ---- | 175 UNCH |
| TOTAL | | | | | | | | | | | | 175 |

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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLA CALL | | COAL API2 ARGUS/MCCLOS CALNDR OPT | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | |
| 7900 | ---- | ---- | ---- | ---- | ---- | 11.33 + 1.18 | .7767 | ---- | ---- | ---- | ---- | 50 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 10.62 + 1.15 | .7533 | ---- | ---- | ---- | ---- | 145 UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 8.64 + 1.02 | .6797 | ---- | ---- | ---- | ---- | 25 UNCH |
| 8400 | ---- | ---- | ---- | ---- | ---- | 8.04 + 0.99 | .6528 | ---- | ---- | ---- | ---- | 25 UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 7.46 + 0.94 | .6252 | ---- | ---- | ---- | ---- | 55 UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 6.91 + 0.90 | .5979 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 5.01 + 0.70 | .4872 | ---- | ---- | ---- | ---- | 100 UNCH |
| 9200 | ---- | ---- | ---- | ---- | ---- | 4.24 + 0.62 | .4341 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 3.27 + 0.51 | .3597 | ---- | ---- | ---- | ---- | 300 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 2.07 + 0.35 | .2536 | ---- | ---- | ---- | ---- | 125 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.26 + 0.05 | .0439 | ---- | ---- | ---- | ---- | 125 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.10 + 0.01 | .0160 | ---- | ---- | ---- | ---- | 365 UNCH |
| TOTAL | | | | | | | | | | | | 1415 |
| CLA PUT | | COAL API2 ARGUS/MCCLOS CALNDR OPT | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.04 NEW | ---- | ---- | ---- | ---- | 5 | 5 + 5 |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.11 - 0.02 | .0167 | ---- | ---- | ---- | ---- | 190 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.27 - 0.06 | .0383 | ---- | ---- | ---- | 10 | 310 + 10 |
| 6700 | ---- | ---- | ---- | ---- | ---- | 0.38 - 0.07 | .0521 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.61 - 0.11 | .0794 | ---- | ---- | ---- | ---- | 235 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.23 - 0.22 | .1463 | ---- | ---- | ---- | 5 | 205 + 5 |
| 7800 | ---- | ---- | ---- | ---- | ---- | 1.80 - 0.34 | .2014 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 2.05 - 0.39 | .2232 | ---- | ---- | ---- | ---- | 50 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 2.34 - 0.41 | .2466 | ---- | ---- | ---- | ---- | 275 UNCH |
| 8200 | ---- | ---- | ---- | ---- | ---- | 2.97 - 0.50 | .2954 | ---- | ---- | ---- | ---- | 100 UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 4.13 - 0.62 | .3747 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 20 | 1520 + 20 |
| MTO CALL | | COAL API2 CIF ARA ARGSMCCLOSKEY OP | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 50.99 UNCH | .9967 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 40.00 + 0.01 | .9758 | ---- | ---- | ---- | ---- | 5 UNCH |
| 8400 | ---- | ---- | ---- | ---- | ---- | 12.00 UNCH | .7258 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | | | 55 |
| JUL18 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 51.77 + 1.25 | .9980 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 40.79 + 1.25 | .9955 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| AUG18 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 51.17 + 1.19 | .9977 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 40.21 + 1.20 | .9940 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| SEP18 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 50.50 + 0.90 | .9975 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 39.55 + 0.89 | .9929 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| OCT18 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 49.97 + 1.10 | .9944 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 39.04 + 1.09 | .9674 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| NOV18 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 49.42 + 1.24 | .9943 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 38.52 + 1.25 | .9667 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| DEC18 | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 48.25 + 1.29 | .9940 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 37.36 + 1.29 | .9651 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| MTO PUT | | COAL API2 CIF ARA ARGSMCCLOSKEY OP | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0005 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| JUL18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0009 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| AUG18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0010 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| SEP18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0010 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| OCT18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0010 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| NOV18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0010 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| DEC18 | | | | | | | | | | | | |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0011 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | | | 20 |
| MFO CALL | | COAL API4 FOB RCHRDS BAY ARGS MCCLO | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 9200 | ---- | ---- | ---- | ---- | ---- | 12.30 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9400 | ---- | ---- | ---- | ---- | ---- | 10.30 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 50 UNCH |
| 10350 | ---- | ---- | ---- | ---- | ---- | 0.80 UNCH | .7697 | ---- | ---- | ---- | ---- | 50 UNCH |
| 10550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0271 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 200 |
| JUL18 | | | | | | | | | | | | |
| 8550 | ---- | ---- | ---- | ---- | ---- | 18.62 + 1.35 | .9912 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| AUG18 | | | | | | | | | | | | |
| 8550 | ---- | ---- | ---- | ---- | ---- | 18.29 + 1.34 | .9906 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| SEP18 | | | | | | | | | | | | |
| 8550 | ---- | ---- | ---- | ---- | ---- | 17.92 + 1.51 | .9849 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| OCT18 | | | | | | | | | | | | |
| 8500 | ---- | ---- | ---- | ---- | ---- | 17.73 + 1.29 | .9901 | ---- | ---- | ---- | ---- | 25 UNCH |
| 8550 | ---- | ---- | ---- | ---- | ---- | 17.25 + 1.28 | .9849 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 50 |
| NOV18 | | | | | | | | | | | | |
| 8500 | ---- | ---- | ---- | ---- | ---- | 17.16 + 1.11 | .9641 | ---- | ---- | ---- | ---- | 25 UNCH |
| 8550 | ---- | ---- | ---- | ---- | ---- | 16.70 + 1.10 | .9570 | ---- | ---- | ---- | ---- | 25 UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS

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**FINAL**

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THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MFO CALL | COAL API4 FOB RCHRDS BAY ARGS MCCLO | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | 50 | |
| DEC18 | | | | | | | | | | | | | | |
| 8500 ---- | ---- | ---- | ---- | ---- | 16.35 | + | 1.16 | .9303 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 8550 ---- | ---- | ---- | ---- | ---- | 15.91 | + | 1.15 | .9221 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | | 50 | |
| MFO PUT | COAL API4 FOB RCHRDS BAY ARGS MCCLO | | | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | | |
| 8500 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 8750 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 8800 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 9400 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 200 | UNCH |
| 9950 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0080 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 500 | |
| JUL18 | | | | | | | | | | | | | | |
| 8300 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0031 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | | 25 | |
| AUG18 | | | | | | | | | | | | | | |
| 8300 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0034 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | | 25 | |
| SEP18 | | | | | | | | | | | | | | |
| 8300 ---- | ---- | ---- | ---- | ---- | 0.02 | - | 0.02 | .0062 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | | 25 | |
| OCT18 | | | | | | | | | | | | | | |
| 8300 ---- | ---- | ---- | ---- | ---- | 0.08 | - | 0.03 | .0190 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 50 | |
| NOV18 | | | | | | | | | | | | | | |
| 8300 ---- | ---- | ---- | ---- | ---- | 0.19 | - | 0.05 | .0368 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 50 | |
| DEC18 | | | | | | | | | | | | | | |
| 8300 ---- | ---- | ---- | ---- | ---- | 0.37 | - | 0.10 | .0605 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 50 | |
| RLA PUT | COAL API4 R BAY ARGUS/MCK CAL | | | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | | |
| 9000 ---- | ---- | ---- | ---- | ---- | 3.31 | + | 0.33 | .3383 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | | 25 | |
| AO CALL | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | | |
| 4500 ---- | ---- | ---- | ---- | ---- | 22.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 ---- | ---- | ---- | ---- | ---- | 21.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4900 ---- | ---- | ---- | ---- | ---- | 18.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4950 ---- | ---- | ---- | ---- | ---- | 17.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 ---- | ---- | ---- | ---- | ---- | 17.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 438 | UNCH |
| 5100 ---- | ---- | ---- | ---- | ---- | 16.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 5125 ---- | ---- | ---- | ---- | ---- | 15.98 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5135 ---- | ---- | ---- | ---- | ---- | 15.88 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 5200 ---- | ---- | ---- | ---- | ---- | 15.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 495 | UNCH |
| 5225 ---- | ---- | ---- | ---- | ---- | 14.98 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5250 ---- | ---- | ---- | ---- | ---- | 14.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 5275 ---- | ---- | ---- | ---- | ---- | 14.48 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5300 ---- | ---- | ---- | ---- | ---- | 14.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5325 ---- | ---- | ---- | ---- | ---- | 13.98 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5350 ---- | ---- | ---- | ---- | ---- | 13.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 5400 ---- | ---- | ---- | ---- | ---- | 13.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5430 ---- | ---- | ---- | ---- | ---- | 12.93 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5450 ---- | ---- | ---- | ---- | ---- | 12.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 5475 ---- | ---- | ---- | ---- | ---- | 12.48 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5500 ---- | ---- | ---- | ---- | ---- | 12.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 3387 | UNCH |
| 5520 ---- | ---- | ---- | ---- | ---- | 12.03 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 5550 ---- | ---- | ---- | ---- | ---- | 11.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 126 | UNCH |
| 5575 ---- | ---- | ---- | ---- | ---- | 11.48 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 5580 ---- | ---- | ---- | ---- | ---- | 11.43 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 ---- | ---- | ---- | ---- | ---- | 11.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 56 | UNCH |
| 5625 ---- | ---- | ---- | ---- | ---- | 10.98 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5650 ---- | ---- | ---- | ---- | ---- | 10.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 98 | UNCH |
| 5700 ---- | ---- | ---- | ---- | ---- | 10.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 5750 ---- | ---- | ---- | ---- | ---- | 9.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 5800 ---- | ---- | ---- | ---- | ---- | 9.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 259 | UNCH |
| 5850 ---- | ---- | ---- | ---- | ---- | 8.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5900 ---- | ---- | ---- | ---- | ---- | 8.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5925 ---- | ---- | ---- | ---- | ---- | 7.98 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 6000 ---- | ---- | ---- | ---- | ---- | 7.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 4636 | UNCH |
| 6050 ---- | ---- | ---- | ---- | ---- | 6.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6100 ---- | ---- | ---- | ---- | ---- | 6.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 6150 ---- | ---- | ---- | ---- | ---- | 5.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 6200 ---- | ---- | ---- | ---- | ---- | 5.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 73 | UNCH |
| 6250 ---- | ---- | ---- | ---- | ---- | 4.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 6275 ---- | ---- | ---- | ---- | ---- | 4.48 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6400 ---- | ---- | ---- | ---- | ---- | 3.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6450 ---- | ---- | ---- | ---- | ---- | 2.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 6500 ---- | ---- | ---- | ---- | ---- | 2.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 1082 | UNCH |
| 6550 ---- | ---- | ---- | ---- | ---- | 1.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 ---- | ---- | ---- | ---- | ---- | 1.23 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6650 ---- | ---- | ---- | ---- | ---- | 0.73 | + | 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 ---- | ---- | ---- | ---- | ---- | 0.23 | + | 0.20 | .9309 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6830 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 14 | UNCH |
| 6850 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6900 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6950 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 251 | UNCH |
| 7080 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7175 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7200 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 175 | UNCH |
| 7250 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7300 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 300 | UNCH |
| 7500 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1035 | UNCH |
| 7750 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 36 | UNCH |
| 7800 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1200 | UNCH |
| 8000 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 8500 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9000 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 650 | UNCH |
| 10000 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 36 | UNCH |
| 11000 ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 18275 | |
| JUL18 | | | | | | | | | | | | | | |
| 2000 ---- | ---- | ---- | ---- | ---- | 52.18 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 4500 ---- | ---- | ---- | ---- | ---- | 27.22 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 ---- | ---- | ---- | ---- | ---- | 26.22 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4850 ---- | ---- | ---- | ---- | ---- | 23.73 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5000 ---- | ---- | ---- | ---- | ---- | 22.23 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 1075 | UNCH |
| 5100 ---- | ---- | ---- | ---- | ---- | 21.23 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5125 ---- | ---- | ---- | ---- | ---- | 20.98 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5160 ---- | ---- | ---- | ---- | ---- | 20.63 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5200 ---- | ---- | ---- | ---- | ---- | 20.23 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 495 | UNCH |

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# ENERGY OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | | |
| 5225 | ---- | ---- | ---- | ---- | ---- | 19.98 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 19.73 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 19.24 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 5325 | ---- | ---- | ---- | ---- | ---- | 18.99 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 18.74 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 18.24 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 17.94 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 17.74 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 17.49 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 17.24 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 4190 | UNCH |
| 5520 | ---- | ---- | ---- | ---- | ---- | 17.04 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 16.74 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 16.49 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 16.44 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 16.24 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 204 | UNCH |
| 5625 | ---- | ---- | ---- | ---- | ---- | 15.99 | + | 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 15.74 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 15.24 | + | 2.14 | 1.0000 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 14.74 | + | 2.14 | .9999 | ---- | ---- | ---- | ---- | 95 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 14.24 | + | 2.14 | .9999 | ---- | ---- | ---- | ---- | 208 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 13.75 | + | 2.15 | .9999 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 13.25 | + | 2.15 | .9999 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 12.25 | + | 2.15 | .9997 | ---- | ---- | ---- | ---- | 3891 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 11.25 | + | 2.15 | .9993 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 10.75 | + | 2.14 | .9989 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 10.73 | + | 2.14 | .9988 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 10.25 | + | 2.13 | .9981 | ---- | ---- | ---- | ---- | 270 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 9.50 | + | 2.12 | .9963 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 9.25 | + | 2.11 | .9954 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 8.75 | + | 2.10 | .9930 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 8.27 | + | 2.11 | .9872 | ---- | ---- | ---- | ---- | 171 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 7.28 | + | 2.07 | .9804 | ---- | ---- | ---- | ---- | 1360 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 6.79 | + | 2.04 | .9742 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 6.30 | + | 2.00 | .9677 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.82 | + | 1.96 | .9562 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.35 | + | 1.91 | .9401 | ---- | ---- | ---- | ---- | 103 | UNCH |
| 6830 | ---- | ---- | ---- | ---- | ---- | 4.17 | + | 1.71 | .8812 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.00 | + | 1.68 | .8682 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.57 | + | 1.58 | .8368 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6950 | ---- | ---- | ---- | ---- | ---- | 3.18 | + | 1.49 | .7971 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 2.81 | + | 1.39 | .7511 | ---- | ---- | ---- | ---- | 714 | UNCH |
| 7080 | ---- | ---- | ---- | ---- | ---- | 2.25 | + | 1.19 | .6722 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7120 | ---- | ---- | ---- | ---- | ---- | 2.00 | + | 1.10 | .6289 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 7175 | ---- | ---- | ---- | ---- | ---- | 1.69 | + | 0.97 | .5673 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 1.56 | + | 0.92 | .5391 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 1.32 | + | 0.81 | .4828 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 1.10 | + | 0.69 | .4272 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 7380 | ---- | ---- | ---- | ---- | ---- | 0.82 | + | 0.55 | .3440 | ---- | ---- | ---- | ---- | 113 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.51 | + | 0.36 | .2372 | ---- | ---- | ---- | ---- | 665 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 0.18 | + | 0.14 | .0969 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.06 | + | 0.05 | .0354 | ---- | ---- | ---- | ---- | 1844 | UNCH |
| 8200 | ---- | ---- | ---- | ---- | ---- | 0.03 | + | 0.02 | .0178 | ---- | ---- | ---- | ---- | 725 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0060 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0003 | ---- | ---- | ---- | ---- | 650 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 36 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 46 | UNCH |
| TOTAL | | | | | | | | | | | | | | 19106 | |
| AUG18 | | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 25.73 | + | 1.91 | .9999 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 24.73 | + | 1.91 | .9999 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4850 | ---- | ---- | ---- | ---- | ---- | 22.24 | + | 1.91 | .9998 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 20.75 | + | 1.92 | .9996 | ---- | ---- | ---- | ---- | 1075 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 19.75 | + | 1.91 | .9993 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5125 | ---- | ---- | ---- | ---- | ---- | 19.50 | + | 1.91 | .9992 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5160 | ---- | ---- | ---- | ---- | ---- | 19.15 | + | 1.91 | .9990 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 18.76 | + | 1.92 | .9987 | ---- | ---- | ---- | ---- | 495 | UNCH |
| 5225 | ---- | ---- | ---- | ---- | ---- | 18.51 | + | 1.92 | .9985 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 18.26 | + | 1.92 | .9982 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 17.76 | + | 1.91 | .9977 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 5325 | ---- | ---- | ---- | ---- | ---- | 17.51 | + | 1.90 | .9973 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 17.26 | + | 1.90 | .9969 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 16.76 | + | 1.90 | .9960 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 16.47 | + | 1.90 | .9929 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 16.27 | + | 1.90 | .9928 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 16.02 | + | 1.90 | .9927 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 15.78 | + | 1.91 | .9926 | ---- | ---- | ---- | ---- | 4189 | UNCH |
| 5520 | ---- | ---- | ---- | ---- | ---- | 15.58 | + | 1.91 | .9925 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 15.28 | + | 1.90 | .9923 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 15.04 | + | 1.91 | .9893 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 14.99 | + | 1.91 | .9893 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 14.79 | + | 1.90 | .9891 | ---- | ---- | ---- | ---- | 204 | UNCH |
| 5625 | ---- | ---- | ---- | ---- | ---- | 14.54 | + | 1.89 | .9889 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 14.29 | + | 1.89 | .9888 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 13.80 | + | 1.89 | .9855 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 13.31 | + | 1.89 | .9823 | ---- | ---- | ---- | ---- | 95 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 12.83 | + | 1.89 | .9790 | ---- | ---- | ---- | ---- | 208 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 12.33 | + | 1.88 | .9782 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 11.36 | + | 1.86 | .9685 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 10.88 | + | 1.85 | .9623 | ---- | ---- | ---- | ---- | 3891 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 9.93 | + | 1.83 | .9496 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 9.45 | + | 1.81 | .9429 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 9.43 | + | 1.81 | .9428 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.98 | + | 1.78 | .9338 | ---- | ---- | ---- | ---- | 270 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 8.29 | + | 1.75 | .9167 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.62 | + | 1.71 | .8953 | ---- | ---- | ---- | ---- | 94 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 7.18 | + | 1.68 | .8814 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.33 | + | 1.61 | .8446 | ---- | ---- | ---- | ---- | 1860 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 5.91 | + | 1.56 | .8250 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.51 | + | 1.52 | .8025 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.14 | + | 1.49 | .7774 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 4.76 | + | 1.44 | .7522 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 6830 | ---- | ---- | ---- | ---- | ---- | 3.86 | + | 1.29 | .6778 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 3.73 | + | 1.27 | .6657 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.41 | + | 1.21 | .6349 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6950 | ---- | ---- | ---- | ---- | ---- | 3.13 | + | 1.16 | .6027 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 2.85 | + | 1.10 | .5703 | ---- | ---- | ---- | ---- | 821 | UNCH |
| 7080 | ---- | ---- | ---- | ---- | ---- | 2.44 | + | 1.01 | .5177 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7120 | ---- | ---- | ---- | ---- | ---- | 2.25 | + | 0.96 | .4914 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7175 | ---- | ---- | ---- | ---- | ---- | 2.01 | + | 0.89 | .4556 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 1.90 | + | 0.86 | .4393 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 1.71 | + | 0.80 | .4079 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 1.53 | + | 0.74 | .3770 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 7350 | ---- | ---- | ---- | ---- | ---- | 1.37 | + | 0.69 | .3476 | ---- | ---- | ---- | ---- | 141 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.96 | + | 0.53 | .2659 | ---- | ---- | ---- | ---- | 669 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 0.52 | + | 0.32 | .1616 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.28 | + | 0.18 | .0946 | ---- | ---- | ---- | ---- | 1849 | UNCH |
| 8200 | ---- | ---- | ---- | ---- | ---- | 0.17 | + | 0.11 | .0605 | ---- | ---- | ---- | ---- | 725 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.09 | + | 0.06 | .0330 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.03 | + | 0.02 | .0115 | ---- | ---- | ---- | ---- | 650 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0009 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 43 | UNCH |
| TOTAL | | | | | | | | | | | | | | 19747 | |
| SEP18 | | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 24.62 | + | 1.75 | .9991 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 23.62 | + | 1.73 | .9985 | ---- | ---- | ---- | ---- | 7 | UNCH |

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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | | | |
| 4850 | ---- | ---- | ---- | ---- | ---- | 21.14 | + | 1.73 | .9944 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 19.66 | + | 1.73 | .9917 | ---- | ---- | ---- | ---- | 1075 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 18.68 | + | 1.74 | .9890 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5125 | ---- | ---- | ---- | ---- | ---- | 18.43 | + | 1.72 | .9889 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5160 | ---- | ---- | ---- | ---- | ---- | 18.09 | + | 1.73 | .9865 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 17.69 | + | 1.72 | .9862 | ---- | ---- | ---- | ---- | 495 | UNCH |
| 5225 | ---- | ---- | ---- | ---- | ---- | 17.44 | + | 1.72 | .9861 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 17.20 | + | 1.72 | .9838 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 16.72 | + | 1.73 | .9813 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 5325 | ---- | ---- | ---- | ---- | ---- | 16.47 | + | 1.71 | .9810 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 16.22 | + | 1.71 | .9807 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 15.74 | + | 1.71 | .9762 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 15.44 | + | 1.70 | .9757 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 15.25 | + | 1.71 | .9735 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 15.01 | + | 1.71 | .9731 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 14.77 | + | 1.71 | .9708 | ---- | ---- | ---- | ---- | 4189 | UNCH |
| 5520 | ---- | ---- | ---- | ---- | ---- | 14.58 | + | 1.70 | .9685 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 14.29 | + | 1.70 | .9661 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 14.05 | + | 1.70 | .9637 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 14.00 | + | 1.69 | .9636 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 13.80 | + | 1.68 | .9632 | ---- | ---- | ---- | ---- | 204 | UNCH |
| 5625 | ---- | ---- | ---- | ---- | ---- | 13.56 | + | 1.68 | .9608 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 13.33 | + | 1.69 | .9566 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 12.86 | + | 1.68 | .9516 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 12.38 | + | 1.66 | .9466 | ---- | ---- | ---- | ---- | 95 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 11.91 | + | 1.65 | .9398 | ---- | ---- | ---- | ---- | 208 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 11.44 | + | 1.63 | .9328 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 10.08 | + | 1.59 | .9050 | ---- | ---- | ---- | ---- | 3883 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 9.20 | + | 1.56 | .8824 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.77 | + | 1.54 | .8690 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 8.75 | + | 1.53 | .8688 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.35 | + | 1.52 | .8543 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.73 | + | 1.49 | .8320 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.13 | + | 1.44 | .8062 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.74 | + | 1.41 | .7879 | ---- | ---- | ---- | ---- | 186 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.00 | + | 1.36 | .7484 | ---- | ---- | ---- | ---- | 1382 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 5.64 | + | 1.32 | .7273 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.29 | + | 1.29 | .7054 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 4.95 | + | 1.25 | .6828 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 4.64 | + | 1.22 | .6591 | ---- | ---- | ---- | ---- | 103 | UNCH |
| 6830 | ---- | ---- | ---- | ---- | ---- | 3.85 | + | 1.11 | .5953 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 3.74 | + | 1.10 | .5851 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.47 | + | 1.06 | .5597 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6950 | ---- | ---- | ---- | ---- | ---- | 3.21 | + | 1.02 | .5339 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 2.97 | + | 0.98 | .5081 | ---- | ---- | ---- | ---- | 736 | UNCH |
| 7080 | ---- | ---- | ---- | ---- | ---- | 2.60 | + | 0.90 | .4669 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7120 | ---- | ---- | ---- | ---- | ---- | 2.43 | + | 0.86 | .4465 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7175 | ---- | ---- | ---- | ---- | ---- | 2.22 | + | 0.82 | .4192 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 2.12 | + | 0.80 | .4066 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 1.94 | + | 0.75 | .3822 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7290 | ---- | ---- | ---- | ---- | ---- | 1.81 | + | 0.72 | .3634 | ---- | ---- | ---- | ---- | 142 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 1.77 | + | 0.71 | .3583 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.22 | + | 0.55 | .2714 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 0.75 | + | 0.38 | .1844 | ---- | ---- | ---- | ---- | 39 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.46 | + | 0.25 | .1221 | ---- | ---- | ---- | ---- | 1805 | UNCH |
| 8200 | ---- | ---- | ---- | ---- | ---- | 0.32 | + | 0.18 | .0884 | ---- | ---- | ---- | ---- | 725 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.19 | + | 0.11 | .0548 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.08 | + | 0.05 | .0244 | ---- | ---- | ---- | ---- | 650 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0062 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0006 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | | 19018 | |
| OCT18 | | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 23.90 | + | 1.55 | .9932 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 22.91 | + | 1.55 | .9910 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4850 | ---- | ---- | ---- | ---- | ---- | 20.46 | + | 1.55 | .9845 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 18.99 | + | 1.54 | .9799 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 18.03 | + | 1.54 | .9740 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5125 | ---- | ---- | ---- | ---- | ---- | 17.78 | + | 1.53 | .9736 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5155 | ---- | ---- | ---- | ---- | ---- | 17.49 | + | 1.53 | .9716 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 17.05 | + | 1.53 | .9694 | ---- | ---- | ---- | ---- | 495 | UNCH |
| 5225 | ---- | ---- | ---- | ---- | ---- | 16.82 | + | 1.53 | .9674 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 16.58 | + | 1.53 | .9655 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 16.10 | + | 1.52 | .9615 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 5325 | ---- | ---- | ---- | ---- | ---- | 15.86 | + | 1.52 | .9595 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 15.62 | + | 1.52 | .9575 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 15.15 | + | 1.51 | .9534 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 14.86 | + | 1.50 | .9511 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 14.67 | + | 1.50 | .9492 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 14.44 | + | 1.50 | .9456 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 14.20 | + | 1.49 | .9435 | ---- | ---- | ---- | ---- | 3901 | UNCH |
| 5520 | ---- | ---- | ---- | ---- | ---- | 14.02 | + | 1.49 | .9414 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 13.74 | + | 1.48 | .9377 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 13.51 | + | 1.48 | .9341 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 13.46 | + | 1.48 | .9339 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 13.28 | + | 1.48 | .9305 | ---- | ---- | ---- | ---- | 202 | UNCH |
| 5625 | ---- | ---- | ---- | ---- | ---- | 13.05 | + | 1.48 | .9269 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 12.82 | + | 1.47 | .9233 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 12.37 | + | 1.46 | .9159 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.92 | + | 1.45 | .9073 | ---- | ---- | ---- | ---- | 94 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 11.47 | + | 1.43 | .8985 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 11.04 | + | 1.42 | .8885 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.75 | + | 1.37 | .8557 | ---- | ---- | ---- | ---- | 3931 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.94 | + | 1.35 | .8288 | ---- | ---- | ---- | ---- | 85 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.53 | + | 1.32 | .8152 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 8.52 | + | 1.33 | .8141 | ---- | ---- | ---- | ---- | 34 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.14 | + | 1.31 | .7998 | ---- | ---- | ---- | ---- | 184 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.57 | + | 1.27 | .7762 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.38 | + | 1.26 | .7680 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.66 | + | 1.22 | .7330 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.97 | + | 1.18 | .6954 | ---- | ---- | ---- | ---- | 1540 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 5.65 | + | 1.15 | .6758 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.33 | + | 1.13 | .6557 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.01 | + | 1.09 | .6353 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 4.72 | + | 1.07 | .6143 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.15 | + | 1.00 | .5713 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 6830 | ---- | ---- | ---- | ---- | ---- | 4.00 | + | 0.99 | .5582 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 3.89 | + | 0.97 | .5494 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.63 | + | 0.93 | .5274 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6950 | ---- | ---- | ---- | ---- | ---- | 3.39 | + | 0.90 | .5053 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.16 | + | 0.87 | .4832 | ---- | ---- | ---- | ---- | 859 | UNCH |
| 7035 | ---- | ---- | ---- | ---- | ---- | 3.01 | + | 0.85 | .4679 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7080 | ---- | ---- | ---- | ---- | ---- | 2.82 | + | 0.82 | .4483 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7175 | ---- | ---- | ---- | ---- | ---- | 2.45 | + | 0.76 | .4076 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7220 | ---- | ---- | ---- | ---- | ---- | 2.28 | + | 0.72 | .3884 | ---- | ---- | ---- | ---- | 153 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 2.18 | + | 0.70 | .3762 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.45 | + | 0.53 | .2799 | ---- | ---- | ---- | ---- | 585 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 0.95 | + | 0.39 | .2013 | ---- | ---- | ---- | ---- | 43 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.62 | + | 0.28 | .1416 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 8400 | ---- | ---- | ---- | ---- | ---- | 0.33 | + | 0.16 | .0812 | ---- | ---- | ---- | ---- | 725 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.28 | + | 0.14 | .0702 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.14 | + | 0.07 | .0367 | ---- | ---- | ---- | 100 | 1975 + | 100 |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.04 | + | 0.02 | .0110 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0029 | ---- | ---- | ---- | ---- | 38 | UNCH |
| TOTAL | | | | | | | | | | | | | 100 | 18235 + | 100 |
| NOV18 | | | | | | | | | | | | | | | |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS

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Side 15

## FINAL



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 23.27 | + | 1.37 | .9850 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 22.29 | + | 1.36 | .9829 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4850 | ---- | ---- | ---- | ---- | ---- | 19.86 | + | 1.34 | .9735 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 18.42 | + | 1.34 | .9646 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 17.48 | + | 1.34 | .9564 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5125 | ---- | ---- | ---- | ---- | ---- | 17.24 | + | 1.33 | .9546 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5145 | ---- | ---- | ---- | ---- | ---- | 17.05 | + | 1.32 | .9529 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 16.54 | + | 1.32 | .9479 | ---- | ---- | ---- | ---- | 495 | UNCH |
| 5225 | ---- | ---- | ---- | ---- | ---- | 16.30 | + | 1.32 | .9461 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 16.07 | + | 1.32 | .9430 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 15.61 | + | 1.31 | .9380 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 5325 | ---- | ---- | ---- | ---- | ---- | 15.38 | + | 1.31 | .9350 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 15.15 | + | 1.31 | .9319 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 14.70 | + | 1.30 | .9256 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 14.42 | + | 1.29 | .9223 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 14.24 | + | 1.29 | .9193 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 14.01 | + | 1.29 | .9161 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 13.79 | + | 1.28 | .9119 | ---- | ---- | ---- | ---- | 3901 | UNCH |
| 5520 | ---- | ---- | ---- | ---- | ---- | 13.62 | + | 1.28 | .9089 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 13.35 | + | 1.28 | .9044 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 13.13 | + | 1.27 | .9001 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 13.08 | + | 1.27 | .8998 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.91 | + | 1.27 | .8958 | ---- | ---- | ---- | ---- | 202 | UNCH |
| 5625 | ---- | ---- | ---- | ---- | ---- | 12.70 | + | 1.27 | .8915 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 12.48 | + | 1.26 | .8872 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 12.05 | + | 1.25 | .8776 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.63 | + | 1.24 | .8679 | ---- | ---- | ---- | ---- | 94 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 11.20 | + | 1.22 | .8581 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.79 | + | 1.21 | .8466 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.59 | + | 1.17 | .8108 | ---- | ---- | ---- | ---- | 3923 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.82 | + | 1.14 | .7842 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.45 | + | 1.13 | .7695 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 8.43 | + | 1.13 | .7692 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.08 | + | 1.11 | .7548 | ---- | ---- | ---- | ---- | 240 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.55 | + | 1.10 | .7317 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.37 | + | 1.08 | .7239 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.69 | + | 1.05 | .6912 | ---- | ---- | ---- | ---- | 126 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.05 | + | 1.02 | .6566 | ---- | ---- | ---- | ---- | 1495 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 5.75 | + | 1.00 | .6387 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.45 | + | 0.99 | .6205 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.15 | + | 0.95 | .6021 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 4.87 | + | 0.93 | .5834 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.33 | + | 0.88 | .5451 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.08 | + | 0.85 | .5258 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.84 | + | 0.83 | .5065 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6950 | ---- | ---- | ---- | ---- | ---- | 3.61 | + | 0.80 | .4872 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.39 | + | 0.78 | .4679 | ---- | ---- | ---- | ---- | 859 | UNCH |
| 7035 | ---- | ---- | ---- | ---- | ---- | 3.24 | + | 0.76 | .4545 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7140 | ---- | ---- | ---- | ---- | ---- | 2.83 | + | 0.71 | .4150 | ---- | ---- | ---- | ---- | 157 | UNCH |
| 7175 | ---- | ---- | ---- | ---- | ---- | 2.70 | + | 0.69 | .4020 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 2.43 | + | 0.64 | .3743 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.70 | + | 0.51 | .2893 | ---- | ---- | ---- | ---- | 585 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 1.17 | + | 0.40 | .2173 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.80 | + | 0.29 | .1599 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.40 | + | 0.16 | .0875 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 8550 | ---- | ---- | ---- | ---- | ---- | 0.37 | + | 0.15 | .0818 | ---- | ---- | ---- | ---- | 725 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.21 | + | 0.09 | .0486 | ---- | ---- | ---- | ---- | 2425 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.08 | + | 0.04 | .0189 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.03 | + | 0.02 | .0073 | ---- | ---- | ---- | ---- | 36 | UNCH |
| TOTAL | | | | | | | | | | | | | | 18687 | |
| DEC18 | | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 22.73 | + | 1.23 | .9781 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 21.76 | + | 1.22 | .9746 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4850 | ---- | ---- | ---- | ---- | ---- | 19.39 | + | 1.21 | .9593 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 17.98 | + | 1.19 | .9474 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 17.06 | + | 1.18 | .9375 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5125 | ---- | ---- | ---- | ---- | ---- | 16.84 | + | 1.19 | .9347 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 16.15 | + | 1.17 | .9264 | ---- | ---- | ---- | ---- | 495 | UNCH |
| 5225 | ---- | ---- | ---- | ---- | ---- | 15.93 | + | 1.17 | .9236 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 15.70 | + | 1.16 | .9207 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 15.25 | + | 1.15 | .9141 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 5325 | ---- | ---- | ---- | ---- | ---- | 15.04 | + | 1.16 | .9103 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 14.82 | + | 1.16 | .9065 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 14.38 | + | 1.14 | .8989 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 14.12 | + | 1.14 | .8948 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 13.95 | + | 1.14 | .8913 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 13.73 | + | 1.13 | .8874 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 13.52 | + | 1.13 | .8835 | ---- | ---- | ---- | ---- | 4001 | UNCH |
| 5520 | ---- | ---- | ---- | ---- | ---- | 13.35 | + | 1.13 | .8799 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 13.10 | + | 1.13 | .8742 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 12.88 | + | 1.11 | .8702 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.84 | + | 1.11 | .8691 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.68 | + | 1.12 | .8655 | ---- | ---- | ---- | ---- | 202 | UNCH |
| 5625 | ---- | ---- | ---- | ---- | ---- | 12.47 | + | 1.11 | .8607 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 12.26 | + | 1.11 | .8560 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.86 | + | 1.10 | .8457 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.45 | + | 1.09 | .8354 | ---- | ---- | ---- | ---- | 94 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 11.06 | + | 1.09 | .8244 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.66 | + | 1.08 | .8132 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.52 | + | 1.04 | .7770 | ---- | ---- | ---- | ---- | 3976 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.79 | + | 1.02 | .7506 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.43 | + | 1.00 | .7368 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 8.41 | + | 0.99 | .7365 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.08 | + | 0.99 | .7229 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.58 | + | 0.98 | .7007 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.41 | + | 0.97 | .6932 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.76 | + | 0.94 | .6625 | ---- | ---- | ---- | ---- | 176 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.14 | + | 0.91 | .6304 | ---- | ---- | ---- | ---- | 1495 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 5.85 | + | 0.90 | .6138 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.55 | + | 0.87 | .5971 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.28 | + | 0.86 | .5801 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.00 | + | 0.83 | .5628 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.49 | + | 0.80 | .5279 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.25 | + | 0.78 | .5104 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 4.02 | + | 0.77 | .4930 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6950 | ---- | ---- | ---- | ---- | ---- | 3.79 | + | 0.74 | .4753 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.58 | + | 0.72 | .4580 | ---- | ---- | ---- | ---- | 859 | UNCH |
| 7035 | ---- | ---- | ---- | ---- | ---- | 3.43 | + | 0.70 | .4458 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7060 | ---- | ---- | ---- | ---- | ---- | 3.33 | + | 0.69 | .4371 | ---- | ---- | ---- | ---- | 173 | UNCH |
| 7175 | ---- | ---- | ---- | ---- | ---- | 2.90 | + | 0.65 | .3982 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 2.63 | + | 0.60 | .3730 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.91 | + | 0.50 | .2961 | ---- | ---- | ---- | ---- | 585 | UNCH |
| 7750 | ---- | ---- | ---- | ---- | ---- | 1.37 | + | 0.40 | .2298 | ---- | ---- | ---- | ---- | 47 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.97 | + | 0.30 | .1747 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 8400 | ---- | ---- | ---- | ---- | ---- | 0.58 | + | 0.20 | .1129 | ---- | ---- | ---- | ---- | 360 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.51 | + | 0.17 | .1010 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.29 | + | 0.11 | .0604 | ---- | ---- | ---- | ---- | 1975 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.11 | + | 0.04 | .0240 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.05 | + | 0.02 | .0110 | ---- | ---- | ---- | ---- | 34 | UNCH |
| TOTAL | | | | | | | | | | | | | | 17954 | |
| JAN19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 20.33 | + | 1.09 | .9570 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 18.48 | + | 1.06 | .9400 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 13.87 | + | 1.03 | .8686 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 13.29 | + | 1.01 | .8566 | ---- | ---- | ---- | ---- | 1021 | UNCH |

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# ENERGY OPTIONS

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**FINAL**





THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | | | |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.88 | + | 1.00 | .8473 | ---- | ---- | ---- | ---- | 57 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.65 | + | 1.01 | .8414 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.48 | + | 1.00 | .8379 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5645 | ---- | ---- | ---- | ---- | ---- | 12.13 | + | 0.99 | .8289 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.69 | + | 0.97 | .8178 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.31 | + | 0.98 | .8071 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.92 | + | 0.96 | .7963 | ---- | ---- | ---- | ---- | 355 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.55 | + | 0.96 | .7849 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.18 | + | 0.95 | .7734 | ---- | ---- | ---- | ---- | 151 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.46 | + | 0.94 | .7490 | ---- | ---- | ---- | ---- | 1582 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 9.10 | + | 0.92 | .7367 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.75 | + | 0.91 | .7236 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.41 | + | 0.91 | .7104 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 8.39 | + | 0.90 | .7101 | ---- | ---- | ---- | ---- | 59 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.06 | + | 0.88 | .6970 | ---- | ---- | ---- | ---- | 215 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.57 | + | 0.86 | .6761 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6345 | ---- | ---- | ---- | ---- | ---- | 7.12 | + | 0.84 | .6560 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.09 | + | 0.84 | .6545 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.79 | + | 0.85 | .6396 | ---- | ---- | ---- | ---- | 89 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.19 | + | 0.81 | .6093 | ---- | ---- | ---- | ---- | 2115 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 5.90 | + | 0.80 | .5938 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 5.84 | + | 0.79 | .5907 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.62 | + | 0.78 | .5781 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.35 | + | 0.77 | .5621 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.27 | + | 0.76 | .5573 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.09 | + | 0.75 | .5460 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 4.83 | + | 0.73 | .5297 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.35 | + | 0.70 | .4972 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.01 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 | + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 3.73 | + | 0.65 | .4515 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.69 | + | 0.65 | .4483 | ---- | ---- | ---- | ---- | 1461 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.30 | + | 0.62 | .4165 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.05 | + | 0.46 | .2981 | ---- | ---- | ---- | 130 | 492 | + 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.10 | + | 0.29 | .1839 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 8475 | ---- | ---- | ---- | ---- | ---- | 0.62 | + | 0.18 | .1136 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.54 | + | 0.16 | .1005 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.14 | + | 0.04 | .0287 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.06 | + | 0.02 | .0127 | ---- | ---- | ---- | ---- | 32 | UNCH |
| TOTAL | | | | | | | | | | | | | 132 | 8942 | + 132 |
| FEB19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 19.96 | + | 1.00 | .9425 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 18.17 | + | 0.99 | .9222 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 13.70 | + | 0.94 | .8457 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 13.15 | + | 0.94 | .8328 | ---- | ---- | ---- | ---- | 1021 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.76 | + | 0.94 | .8235 | ---- | ---- | ---- | ---- | 57 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.52 | + | 0.93 | .8179 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.38 | + | 0.94 | .8138 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5645 | ---- | ---- | ---- | ---- | ---- | 12.03 | + | 0.93 | .8048 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.61 | + | 0.91 | .7939 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.24 | + | 0.92 | .7834 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.88 | + | 0.92 | .7724 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.51 | + | 0.90 | .7614 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.16 | + | 0.91 | .7499 | ---- | ---- | ---- | ---- | 196 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.45 | + | 0.87 | .7265 | ---- | ---- | ---- | ---- | 1582 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 9.11 | + | 0.87 | .7144 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.78 | + | 0.87 | .7019 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.44 | + | 0.85 | .6894 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 8.43 | + | 0.85 | .6888 | ---- | ---- | ---- | ---- | 48 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.11 | + | 0.83 | .6764 | ---- | ---- | ---- | ---- | 159 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.63 | + | 0.81 | .6564 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.48 | + | 0.82 | .6496 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6345 | ---- | ---- | ---- | ---- | ---- | 7.19 | + | 0.79 | .6373 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.16 | + | 0.79 | .6359 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.86 | + | 0.78 | .6219 | ---- | ---- | ---- | ---- | 78 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.26 | + | 0.74 | .5933 | ---- | ---- | ---- | ---- | 2115 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 5.98 | + | 0.73 | .5785 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 5.93 | + | 0.73 | .5756 | ---- | ---- | ---- | ---- | 56 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.71 | + | 0.72 | .5636 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.45 | + | 0.71 | .5486 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.37 | + | 0.70 | .5440 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.19 | + | 0.69 | .5334 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 4.94 | + | 0.68 | .5182 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.46 | + | 0.64 | .4875 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.12 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 | + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 3.84 | + | 0.58 | .4444 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.80 | + | 0.58 | .4414 | ---- | ---- | ---- | ---- | 1461 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.41 | + | 0.55 | .4112 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.17 | + | 0.42 | .2997 | ---- | ---- | ---- | 130 | 592 | + 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.21 | + | 0.27 | .1909 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8550 | ---- | ---- | ---- | ---- | ---- | 0.66 | + | 0.18 | .1145 | ---- | ---- | ---- | ---- | 315 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.62 | + | 0.17 | .1086 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.18 | + | 0.06 | .0345 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.08 | + | 0.02 | .0160 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 132 | 9013 | + 132 |
| MAR19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 19.64 | + | 0.93 | .9283 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 17.89 | + | 0.92 | .9062 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5430 | ---- | ---- | ---- | ---- | ---- | 13.58 | + | 0.91 | .8256 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 13.04 | + | 0.90 | .8130 | ---- | ---- | ---- | ---- | 1021 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.67 | + | 0.91 | .8034 | ---- | ---- | ---- | ---- | 57 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.44 | + | 0.89 | .7977 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.29 | + | 0.90 | .7937 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5645 | ---- | ---- | ---- | ---- | ---- | 11.96 | + | 0.89 | .7848 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.56 | + | 0.89 | .7737 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.20 | + | 0.89 | .7634 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.85 | + | 0.89 | .7527 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.49 | + | 0.87 | .7419 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.14 | + | 0.86 | .7310 | ---- | ---- | ---- | ---- | 151 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.47 | + | 0.86 | .7080 | ---- | ---- | ---- | ---- | 1582 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 9.14 | + | 0.86 | .6962 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.80 | + | 0.83 | .6843 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.48 | + | 0.83 | .6721 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6152 | ---- | ---- | ---- | ---- | ---- | 8.47 | + | 0.83 | .6715 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.16 | + | 0.81 | .6597 | ---- | ---- | ---- | ---- | 155 | UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.69 | + | 0.80 | .6405 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 6345 | ---- | ---- | ---- | ---- | ---- | 7.26 | + | 0.78 | .6223 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.23 | + | 0.78 | .6209 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.93 | + | 0.76 | .6076 | ---- | ---- | ---- | ---- | 74 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.34 | + | 0.73 | .5802 | ---- | ---- | ---- | ---- | 2115 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 6.06 | + | 0.70 | .5661 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.00 | + | 0.69 | .5633 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.77 | + | 0.67 | .5518 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.51 | + | 0.65 | .5374 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.44 | + | 0.65 | .5332 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.26 | + | 0.64 | .5230 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.01 | + | 0.62 | .5084 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.54 | + | 0.59 | .4792 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.21 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 | + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 3.94 | + | 0.54 | .4386 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.90 | + | 0.54 | .4357 | ---- | ---- | ---- | ---- | 1461 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.52 | + | 0.52 | .4073 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.28 | + | 0.40 | .3011 | ---- | ---- | ---- | 130 | 492 | + 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.30 | + | 0.26 | .1958 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.69 | + | 0.18 | .1151 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.20 | + | 0.06 | .0371 | ---- | ---- | ---- | ---- | 1 | UNCH |

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Side 17

## FINAL



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT. & PT. | PRICE CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.09 | + 0.02 | .0175 | ---- | ---- | ---- | ---- | 28 UNCH |
| TOTAL | | | | | | | | | | | | 132 | 8547 + 132 |
| APR19 | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 19.37 | + 0.87 | .9172 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 17.66 | + 0.84 | .8933 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 14.84 | + 0.84 | .8418 | ---- | ---- | ---- | ---- | 300 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.93 | + 0.82 | .7983 | ---- | ---- | ---- | ---- | 755 UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.56 | + 0.81 | .7890 | ---- | ---- | ---- | ---- | 57 UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.35 | + 0.82 | .7831 | ---- | ---- | ---- | ---- | 5 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.20 | + 0.81 | .7793 | ---- | ---- | ---- | ---- | 55 UNCH |
| 5645 | ---- | ---- | ---- | ---- | ---- | 11.87 | + 0.81 | .7707 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.48 | + 0.80 | .7596 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.13 | + 0.80 | .7493 | ---- | ---- | ---- | ---- | 41 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.79 | + 0.80 | .7387 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.44 | + 0.79 | .7282 | ---- | ---- | ---- | ---- | 9 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.09 | + 0.77 | .7174 | ---- | ---- | ---- | ---- | 151 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.43 | + 0.75 | .6949 | ---- | ---- | ---- | ---- | 1655 UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 9.11 | + 0.75 | .6833 | ---- | ---- | ---- | ---- | 130 UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.47 | + 0.73 | .6597 | ---- | ---- | ---- | ---- | 44 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.16 | + 0.72 | .6476 | ---- | ---- | ---- | ---- | 80 UNCH |
| 6275 | ---- | ---- | ---- | ---- | ---- | 7.70 | + 0.71 | .6289 | ---- | ---- | ---- | ---- | 41 UNCH |
| 6345 | ---- | ---- | ---- | ---- | ---- | 7.28 | + 0.70 | .6112 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.26 | + 0.71 | .6099 | ---- | ---- | ---- | ---- | 15 UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.96 | + 0.69 | .5969 | ---- | ---- | ---- | ---- | 45 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.39 | + 0.66 | .5704 | ---- | ---- | ---- | ---- | 2070 UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 6.12 | + 0.64 | .5568 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.07 | + 0.64 | .5541 | ---- | ---- | ---- | ---- | 60 UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.86 | + 0.63 | .5431 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6645 | ---- | ---- | ---- | ---- | ---- | 5.63 | + 0.62 | .5308 | ---- | ---- | ---- | ---- | 4 UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.53 | + 0.62 | .5253 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.35 | + 0.60 | .5155 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.11 | + 0.59 | .5017 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.88 | + 0.58 | .4879 | ---- | ---- | ---- | ---- | 45 UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.32 | NEW | ---- | ---- | ---- | ---- | 2 | 2 + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.06 | + 0.52 | .4352 | ---- | ---- | ---- | ---- | 3 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.02 | + 0.52 | .4325 | ---- | ---- | ---- | ---- | 1441 UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.63 | + 0.49 | .4050 | ---- | ---- | ---- | ---- | 17 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.39 | + 0.39 | .3032 | ---- | ---- | ---- | 130 | 492 + 130 |
| 7775 | ---- | ---- | ---- | ---- | ---- | 1.78 | + 0.32 | .2433 | ---- | ---- | ---- | ---- | 275 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.40 | + 0.26 | .2017 | ---- | ---- | ---- | ---- | 170 UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.76 | + 0.18 | .1213 | ---- | ---- | ---- | ---- | 50 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.23 | + 0.07 | .0410 | ---- | ---- | ---- | ---- | 1 UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.11 | + 0.03 | .0204 | ---- | ---- | ---- | ---- | 27 UNCH |
| TOTAL | | | | | | | | | | | | 132 | 8540 + 132 |
| MAY19 | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 19.10 | + 0.80 | .9057 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 17.44 | + 0.79 | .8805 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 14.68 | + 0.77 | .8279 | ---- | ---- | ---- | ---- | 300 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.81 | + 0.74 | .7846 | ---- | ---- | ---- | ---- | 755 UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.45 | + 0.73 | .7753 | ---- | ---- | ---- | ---- | 57 UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.23 | + 0.73 | .7696 | ---- | ---- | ---- | ---- | 5 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.10 | + 0.73 | .7656 | ---- | ---- | ---- | ---- | 55 UNCH |
| 5645 | ---- | ---- | ---- | ---- | ---- | 11.78 | + 0.74 | .7569 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.39 | + 0.71 | .7462 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.71 | + 0.70 | .7256 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.37 | + 0.69 | .7152 | ---- | ---- | ---- | ---- | 9 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.04 | + 0.68 | .7045 | ---- | ---- | ---- | ---- | 151 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.39 | + 0.67 | .6824 | ---- | ---- | ---- | ---- | 1655 UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 9.07 | + 0.66 | .6712 | ---- | ---- | ---- | ---- | 130 UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.45 | + 0.66 | .6480 | ---- | ---- | ---- | ---- | 45 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.14 | + 0.65 | .6361 | ---- | ---- | ---- | ---- | 80 UNCH |
| 6345 | ---- | ---- | ---- | ---- | ---- | 7.29 | + 0.63 | .6006 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.26 | + 0.63 | .5993 | ---- | ---- | ---- | ---- | 15 UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.98 | + 0.63 | .5867 | ---- | ---- | ---- | ---- | 45 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.43 | + 0.61 | .5609 | ---- | ---- | ---- | ---- | 2070 UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 6.17 | + 0.60 | .5478 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.12 | + 0.60 | .5452 | ---- | ---- | ---- | ---- | 62 UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.91 | + 0.59 | .5347 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6645 | ---- | ---- | ---- | ---- | ---- | 5.69 | + 0.59 | .5229 | ---- | ---- | ---- | ---- | 4 UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.59 | + 0.58 | .5176 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.42 | + 0.57 | .5083 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.18 | + 0.56 | .4949 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.95 | + 0.54 | .4816 | ---- | ---- | ---- | ---- | 45 UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.40 | NEW | ---- | ---- | ---- | ---- | 2 | 2 + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.14 | + 0.49 | .4310 | ---- | ---- | ---- | ---- | 3 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.10 | + 0.49 | .4283 | ---- | ---- | ---- | ---- | 1441 UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.72 | + 0.47 | .4022 | ---- | ---- | ---- | ---- | 17 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.48 | + 0.37 | .3041 | ---- | ---- | ---- | 130 | 492 + 130 |
| 7775 | ---- | ---- | ---- | ---- | ---- | 1.87 | + 0.31 | .2464 | ---- | ---- | ---- | ---- | 275 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.49 | + 0.26 | .2063 | ---- | ---- | ---- | ---- | 170 UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.82 | + 0.18 | .1262 | ---- | ---- | ---- | ---- | 50 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.25 | + 0.07 | .0434 | ---- | ---- | ---- | ---- | 1 UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.12 | + 0.03 | .0218 | ---- | ---- | ---- | ---- | 26 UNCH |
| TOTAL | | | | | | | | | | | | 132 | 8460 + 132 |
| JUN19 | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 18.84 | + 0.75 | .8941 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 17.22 | + 0.75 | .8677 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 14.52 | + 0.73 | .8147 | ---- | ---- | ---- | ---- | 300 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.70 | + 0.70 | .7714 | ---- | ---- | ---- | ---- | 755 UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.35 | + 0.70 | .7621 | ---- | ---- | ---- | ---- | 57 UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.13 | + 0.70 | .7565 | ---- | ---- | ---- | ---- | 5 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.00 | + 0.70 | .7526 | ---- | ---- | ---- | ---- | 55 UNCH |
| 5645 | ---- | ---- | ---- | ---- | ---- | 11.69 | + 0.69 | .7440 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.31 | + 0.69 | .7333 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.63 | + 0.67 | .7132 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.30 | + 0.66 | .7029 | ---- | ---- | ---- | ---- | 9 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 9.98 | + 0.66 | .6924 | ---- | ---- | ---- | ---- | 151 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.33 | + 0.63 | .6709 | ---- | ---- | ---- | ---- | 1655 UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 9.02 | + 0.62 | .6597 | ---- | ---- | ---- | ---- | 130 UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.41 | + 0.61 | .6370 | ---- | ---- | ---- | ---- | 44 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.12 | + 0.62 | .6253 | ---- | ---- | ---- | ---- | 80 UNCH |
| 6345 | ---- | ---- | ---- | ---- | ---- | 7.29 | + 0.61 | .5906 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.26 | + 0.61 | .5893 | ---- | ---- | ---- | ---- | 15 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.47 | + 0.60 | .5521 | ---- | ---- | ---- | ---- | 2070 UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 6.21 | + 0.59 | .5395 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.15 | + 0.58 | .5369 | ---- | ---- | ---- | ---- | 60 UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.95 | + 0.57 | .5267 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6645 | ---- | ---- | ---- | ---- | ---- | 5.72 | + 0.56 | .5151 | ---- | ---- | ---- | ---- | 4 UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.62 | + 0.55 | .5100 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.45 | + 0.54 | .5009 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.21 | + 0.52 | .4879 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.45 | NEW | ---- | ---- | ---- | ---- | 2 | 2 + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.19 | + 0.46 | .4263 | ---- | ---- | ---- | ---- | 3 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.15 | + 0.46 | .4237 | ---- | ---- | ---- | ---- | 1441 UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.78 | + 0.44 | .3986 | ---- | ---- | ---- | ---- | 17 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.57 | + 0.36 | .3050 | ---- | ---- | ---- | 130 | 492 + 130 |
| 7775 | ---- | ---- | ---- | ---- | ---- | 1.94 | + 0.28 | .2481 | ---- | ---- | ---- | ---- | 275 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.57 | + 0.24 | .2100 | ---- | ---- | ---- | ---- | 170 UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.88 | + 0.17 | .1308 | ---- | ---- | ---- | ---- | 50 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.28 | + 0.07 | .0470 | ---- | ---- | ---- | ---- | 1 UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.15 | + 0.05 | .0258 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 132 | 8366 + 132 |
| JUL19 | | | | | | | | | | | | | |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| JUL19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 18.62 | + | 0.73 | .8835 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 17.03 | + | 0.71 | .8570 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 13.30 | + | 0.68 | .7781 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.60 | + | 0.68 | .7601 | ---- | ---- | ---- | ---- | 373 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.26 | + | 0.68 | .7509 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 12.04 | + | 0.67 | .7455 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 11.91 | + | 0.67 | .7417 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.22 | + | 0.64 | .7227 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.56 | + | 0.63 | .7029 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.23 | + | 0.62 | .6927 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 9.91 | + | 0.61 | .6823 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 9.59 | + | 0.60 | .6717 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.27 | + | 0.59 | .6610 | ---- | ---- | ---- | ---- | 1265 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 8.98 | + | 0.59 | .6500 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.38 | + | 0.58 | .6276 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.09 | + | 0.58 | .6162 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.26 | + | 0.58 | .5810 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.47 | + | 0.56 | .5445 | ---- | ---- | ---- | ---- | 2080 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.16 | + | 0.55 | .5297 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.96 | + | 0.54 | .5198 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.63 | + | 0.51 | .5034 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.46 | + | 0.50 | .4945 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.47 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 | + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.22 | + | 0.43 | .4220 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.19 | + | 0.44 | .4197 | ---- | ---- | ---- | ---- | 1506 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.82 | + | 0.41 | .3953 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.49 | + | 0.40 | .3717 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.89 | + | 0.35 | .3262 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.63 | + | 0.34 | .3048 | ---- | ---- | ---- | 130 | 522 | + 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.64 | + | 0.23 | .2130 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.94 | + | 0.16 | .1353 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.31 | + | 0.08 | .0504 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.16 | + | 0.05 | .0271 | ---- | ---- | ---- | ---- | 23 | UNCH |
| TOTAL | | | | | | | | | | | | | 132 | 7122 | + 132 |
| AUG19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 18.41 | + | 0.68 | .8737 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 16.86 | + | 0.68 | .8466 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 13.21 | + | 0.65 | .7675 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.51 | + | 0.64 | .7498 | ---- | ---- | ---- | ---- | 373 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.17 | + | 0.63 | .7409 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 11.96 | + | 0.63 | .7353 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 11.83 | + | 0.62 | .7316 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.16 | + | 0.60 | .7128 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.49 | + | 0.58 | .6933 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.18 | + | 0.58 | .6832 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 9.86 | + | 0.56 | .6730 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 9.54 | + | 0.55 | .6626 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.24 | + | 0.55 | .6519 | ---- | ---- | ---- | ---- | 1265 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 8.94 | + | 0.54 | .6412 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.36 | + | 0.54 | .6191 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.08 | + | 0.54 | .6079 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.27 | + | 0.54 | .5734 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.48 | + | 0.52 | .5377 | ---- | ---- | ---- | ---- | 2080 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.18 | + | 0.51 | .5233 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.98 | + | 0.50 | .5136 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.66 | + | 0.48 | .4977 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.49 | + | 0.47 | .4891 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.52 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 | + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.28 | + | 0.42 | .4189 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.24 | + | 0.41 | .4165 | ---- | ---- | ---- | ---- | 1506 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.89 | + | 0.41 | .3932 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.55 | + | 0.38 | .3700 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.96 | + | 0.33 | .3261 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.70 | + | 0.31 | .3053 | ---- | ---- | ---- | 130 | 522 | + 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.71 | + | 0.21 | .2160 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 1.01 | + | 0.15 | .1405 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.34 | + | 0.08 | .0536 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.18 | + | 0.05 | .0295 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | | 132 | 7121 | + 132 |
| SEP19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 18.25 | + | 0.63 | .8660 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 16.73 | + | 0.63 | .8384 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 13.13 | + | 0.59 | .7596 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.45 | + | 0.58 | .7420 | ---- | ---- | ---- | ---- | 373 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.12 | + | 0.58 | .7330 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5580 | ---- | ---- | ---- | ---- | ---- | 11.91 | + | 0.58 | .7276 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 11.78 | + | 0.57 | .7239 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.12 | + | 0.55 | .7052 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.47 | + | 0.53 | .6859 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.15 | + | 0.52 | .6760 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 9.85 | + | 0.52 | .6658 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 9.54 | + | 0.51 | .6555 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.24 | + | 0.51 | .6451 | ---- | ---- | ---- | ---- | 1265 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 8.95 | + | 0.51 | .6344 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.38 | + | 0.50 | .6128 | ---- | ---- | ---- | ---- | 34 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.09 | + | 0.49 | .6017 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.28 | + | 0.48 | .5678 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.52 | + | 0.48 | .5331 | ---- | ---- | ---- | ---- | 2080 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.22 | + | 0.47 | .5190 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 6.03 | + | 0.47 | .5096 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.72 | + | 0.46 | .4941 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.55 | + | 0.44 | .4857 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.61 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 | + 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.36 | + | 0.40 | .4177 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.32 | + | 0.40 | .4153 | ---- | ---- | ---- | ---- | 1506 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 3.96 | + | 0.38 | .3923 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.63 | + | 0.36 | .3700 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 3.05 | + | 0.32 | .3276 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.79 | + | 0.30 | .3074 | ---- | ---- | ---- | 130 | 522 | + 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.80 | + | 0.21 | .2206 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 1.08 | + | 0.14 | .1456 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.37 | + | 0.07 | .0569 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.20 | + | 0.05 | .0320 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | | 132 | 7118 | + 132 |
| OCT19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 18.09 | + | 0.59 | .8587 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 16.59 | + | 0.58 | .8309 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 13.05 | + | 0.55 | .7520 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.37 | + | 0.53 | .7347 | ---- | ---- | ---- | ---- | 373 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 12.04 | + | 0.52 | .7258 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 11.71 | + | 0.52 | .7166 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.06 | + | 0.51 | .6980 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.42 | + | 0.49 | .6789 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.12 | + | 0.49 | .6690 | ---- | ---- | ---- | ---- | 59 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 9.81 | + | 0.48 | .6589 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 9.51 | + | 0.47 | .6488 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.21 | + | 0.47 | .6384 | ---- | ---- | ---- | ---- | 1230 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 8.93 | + | 0.47 | .6280 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.36 | + | 0.46 | .6066 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.09 | + | 0.46 | .5957 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.29 | + | 0.45 | .5623 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.53 | + | 0.44 | .5282 | ---- | ---- | ---- | ---- | 2080 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.24 | + | 0.44 | .5144 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 6.06 | + | 0.45 | .5053 | ---- | ---- | ---- | ---- | 50 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| OCT19 | | | | | | | | | | | | | | | |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.76 | + | 0.44 | .4904 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.67 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 + | 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.43 | + | 0.41 | .4162 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.39 | + | 0.40 | .4138 | ---- | ---- | ---- | ---- | 930 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 4.03 | + | 0.38 | .3914 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.70 | + | 0.36 | .3696 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.86 | + | 0.29 | .3085 | ---- | ---- | ---- | 130 | 892 + | 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.87 | + | 0.20 | .2237 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 1.15 | + | 0.15 | .1505 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.41 | + | 0.08 | .0610 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.22 | + | 0.05 | .0343 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | | 132 | 6881 + | 132 |
| NOV19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 17.92 | + | 0.55 | .8521 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 16.45 | + | 0.55 | .8240 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 12.95 | + | 0.50 | .7453 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.28 | + | 0.49 | .7280 | ---- | ---- | ---- | ---- | 373 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 11.96 | + | 0.49 | .7191 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 11.64 | + | 0.49 | .7100 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.00 | + | 0.48 | .6915 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.37 | + | 0.46 | .6724 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.07 | + | 0.46 | .6626 | ---- | ---- | ---- | ---- | 59 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 9.76 | + | 0.45 | .6527 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 9.47 | + | 0.44 | .6426 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.18 | + | 0.44 | .6324 | ---- | ---- | ---- | ---- | 1230 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 8.89 | + | 0.44 | .6220 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.33 | + | 0.42 | .6008 | ---- | ---- | ---- | ---- | 34 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.06 | + | 0.43 | .5900 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.27 | + | 0.41 | .5570 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.54 | + | 0.43 | .5237 | ---- | ---- | ---- | ---- | 2080 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.25 | + | 0.42 | .5101 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 6.07 | + | 0.43 | .5012 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.78 | + | 0.43 | .4866 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.71 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 + | 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.47 | + | 0.40 | .4141 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.43 | + | 0.39 | .4118 | ---- | ---- | ---- | ---- | 930 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 4.08 | + | 0.38 | .3901 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.75 | + | 0.35 | .3687 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.92 | + | 0.28 | .3092 | ---- | ---- | ---- | 130 | 892 + | 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.93 | + | 0.19 | .2261 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 1.21 | + | 0.15 | .1544 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.44 | + | 0.07 | .0640 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.24 | + | 0.05 | .0366 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | | 132 | 6877 + | 132 |
| DEC19 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | ---- | ---- | ---- | 17.67 | + | 0.52 | .8462 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 16.20 | + | 0.51 | .8183 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 12.75 | + | 0.47 | .7388 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.10 | + | 0.46 | .7213 | ---- | ---- | ---- | ---- | 373 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 11.76 | + | 0.45 | .7125 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 11.44 | + | 0.44 | .7034 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 10.82 | + | 0.44 | .6848 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.20 | + | 0.42 | .6656 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 9.90 | + | 0.41 | .6557 | ---- | ---- | ---- | ---- | 59 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 9.61 | + | 0.41 | .6458 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 9.31 | + | 0.41 | .6356 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.03 | + | 0.41 | .6254 | ---- | ---- | ---- | ---- | 1230 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 8.75 | + | 0.40 | .6150 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 8.19 | + | 0.39 | .5938 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 7.92 | + | 0.38 | .5830 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.15 | + | 0.38 | .5500 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.43 | + | 0.39 | .5169 | ---- | ---- | ---- | ---- | 2106 | UNCH |
| 6560 | ---- | ---- | ---- | ---- | ---- | 6.15 | + | 0.39 | .5035 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.97 | + | 0.39 | .4946 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6665 | ---- | ---- | ---- | ---- | ---- | 5.68 | + | 0.38 | .4800 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6925 | ---- | ---- | ---- | ---- | ---- | 4.64 | | NEW | ---- | ---- | ---- | ---- | 2 | 2 + | 2 |
| 6990 | ---- | ---- | ---- | ---- | ---- | 4.40 | + | 0.35 | .4084 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.36 | + | 0.35 | .4061 | ---- | ---- | ---- | ---- | 930 | UNCH |
| 7100 | ---- | ---- | ---- | ---- | ---- | 4.01 | + | 0.33 | .3844 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.69 | + | 0.30 | .3635 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.89 | + | 0.26 | .3054 | ---- | ---- | ---- | 130 | 892 + | 130 |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.92 | + | 0.17 | .2240 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 1.32 | | NEW | .1648 | ---- | ---- | ---- | 125 | 125 + | 125 |
| 8600 | ---- | ---- | ---- | ---- | ---- | 1.22 | + | 0.14 | .1544 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.46 | + | 0.07 | .0658 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.25 | + | 0.05 | .0376 | ---- | ---- | ---- | ---- | 19 | UNCH |
| TOTAL | | | | | | | | | | | | | 257 | 7030 + | 257 |
| JAN20 | | | | | | | | | | | | | | | |
| 4800 | ---- | ---- | ---- | ---- | ---- | 16.70 | + | 0.47 | .8268 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 12.08 | + | 0.42 | .7195 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.92 | + | 0.41 | .7151 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 11.44 | + | 0.40 | .7016 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 9.76 | + | 0.38 | .6492 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.90 | + | 0.36 | .6189 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.35 | + | 0.36 | .5979 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.31 | + | 0.35 | .5547 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.32 | + | 0.31 | .4016 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.48 | + | 0.07 | .0676 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.27 | + | 0.05 | .0398 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | | | 425 | |
| FEB20 | | | | | | | | | | | | | | | |
| 4800 | ---- | ---- | ---- | ---- | ---- | 16.51 | + | 0.42 | .8219 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.95 | + | 0.38 | .7141 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.79 | + | 0.37 | .7097 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 11.31 | + | 0.37 | .6962 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 9.65 | + | 0.34 | .6438 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.80 | + | 0.33 | .6134 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.26 | + | 0.32 | .5925 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.23 | + | 0.31 | .5495 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.29 | + | 0.27 | .3979 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.50 | + | 0.06 | .0695 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.28 | + | 0.03 | .0408 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | | | 421 | |
| MAR20 | | | | | | | | | | | | | | | |
| 4800 | ---- | ---- | ---- | ---- | ---- | 16.32 | + | 0.38 | .8171 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.79 | + | 0.33 | .7090 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.63 | + | 0.33 | .7046 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 11.16 | + | 0.32 | .6910 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 9.53 | + | 0.31 | .6384 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.69 | + | 0.29 | .6079 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.14 | + | 0.28 | .5441 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.17 | + | 0.26 | .4471 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.25 | + | 0.23 | .3940 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.53 | + | 0.06 | .0722 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.29 | + | 0.02 | .0418 | ---- | ---- | ---- | ---- | 17 | UNCH |
| TOTAL | | | | | | | | | | | | | | 424 | |
| APR20 | | | | | | | | | | | | | | | |
| 4800 | ---- | ---- | ---- | ---- | ---- | 16.15 | + | 0.34 | .8125 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.67 | + | 0.30 | .7041 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.51 | + | 0.29 | .6997 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 11.05 | + | 0.29 | .6860 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 9.44 | + | 0.27 | .6334 | ---- | ---- | ---- | ---- | 5 | UNCH |

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# ENERGY OPTIONS



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*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | | |
| APR20 | | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.60 | + | 0.26 | .6030 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.08 | + | 0.25 | .5395 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.14 | + | 0.23 | .4435 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.23 | + | 0.19 | .3910 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.55 | + | 0.05 | .0739 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.31 | + | 0.02 | .0439 | ---- | ---- | ---- | ---- | 17 | UNCH |
| TOTAL | | | | | | | | | | | | | | 422 | |
| MAY20 | | | | | | | | | | | | | | | |
| 4800 | ---- | ---- | ---- | ---- | ---- | 15.97 | + | 0.32 | .8082 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.52 | + | 0.27 | .6992 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.37 | + | 0.27 | .6946 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.91 | + | 0.25 | .6810 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 9.32 | + | 0.25 | .6283 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.50 | + | 0.24 | .5978 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.00 | + | 0.22 | .5346 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.09 | + | 0.20 | .4393 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.20 | + | 0.17 | .3876 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.58 | + | 0.06 | .0766 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.33 | + | 0.02 | .0459 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | | | 423 | |
| JUN20 | | | | | | | | | | | | | | | |
| 4800 | ---- | ---- | ---- | ---- | ---- | 15.80 | + | 0.30 | .8034 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.39 | + | 0.25 | .6942 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.24 | + | 0.26 | .6897 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.79 | + | 0.25 | .6760 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 9.22 | + | 0.24 | .6232 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.41 | + | 0.23 | .5927 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 6.93 | + | 0.22 | .5298 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.17 | + | 0.16 | .3843 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.61 | + | 0.07 | .0791 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.35 | + | 0.03 | .0479 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | | | 413 | |
| JUL20 | | | | | | | | | | | | | | | |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.26 | + | 0.25 | .6895 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.11 | + | 0.25 | .6850 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.67 | + | 0.25 | .6712 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.32 | + | 0.23 | .5879 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 6.86 | + | 0.21 | .5253 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.15 | + | 0.16 | .3815 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.64 | + | 0.08 | .0817 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.37 | + | 0.04 | .0499 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | | | 389 | |
| AUG20 | | | | | | | | | | | | | | | |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.16 | + | 0.25 | .6851 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.00 | + | 0.24 | .6806 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.57 | + | 0.24 | .6668 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.25 | + | 0.23 | .5835 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 6.81 | + | 0.21 | .5213 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.13 | + | 0.15 | .3788 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.67 | + | 0.09 | .0842 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.39 | + | 0.05 | .0518 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | | | 389 | |
| SEP20 | | | | | | | | | | | | | | | |
| 5475 | ---- | ---- | ---- | ---- | ---- | 11.07 | + | 0.24 | .6812 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 10.92 | + | 0.23 | .6767 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.49 | + | 0.23 | .6629 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.19 | + | 0.21 | .5797 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 6.77 | + | 0.20 | .5179 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.13 | + | 0.15 | .3771 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.70 | + | 0.10 | .0866 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.41 | + | 0.06 | .0537 | ---- | ---- | ---- | ---- | 14 | UNCH |
| TOTAL | | | | | | | | | | | | | | 386 | |
| OCT20 | | | | | | | | | | | | | | | |
| 5475 | ---- | ---- | ---- | ---- | ---- | 10.98 | + | 0.22 | .6776 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 10.84 | + | 0.23 | .6731 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.41 | + | 0.22 | .6593 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.14 | + | 0.20 | .5761 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 6.73 | + | 0.18 | .5148 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.13 | + | 0.14 | .3756 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.73 | + | 0.10 | .0890 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.43 | + | 0.06 | .0555 | ---- | ---- | ---- | ---- | 14 | UNCH |
| TOTAL | | | | | | | | | | | | | | 388 | |
| NOV20 | | | | | | | | | | | | | | | |
| 5475 | ---- | ---- | ---- | ---- | ---- | 10.97 | + | 0.21 | .6747 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 10.83 | + | 0.22 | .6702 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.40 | + | 0.22 | .6565 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.12 | + | 0.20 | .5736 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 6.72 | + | 0.18 | .5127 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.14 | + | 0.14 | .3748 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.75 | + | 0.09 | .0906 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.46 | + | 0.06 | .0583 | ---- | ---- | ---- | ---- | 13 | UNCH |
| TOTAL | | | | | | | | | | | | | | 385 | |
| DEC20 | | | | | | | | | | | | | | | |
| 5475 | ---- | ---- | ---- | ---- | ---- | 10.95 | + | 0.19 | .6701 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 10.81 | + | 0.20 | .6657 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5575 | ---- | ---- | ---- | ---- | ---- | 10.37 | + | 0.19 | .6521 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.04 | + | 0.19 | .5692 | ---- | ---- | ---- | ---- | 185 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 6.63 | + | 0.17 | .5083 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.10 | + | 0.13 | .3716 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.71 | + | 0.03 | .0871 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.48 | + | 0.02 | .0600 | ---- | ---- | ---- | ---- | 13 | UNCH |
| TOTAL | | | | | | | | | | | | | | 387 | |
| JAN21 | | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.76 | + | 0.15 | .4645 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.09 | + | 0.12 | .3695 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.72 | + | 0.02 | .0878 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.49 | + | 0.01 | .0609 | ---- | ---- | ---- | ---- | 13 | UNCH |
| TOTAL | | | | | | | | | | | | | | 155 | |
| FEB21 | | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.74 | + | 0.14 | .4621 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.09 | + | 0.11 | .3682 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.73 | + | 0.02 | .0886 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.51 | + | 0.02 | .0626 | ---- | ---- | ---- | ---- | 13 | UNCH |
| TOTAL | | | | | | | | | | | | | | 155 | |
| MAR21 | | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.70 | + | 0.13 | .4591 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.08 | + | 0.11 | .3664 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.74 | + | 0.02 | .0893 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.51 | + | 0.01 | .0626 | ---- | ---- | ---- | ---- | 12 | UNCH |
| TOTAL | | | | | | | | | | | | | | 154 | |
| APR21 | | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.68 | + | 0.12 | .4564 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.08 | + | 0.10 | .3649 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.76 | + | 0.02 | .0908 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.53 | + | 0.02 | .0643 | ---- | ---- | ---- | ---- | 12 | UNCH |
| TOTAL | | | | | | | | | | | | | | 154 | |

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**FINAL**

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Side 21



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | |
| MAY21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.67 + 0.12 | .4545 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.09 + 0.10 | .3641 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.77 + 0.02 | .0916 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.54 + 0.02 | .0651 | ---- | ---- | ---- | ---- | 12 | UNCH |
| TOTAL | | | | | | | | | | | | 154 | |
| JUN21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.65 + 0.11 | .4524 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.10 + 0.10 | .3632 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.79 + 0.03 | .0931 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.55 + 0.02 | .0660 | ---- | ---- | ---- | ---- | 11 | UNCH |
| TOTAL | | | | | | | | | | | | 153 | |
| JUL21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.62 + 0.10 | .4497 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.10 + 0.09 | .3619 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.80 + 0.02 | .0938 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.56 + 0.02 | .0668 | ---- | ---- | ---- | ---- | 11 | UNCH |
| TOTAL | | | | | | | | | | | | 153 | |
| AUG21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.62 + 0.10 | .4483 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.11 + 0.09 | .3613 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.82 + 0.03 | .0953 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.57 + 0.01 | .0676 | ---- | ---- | ---- | ---- | 11 | UNCH |
| TOTAL | | | | | | | | | | | | 153 | |
| SEP21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.62 + 0.10 | .4469 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.13 + 0.09 | .3610 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.83 + 0.02 | .0960 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.58 + 0.01 | .0684 | ---- | ---- | ---- | ---- | 11 | UNCH |
| TOTAL | | | | | | | | | | | | 153 | |
| OCT21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.62 + 0.10 | .4456 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.15 + 0.09 | .3608 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.85 + 0.02 | .0975 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.60 + 0.02 | .0701 | ---- | ---- | ---- | ---- | 11 | UNCH |
| TOTAL | | | | | | | | | | | | 153 | |
| NOV21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.61 + 0.09 | .4440 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.17 + 0.08 | .3606 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.88 + 0.02 | .0998 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.61 + 0.02 | .0709 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 152 | |
| DEC21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.58 + 0.08 | .4416 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.18 + 0.07 | .3598 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.92 + 0.02 | .1027 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.63 + 0.02 | .0725 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 152 | |
| JAN22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.63 + 0.02 | .0725 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | |
| FEB22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.63 + 0.02 | .0724 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | |
| MAR22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.01 | .0716 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | |
| APR22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.01 | .0716 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | |
| MAY22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.02 | .0716 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| JUN22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.02 | .0715 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| JUL22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.02 | .0715 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| AUG22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.61 + 0.01 | .0707 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| SEP22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.61 + 0.02 | .0707 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| OCT22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.61 + 0.02 | .0707 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| NOV22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.61 + 0.02 | .0706 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| DEC22 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.62 + 0.02 | .0714 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| JAN23 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.63 + 0.02 | .0723 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |
| FEB23 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.63 + 0.02 | .0722 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |
| MAR23 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.64 + 0.02 | .0730 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |
| APR23 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.65 + 0.02 | .0738 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |
| MAY23 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.66 + 0.02 | .0746 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |
| JUN23 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.66 + 0.02 | .0746 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |
| JUL23 | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.67 + 0.02 | .0754 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |

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# ENERGY OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO CALL | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | |
| AUG23 | | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.68 | + 0.02 | .0762 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | | 8 | |
| SEP23 | | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.68 | + 0.02 | .0762 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | | 8 | |
| OCT23 | | | | | | | | | | | | | | |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.69 | + 0.02 | .0770 | ---- | ---- | ---- | ---- | 8 | UNCH |
| TOTAL | | | | | | | | | | | | | 8 | |
| AO PUT | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 261 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 776 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1509 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 455 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 13 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 15 | UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 120 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 153 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 3577 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 125 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 550 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 203 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 474 | UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 5785 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 136 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 45 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 45 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 438 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 6 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 250 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 3 | UNCH |
| 5910 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 74 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 519 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 284 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 46 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 0.79 | - 0.31 | .9999 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 2.79 | - 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 52.78 | - 0.31 | 1.0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | 16518 | |
| JUL18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 261 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 957 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 2909 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 337 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 13 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4325 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 153 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 4498 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 225 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 550 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 341 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 241 | UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 31 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 6403 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 132 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 180 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 90 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1351 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 234 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 2034 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 1486 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0003 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0018 | ---- | ---- | ---- | ---- | 188 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.03 | .0045 | ---- | ---- | ---- | ---- | 1225 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.08 | .0195 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.15 | .0322 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.39 | .1007 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 47.66 | - 2.15 | 1.0000 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | 25022 | |
| AUG18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 261 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 957 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 2909 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 337 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 13 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4325 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 153 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 4503 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 341 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 241 | UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0003 | ---- | ---- | ---- | ---- | 6396 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0006 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0012 | ---- | ---- | ---- | ---- | 132 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0022 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0039 | ---- | ---- | ---- | ---- | 180 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0071 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0073 | ---- | ---- | ---- | ---- | 1350 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0108 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.02 | .0144 | ---- | ---- | ---- | ---- | 234 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.03 | .0210 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.04 | .0278 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.06 | .0376 | ---- | ---- | ---- | ---- | 1502 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.08 | .0415 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.20 | - 0.13 | .0661 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 0.29 | - 0.17 | .0910 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.54 | - 0.30 | .1553 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 0.72 | - 0.39 | .1974 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 49.03 | - 1.91 | 1.0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 21735 | |
| SEP18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 261 | UNCH |

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**FINAL**



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**PRICE INDICATOR KEY**

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO PUT | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 955 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 2906 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 337 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4325 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0003 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0005 | ---- | ---- | ---- | ---- | 153 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0009 | ---- | ---- | ---- | ---- | 4500 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0014 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0024 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0030 | ---- | ---- | ---- | ---- | 341 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0054 | ---- | ---- | ---- | ---- | 241 | UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0054 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0057 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0083 | ---- | ---- | ---- | ---- | 6387 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .0109 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.02 | .0137 | ---- | ---- | ---- | ---- | 132 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.02 | .0186 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.03 | .0238 | ---- | ---- | ---- | ---- | 180 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.10 | - 0.03 | .0264 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.04 | .0291 | ---- | ---- | ---- | ---- | 1412 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.06 | .0367 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 0.19 | - 0.07 | .0483 | ---- | ---- | ---- | ---- | 234 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.24 | - 0.09 | .0602 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.31 | - 0.12 | .0758 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.40 | - 0.15 | .0950 | ---- | ---- | ---- | ---- | 1501 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 0.45 | - 0.17 | .1055 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.66 | - 0.22 | .1456 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 0.83 | - 0.27 | .1765 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 1.29 | - 0.38 | .2515 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 1.58 | - 0.45 | .2945 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 50.03 | - 1.74 | .9999 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 21757 | |
| OCT18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 261 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 1056 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0022 | ---- | ---- | ---- | ---- | 2754 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0041 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0043 | ---- | ---- | ---- | ---- | 337 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0044 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0045 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4325 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .0062 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .0065 | ---- | ---- | ---- | ---- | 153 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0068 | ---- | ---- | ---- | ---- | 3626 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .0089 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .0111 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.01 | .0130 | ---- | ---- | ---- | ---- | 341 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.01 | .0133 | ---- | ---- | ---- | ---- | 241 | UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.02 | .0134 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.01 | .0174 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.02 | .0200 | ---- | ---- | ---- | ---- | 6700 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.02 | .0259 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.03 | .0305 | ---- | ---- | ---- | ---- | 132 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.04 | .0384 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.22 | - 0.05 | .0465 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.24 | - 0.06 | .0508 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.27 | - 0.07 | .0564 | ---- | ---- | ---- | ---- | 1468 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.34 | - 0.08 | .0694 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 0.42 | - 0.10 | .0840 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.47 | - 0.11 | .0927 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.52 | - 0.13 | .1014 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.64 | - 0.15 | .1215 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.78 | - 0.19 | .1442 | ---- | ---- | ---- | ---- | 1136 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 1.16 | - 0.25 | .2001 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 1.39 | - 0.30 | .2319 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 1.52 | - 0.32 | .2490 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 1.81 | - 0.36 | .2854 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 1.97 | - 0.38 | .3045 | ---- | ---- | ---- | ---- | 575 | UNCH |
| TOTAL | | | | | | | | | | | | | 20681 | |
| NOV18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 261 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0011 | ---- | ---- | ---- | ---- | 1055 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .0056 | ---- | ---- | ---- | ---- | 2751 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0058 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .0077 | ---- | ---- | ---- | ---- | 337 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.05 | UNCH | .0093 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .0095 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.06 | UNCH | .0112 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.01 | .0114 | ---- | ---- | ---- | ---- | 153 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.08 | UNCH | .0149 | ---- | ---- | ---- | ---- | 3625 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.01 | .0170 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.01 | .0207 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.02 | .0226 | ---- | ---- | ---- | ---- | 341 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.13 | - 0.02 | .0245 | ---- | ---- | ---- | ---- | 241 | UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.13 | - 0.02 | .0246 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.16 | - 0.02 | .0298 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.19 | - 0.03 | .0353 | ---- | ---- | ---- | ---- | 6689 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.24 | - 0.03 | .0435 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.29 | - 0.05 | .0520 | ---- | ---- | ---- | ---- | 132 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.35 | - 0.06 | .0619 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.43 | - 0.07 | .0743 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.47 | - 0.08 | .0806 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.52 | - 0.08 | .0880 | ---- | ---- | ---- | ---- | 1468 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.63 | - 0.10 | .1041 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 0.76 | - 0.12 | .1223 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.83 | - 0.13 | .1320 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.90 | - 0.15 | .1418 | ---- | ---- | ---- | ---- | 27 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 1.08 | - 0.17 | .1649 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 1.27 | - 0.20 | .1891 | ---- | ---- | ---- | ---- | 1133 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 1.75 | - 0.25 | .2451 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 2.03 | - 0.28 | .2760 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 2.18 | - 0.30 | .2921 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 2.51 | - 0.34 | .3258 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 2.69 | - 0.35 | .3433 | ---- | ---- | ---- | ---- | 575 | UNCH |
| TOTAL | | | | | | | | | | | | | 20682 | |
| DEC18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 261 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0019 | ---- | ---- | ---- | ---- | 1056 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.02 | .0072 | ---- | ---- | ---- | ---- | 2753 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.01 | .0103 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.01 | .0121 | ---- | ---- | ---- | ---- | 337 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.01 | .0137 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.02 | .0140 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.10 | - 0.02 | .0172 | ---- | ---- | ---- | ---- | 153 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.13 | - 0.02 | .0219 | ---- | ---- | ---- | ---- | 3625 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.03 | .0253 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.04 | .0302 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.20 | - 0.04 | .0333 | ---- | ---- | ---- | ---- | 341 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.22 | - 0.04 | .0364 | ---- | ---- | ---- | ---- | 241 | UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.23 | - 0.04 | .0377 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.27 | - 0.05 | .0438 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.33 | - 0.05 | .0525 | ---- | ---- | ---- | ---- | 6699 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.40 | - 0.06 | .0624 | ---- | ---- | ---- | ---- | 54 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO PUT | | CRUDE OIL APO OPTIONS | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.48 - 0.07 | .0735 | ---- | ---- | ---- | ---- | 132 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.57 - 0.09 | .0858 | ---- | ---- | ---- | ---- | 1 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.69 - 0.10 | .1010 | ---- | ---- | ---- | ---- | 130 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.75 - 0.11 | .1086 | ---- | ---- | ---- | ---- | 90 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.81 - 0.12 | .1164 | ---- | ---- | ---- | ---- | 1468 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.96 - 0.13 | .1344 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 1.13 - 0.15 | .1542 | ---- | ---- | ---- | ---- | 9 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 1.22 - 0.16 | .1645 | ---- | ---- | ---- | ---- | 150 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 1.32 - 0.16 | .1756 | ---- | ---- | ---- | ---- | 178 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 1.53 - 0.18 | .1985 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 1.76 - 0.21 | .2229 | ---- | ---- | ---- | ---- | 1149 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 2.30 - 0.26 | .2770 | ---- | ---- | ---- | ---- | 140 UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 2.62 - 0.28 | .3067 | ---- | ---- | ---- | ---- | 200 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 2.78 - 0.30 | .3217 | ---- | ---- | ---- | ---- | 12 UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 3.14 - 0.33 | .3533 | ---- | ---- | ---- | ---- | 12 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 3.33 - 0.34 | .3695 | ---- | ---- | ---- | ---- | 575 UNCH |
| TOTAL | | | | | | | | | | | | 20803 |
| JAN19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0016 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0048 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0079 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.06 UNCH | .0093 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.08 UNCH | .0126 | ---- | ---- | ---- | ---- | 621 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0155 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.12 - 0.01 | .0185 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.13 - 0.01 | .0200 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.14 - 0.01 | .0216 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.03 | .0304 | ---- | ---- | ---- | ---- | 942 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.24 - 0.04 | .0361 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.29 - 0.04 | .0429 | ---- | ---- | ---- | ---- | 72 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.32 - 0.04 | .0469 | ---- | ---- | ---- | ---- | 240 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.35 - 0.05 | .0509 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.36 - 0.05 | .0520 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.51 - 0.06 | .0709 | ---- | ---- | ---- | ---- | 1991 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.60 - 0.08 | .0821 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.72 - 0.08 | .0958 | ---- | ---- | ---- | ---- | 330 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.84 - 0.10 | .1098 | ---- | ---- | ---- | ---- | 2 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 0.99 - 0.10 | .1261 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 1.07 - 0.11 | .1346 | ---- | ---- | ---- | ---- | 45 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 1.15 - 0.12 | .1433 | ---- | ---- | ---- | 130 | 2162 - 30 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 1.53 - 0.15 | .1821 | ---- | ---- | ---- | ---- | 28 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 1.75 - 0.16 | .2036 | ---- | ---- | ---- | ---- | 31 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 2.26 - 0.19 | .2510 | ---- | ---- | ---- | 256 | 1030 + 256 |
| 6100 | ---- | ---- | ---- | ---- | ---- | 2.54 - 0.21 | .2763 | ---- | ---- | ---- | ---- | 150 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 2.84 - 0.24 | .3029 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 3.35 - 0.28 | .3454 | ---- | ---- | ---- | ---- | 15 UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 3.73 - 0.30 | .3753 | ---- | ---- | ---- | ---- | 15 UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 19.39 - 0.97 | .9028 | ---- | ---- | ---- | ---- | 31 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 20.42 - 0.98 | .9128 | ---- | ---- | ---- | ---- | 31 UNCH |
| TOTAL | | | | | | | | | | | 386 | 8209 + 226 |
| FEB19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.02 + 0.01 | .0029 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0073 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.08 UNCH | .0116 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.09 UNCH | .0129 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.13 UNCH | .0184 | ---- | ---- | ---- | ---- | 618 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.16 UNCH | .0223 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.19 UNCH | .0263 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.01 | .0278 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.22 - 0.01 | .0304 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.31 - 0.03 | .0418 | ---- | ---- | ---- | ---- | 935 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.37 - 0.03 | .0491 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.44 - 0.04 | .0574 | ---- | ---- | ---- | ---- | 66 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.48 - 0.04 | .0620 | ---- | ---- | ---- | ---- | 240 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.52 - 0.04 | .0667 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.53 - 0.04 | .0678 | ---- | ---- | ---- | ---- | 28 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.73 - 0.05 | .0896 | ---- | ---- | ---- | ---- | 1991 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.85 - 0.06 | .1023 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.99 - 0.07 | .1166 | ---- | ---- | ---- | ---- | 330 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 1.15 - 0.08 | .1323 | ---- | ---- | ---- | ---- | 3 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 1.33 - 0.08 | .1493 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 1.42 - 0.09 | .1579 | ---- | ---- | ---- | ---- | 45 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 1.52 - 0.09 | .1671 | ---- | ---- | ---- | 130 | 2149 - 30 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 1.95 - 0.12 | .2060 | ---- | ---- | ---- | ---- | 28 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 2.20 - 0.12 | .2275 | ---- | ---- | ---- | ---- | 24 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 2.75 - 0.16 | .2734 | ---- | ---- | ---- | 244 | 1018 + 244 |
| 6100 | ---- | ---- | ---- | ---- | ---- | 3.06 - 0.17 | .2980 | ---- | ---- | ---- | ---- | 150 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 3.38 - 0.20 | .3236 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 3.91 - 0.24 | .3640 | ---- | ---- | ---- | ---- | 24 UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 4.29 - 0.27 | .3922 | ---- | ---- | ---- | ---- | 40 UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 19.92 - 0.87 | .8946 | ---- | ---- | ---- | ---- | 28 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 20.94 - 0.88 | .9053 | ---- | ---- | ---- | ---- | 28 UNCH |
| TOTAL | | | | | | | | | | | 374 | 8187 + 214 |
| MAR19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0040 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.08 UNCH | .0106 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.12 - 0.01 | .0159 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.13 - 0.01 | .0172 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.19 - 0.01 | .0246 | ---- | ---- | ---- | ---- | 621 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.23 - 0.01 | .0293 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.27 - 0.01 | .0341 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.29 - 0.02 | .0366 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.31 - 0.03 | .0391 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.44 - 0.03 | .0535 | ---- | ---- | ---- | ---- | 942 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.52 - 0.03 | .0621 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.61 - 0.04 | .0716 | ---- | ---- | ---- | ---- | 72 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.66 - 0.04 | .0767 | ---- | ---- | ---- | ---- | 240 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.71 - 0.05 | .0819 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.72 - 0.05 | .0829 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.97 - 0.05 | .1069 | ---- | ---- | ---- | ---- | 1990 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 1.12 - 0.06 | .1208 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 1.29 - 0.06 | .1361 | ---- | ---- | ---- | ---- | 330 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 1.47 - 0.06 | .1520 | ---- | ---- | ---- | ---- | 2 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 1.67 - 0.07 | .1691 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 1.77 - 0.07 | .1777 | ---- | ---- | ---- | ---- | 45 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 1.88 - 0.08 | .1869 | ---- | ---- | ---- | 130 | 2180 - 30 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 2.37 - 0.08 | .2262 | ---- | ---- | ---- | ---- | 28 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 2.64 - 0.09 | .2472 | ---- | ---- | ---- | ---- | 29 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 3.23 - 0.12 | .2919 | ---- | ---- | ---- | 256 | 1030 + 256 |
| 6100 | ---- | ---- | ---- | ---- | ---- | 3.55 - 0.14 | .3156 | ---- | ---- | ---- | ---- | 150 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 3.89 - 0.16 | .3402 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 4.44 - 0.19 | .3790 | ---- | ---- | ---- | ---- | 29 UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 4.82 - 0.23 | .4059 | ---- | ---- | ---- | ---- | 45 UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 20.40 - 0.80 | .8891 | ---- | ---- | ---- | ---- | 31 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 21.41 - 0.82 | .8994 | ---- | ---- | ---- | ---- | 31 UNCH |
| TOTAL | | | | | | | | | | | 386 | 8268 + 226 |
| APR19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.04 UNCH | .0051 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.11 UNCH | .0137 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.16 - 0.02 | .0199 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.18 - 0.01 | .0221 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.25 - 0.03 | .0302 | ---- | ---- | ---- | ---- | 615 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.29 - 0.04 | .0348 | ---- | ---- | ---- | ---- | 9 UNCH |

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# ENERGY OPTIONS

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**FINAL**

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Side 25



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO PUT | | CRUDE OIL APO OPTIONS | | | | | | | | | | |
| APR19 | | | | | | | | | | | | |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.37 - 0.05 | .0436 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.05 | .0469 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.56 - 0.06 | .0632 | ---- | ---- | ---- | ---- | 728 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.65 - 0.07 | .0722 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.76 - 0.07 | .0827 | ---- | ---- | 10 | ---- | 70 + 10 |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.82 - 0.07 | .0883 | ---- | ---- | ---- | ---- | 240 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.88 - 0.08 | .0940 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 0.90 - 0.07 | .0956 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 1.17 - 0.10 | .1199 | ---- | ---- | ---- | ---- | 1985 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 1.35 - 0.09 | .1349 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 1.53 - 0.10 | .1500 | ---- | ---- | ---- | ---- | 330 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 1.73 - 0.11 | .1663 | ---- | ---- | ---- | ---- | 2 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 1.95 - 0.11 | .1837 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 2.06 - 0.11 | .1924 | ---- | ---- | ---- | ---- | 45 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.18 - 0.11 | .2017 | ---- | ---- | ---- | 130 | 2187 - 30 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 2.69 - 0.14 | .2403 | ---- | ---- | ---- | ---- | 28 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 3.59 - 0.18 | .3050 | ---- | ---- | ---- | 132 | 1056 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 4.28 - 0.21 | .3523 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 5.25 - 0.26 | .4162 | ---- | ---- | ---- | ---- | 16 UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 20.81 - 0.75 | .8827 | ---- | ---- | ---- | ---- | 30 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 21.81 - 0.77 | .8937 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | 10 | 262 | 7831 + 112 |
| MAY19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0062 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.13 - 0.02 | .0157 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.21 - 0.02 | .0245 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.23 - 0.02 | .0266 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.31 - 0.04 | .0355 | ---- | ---- | ---- | ---- | 616 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.37 - 0.05 | .0416 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.47 - 0.06 | .0517 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.51 - 0.06 | .0556 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.69 - 0.07 | .0728 | ---- | ---- | ---- | ---- | 648 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.08 | .0828 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.93 - 0.09 | .0942 | ---- | ---- | 10 | ---- | 72 + 10 |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.09 | .1002 | ---- | ---- | ---- | ---- | 240 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 1.07 - 0.10 | .1062 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 1.09 - 0.09 | .1078 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 1.40 - 0.11 | .1333 | ---- | ---- | ---- | ---- | 1985 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 1.59 - 0.11 | .1482 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 1.79 - 0.12 | .1638 | ---- | ---- | ---- | ---- | 330 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.01 - 0.12 | .1803 | ---- | ---- | ---- | ---- | 2 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 2.24 - 0.13 | .1975 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 2.36 - 0.13 | .2064 | ---- | ---- | ---- | ---- | 45 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.48 - 0.14 | .2153 | ---- | ---- | ---- | 130 | 2204 - 30 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 3.02 - 0.17 | .2537 | ---- | ---- | ---- | ---- | 28 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 3.96 - 0.21 | .3175 | ---- | ---- | ---- | 132 | 1056 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 4.67 - 0.23 | .3638 | ---- | ---- | ---- | ---- | 50 UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 21.23 - 0.70 | .8777 | ---- | ---- | ---- | ---- | 31 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 22.23 - 0.72 | .8883 | ---- | ---- | ---- | ---- | 31 UNCH |
| TOTAL | | | | | | | | | | 10 | 262 | 7758 + 112 |
| JUN19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.07 UNCH | .0082 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.18 - 0.01 | .0201 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.27 - 0.02 | .0296 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.29 - 0.02 | .0317 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.03 | .0426 | ---- | ---- | ---- | ---- | 615 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.47 - 0.03 | .0493 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.59 - 0.04 | .0605 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.63 - 0.05 | .0643 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.85 - 0.06 | .0834 | ---- | ---- | ---- | ---- | 645 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.98 - 0.07 | .0943 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 1.12 - 0.08 | .1058 | ---- | ---- | 10 | ---- | 70 + 10 |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.20 - 0.08 | .1121 | ---- | ---- | ---- | ---- | 240 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 1.28 - 0.08 | .1185 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 1.30 - 0.08 | .1199 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 1.65 - 0.09 | .1465 | ---- | ---- | ---- | ---- | 1985 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 1.85 - 0.10 | .1613 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.07 - 0.10 | .1772 | ---- | ---- | ---- | ---- | 330 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.30 - 0.10 | .1936 | ---- | ---- | ---- | ---- | 2 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 2.54 - 0.12 | .2106 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.80 - 0.13 | .2285 | ---- | ---- | ---- | 130 | 2201 - 30 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 3.37 - 0.14 | .2666 | ---- | ---- | ---- | ---- | 28 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 4.32 - 0.20 | .3290 | ---- | ---- | ---- | 132 | 1056 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 5.07 - 0.21 | .3746 | ---- | ---- | ---- | ---- | 50 UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 21.66 - 0.66 | .8730 | ---- | ---- | ---- | ---- | 30 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 22.66 - 0.67 | .8833 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | 10 | 262 | 7701 + 112 |
| JUL19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.08 - 0.01 | .0092 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.21 - 0.02 | .0227 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.32 - 0.02 | .0336 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.35 - 0.02 | .0364 | ---- | ---- | ---- | ---- | 5 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.48 - 0.03 | .0486 | ---- | ---- | ---- | ---- | 583 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.56 - 0.03 | .0557 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.75 - 0.05 | .0723 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.87 - 0.05 | .0821 | ---- | ---- | ---- | ---- | 45 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.05 | .0926 | ---- | ---- | ---- | ---- | 930 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.15 - 0.06 | .1042 | ---- | ---- | ---- | ---- | 70 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 1.31 - 0.06 | .1164 | ---- | ---- | ---- | ---- | 62 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.39 - 0.07 | .1226 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 1.48 - 0.07 | .1292 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 1.50 - 0.07 | .1306 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 1.87 - 0.08 | .1573 | ---- | ---- | ---- | ---- | 1961 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 2.09 - 0.08 | .1725 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.32 - 0.09 | .1883 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.56 - 0.10 | .2046 | ---- | ---- | ---- | ---- | 113 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 2.82 - 0.11 | .2218 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 3.10 - 0.11 | .2398 | ---- | ---- | ---- | 230 | 2142 - 130 |
| 5600 | ---- | ---- | ---- | ---- | ---- | 3.38 - 0.12 | .2582 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 3.67 - 0.15 | .2772 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 4.65 - 0.20 | .3389 | ---- | ---- | ---- | 132 | 1001 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 5.42 - 0.21 | .3837 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.72 NEW | .4554 | ---- | ---- | ---- | 100 | 100 + 100 |
| 8640 | ---- | ---- | ---- | ---- | ---- | 22.04 - 0.63 | .8684 | ---- | ---- | ---- | ---- | 31 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 23.03 - 0.64 | .8794 | ---- | ---- | ---- | ---- | 31 UNCH |
| TOTAL | | | | | | | | | | | 462 | 8090 + 102 |
| AUG19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.11 UNCH | .0118 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.26 - 0.01 | .0267 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.39 - 0.01 | .0388 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.43 - 0.01 | .0422 | ---- | ---- | ---- | ---- | 5 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.58 - 0.01 | .0554 | ---- | ---- | ---- | ---- | 583 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.67 - 0.02 | .0630 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.89 - 0.03 | .0808 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 1.02 - 0.03 | .0909 | ---- | ---- | ---- | ---- | 45 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.17 - 0.03 | .1021 | ---- | ---- | ---- | ---- | 930 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.33 - 0.04 | .1139 | ---- | ---- | ---- | ---- | 70 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 1.50 - 0.05 | .1262 | ---- | ---- | ---- | ---- | 62 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.60 - 0.04 | .1330 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 1.69 - 0.05 | .1395 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 1.71 - 0.05 | .1408 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 2.11 - 0.06 | .1679 | ---- | ---- | ---- | ---- | 1961 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 2.34 - 0.06 | .1831 | ---- | ---- | ---- | ---- | 30 UNCH |

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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO PUT | | CRUDE OIL APO OPTIONS | | | | | | | | | | |
| AUG19 | | | | | | | | | | | | |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.58 - 0.07 | .1989 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.84 - 0.07 | .2154 | ---- | ---- | ---- | ---- | 113 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 3.11 - 0.08 | .2325 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 3.39 - 0.09 | .2501 | ---- | ---- | ---- | 230 | 2147 - 130 |
| 5600 | ---- | ---- | ---- | ---- | ---- | 3.68 - 0.11 | .2683 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 3.98 - 0.13 | .2871 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 4.99 - 0.18 | .3480 | ---- | ---- | ---- | 132 | 1001 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 5.77 - 0.19 | .3920 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 7.09 NEW | .4622 | ---- | ---- | ---- | 100 | 100 + 100 |
| 8640 | ---- | ---- | ---- | ---- | ---- | 22.42 - 0.58 | .8640 | ---- | ---- | ---- | ---- | 31 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 23.40 - 0.59 | .8746 | ---- | ---- | ---- | ---- | 31 UNCH |
| TOTAL | | | | | | | | | | | 462 | 8095 + 102 |
| SEP19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.12 - 0.01 | .0127 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.01 | .0297 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.45 - 0.01 | .0430 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.48 - 0.02 | .0458 | ---- | ---- | ---- | ---- | 5 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.65 - 0.03 | .0600 | ---- | ---- | ---- | ---- | 583 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.76 - 0.02 | .0686 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.04 | .0872 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 1.15 - 0.03 | .0980 | ---- | ---- | ---- | ---- | 45 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.30 - 0.05 | .1090 | ---- | ---- | ---- | ---- | 928 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.48 - 0.05 | .1214 | ---- | ---- | ---- | ---- | 70 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 1.66 - 0.06 | .1339 | ---- | ---- | ---- | ---- | 60 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.76 - 0.06 | .1405 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 1.86 - 0.06 | .1473 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 1.88 - 0.06 | .1486 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 2.30 - 0.07 | .1759 | ---- | ---- | ---- | ---- | 1961 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 2.54 - 0.07 | .1911 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.80 - 0.07 | .2071 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 3.06 - 0.09 | .2233 | ---- | ---- | ---- | ---- | 112 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 3.34 - 0.10 | .2403 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 3.63 - 0.11 | .2579 | ---- | ---- | ---- | 230 | 2142 - 130 |
| 5600 | ---- | ---- | ---- | ---- | ---- | 3.93 - 0.12 | .2760 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 4.24 - 0.14 | .2947 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 5.28 - 0.18 | .3549 | ---- | ---- | ---- | 132 | 1001 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 6.07 - 0.20 | .3982 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 7.41 NEW | .4668 | ---- | ---- | ---- | 100 | 100 + 100 |
| 8640 | ---- | ---- | ---- | ---- | ---- | 22.73 - 0.54 | .8579 | ---- | ---- | ---- | ---- | 30 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 23.71 - 0.55 | .8683 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | | 462 | 8082 + 102 |
| OCT19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.13 - 0.02 | .0136 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.34 - 0.01 | .0327 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.51 - 0.01 | .0471 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.55 - 0.01 | .0504 | ---- | ---- | ---- | ---- | 5 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.74 - 0.01 | .0655 | ---- | ---- | ---- | ---- | 583 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.85 - 0.02 | .0740 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 1.12 - 0.03 | .0937 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 1.27 - 0.04 | .1044 | ---- | ---- | ---- | ---- | 45 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.44 - 0.04 | .1160 | ---- | ---- | ---- | ---- | 1256 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.63 - 0.04 | .1285 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 1.82 - 0.05 | .1412 | ---- | ---- | ---- | ---- | 62 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.93 - 0.05 | .1481 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 2.03 - 0.06 | .1547 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 2.06 - 0.05 | .1564 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 2.49 - 0.07 | .1835 | ---- | ---- | ---- | ---- | 2056 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 2.75 - 0.06 | .1990 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 3.01 - 0.07 | .2147 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 3.28 - 0.09 | .2310 | ---- | ---- | ---- | ---- | 112 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 3.57 - 0.09 | .2479 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 3.86 - 0.11 | .2653 | ---- | ---- | ---- | 230 | 2626 - 130 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 4.49 - 0.13 | .3019 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 5.55 - 0.17 | .3615 | ---- | ---- | ---- | 132 | 1001 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 6.36 - 0.18 | .4042 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 7.71 NEW | .4717 | ---- | ---- | ---- | 100 | 100 + 100 |
| 8640 | ---- | ---- | ---- | ---- | ---- | 23.04 - 0.50 | .8537 | ---- | ---- | ---- | ---- | 31 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 24.01 - 0.50 | .8638 | ---- | ---- | ---- | ---- | 31 UNCH |
| TOTAL | | | | | | | | | | | 462 | 8914 + 102 |
| NOV19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.15 - 0.02 | .0152 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.38 - 0.01 | .0355 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.56 - 0.02 | .0504 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.61 - 0.02 | .0542 | ---- | ---- | ---- | ---- | 5 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.82 - 0.02 | .0702 | ---- | ---- | ---- | ---- | 583 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.94 - 0.03 | .0791 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 1.23 - 0.03 | .0995 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 1.40 - 0.03 | .1108 | ---- | ---- | ---- | ---- | 45 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.57 - 0.05 | .1223 | ---- | ---- | ---- | ---- | 1253 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.77 - 0.05 | .1350 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 1.97 - 0.06 | .1478 | ---- | ---- | ---- | ---- | 60 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 2.08 - 0.06 | .1546 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 2.19 - 0.06 | .1615 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 2.22 - 0.06 | .1631 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 2.68 - 0.06 | .1907 | ---- | ---- | ---- | ---- | 2056 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 2.94 - 0.07 | .2060 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 3.21 - 0.08 | .2217 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 3.48 - 0.10 | .2378 | ---- | ---- | ---- | ---- | 112 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 3.77 - 0.11 | .2546 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 4.07 - 0.12 | .2719 | ---- | ---- | ---- | 230 | 2617 - 130 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 4.72 - 0.13 | .3084 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 5.80 - 0.17 | .3676 | ---- | ---- | ---- | 132 | 1001 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 6.62 - 0.18 | .4099 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 8.00 NEW | .4762 | ---- | ---- | ---- | 100 | 100 + 100 |
| 8640 | ---- | ---- | ---- | ---- | ---- | 23.33 - 0.47 | .8496 | ---- | ---- | ---- | ---- | 30 UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 24.30 - 0.47 | .8604 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | | 462 | 8897 + 102 |
| DEC19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.17 - 0.02 | .0168 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.42 - 0.01 | .0384 | ---- | ---- | ---- | ---- | 90 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.62 - 0.02 | .0543 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.67 - 0.02 | .0581 | ---- | ---- | ---- | ---- | 5 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.89 - 0.02 | .0745 | ---- | ---- | ---- | ---- | 583 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 1.02 - 0.03 | .0838 | ---- | ---- | ---- | ---- | 9 UNCH |
| 4205 | ---- | ---- | ---- | ---- | ---- | 1.17 NEW | ---- | ---- | ---- | ---- | 125 | 125 + 125 |
| 4300 | ---- | ---- | ---- | ---- | ---- | 1.32 - 0.04 | .1045 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 1.49 - 0.05 | .1158 | ---- | ---- | ---- | ---- | 45 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.68 - 0.05 | .1279 | ---- | ---- | ---- | ---- | 1268 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.88 - 0.05 | .1406 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 2.09 - 0.06 | .1537 | ---- | ---- | ---- | ---- | 62 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 2.20 - 0.06 | .1604 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 2.31 - 0.07 | .1673 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4810 | ---- | ---- | ---- | ---- | ---- | 2.34 - 0.06 | .1689 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 2.80 - 0.08 | .1964 | ---- | ---- | ---- | ---- | 2056 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.07 - 0.08 | .2120 | ---- | ---- | ---- | ---- | 30 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 3.34 - 0.10 | .2277 | ---- | ---- | ---- | ---- | 310 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 3.63 - 0.10 | .2442 | ---- | ---- | ---- | ---- | 112 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 3.93 - 0.11 | .2611 | ---- | ---- | ---- | ---- | 40 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 4.24 - 0.12 | .2786 | ---- | ---- | ---- | 230 | 2631 - 130 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 4.89 - 0.14 | .3151 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.00 - 0.17 | .3745 | ---- | ---- | ---- | 132 | 1001 + 132 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 6.82 - 0.20 | .4169 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 8.23 NEW | .4830 | ---- | ---- | ---- | 100 | 100 + 100 |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS

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**FINAL**

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Side 27



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO PUT | | CRUDE OIL APO OPTIONS | | | | | | | | | | | |
| DEC19 | | | | | | | | | | | | | |
| 8640 | ---- | ---- | ---- | ---- | ---- | 23.64 - 0.44 | .8489 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 24.60 - 0.45 | .8595 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | 587 | 9056 + | 227 |
| JAN20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.19 - 0.02 | .0184 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.72 - 0.02 | .0613 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.96 - 0.03 | .0786 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 1.10 - 0.03 | .0883 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.25 - 0.03 | .0986 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.79 - 0.05 | .1334 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 2.94 - 0.08 | .2024 | ---- | ---- | ---- | ---- | 192 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.21 - 0.09 | .2179 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 3.49 - 0.10 | .2338 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 4.40 - 0.13 | .2848 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 23.93 - 0.40 | .8481 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 24.89 - 0.41 | .8577 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 600 | |
| FEB20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.03 | .0193 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.77 - 0.03 | .0644 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.02 - 0.04 | .0821 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 1.17 - 0.03 | .0922 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.32 - 0.05 | .1024 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.88 - 0.06 | .1378 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.07 - 0.09 | .2077 | ---- | ---- | ---- | ---- | 192 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.34 - 0.10 | .2231 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 3.63 - 0.10 | .2392 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 4.55 - 0.13 | .2902 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 24.18 - 0.37 | .8464 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 25.15 - 0.36 | .8560 | ---- | ---- | ---- | ---- | 29 | UNCH |
| TOTAL | | | | | | | | | | | | 592 | |
| MAR20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.22 - 0.02 | .0208 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.83 - 0.02 | .0680 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.08 - 0.04 | .0856 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 1.24 - 0.03 | .0960 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.40 - 0.04 | .1065 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.97 - 0.06 | .1421 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.18 - 0.09 | .2124 | ---- | ---- | ---- | ---- | 192 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.46 - 0.10 | .2280 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 3.75 - 0.11 | .2441 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 4.68 - 0.13 | .2953 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 24.41 - 0.33 | .8455 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 25.39 - 0.32 | .8542 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 600 | |
| APR20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.24 - 0.02 | .0223 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.88 - 0.03 | .0709 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.16 - 0.03 | .0897 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 1.31 - 0.04 | .0997 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.48 - 0.05 | .1105 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.07 - 0.06 | .1466 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.30 - 0.10 | .2171 | ---- | ---- | ---- | ---- | 196 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.59 - 0.11 | .2329 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 3.88 - 0.12 | .2489 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 4.82 - 0.14 | .3003 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 24.64 - 0.30 | .8438 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 25.61 - 0.30 | .8524 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 600 | |
| MAY20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.26 - 0.01 | .0237 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.93 - 0.03 | .0738 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.21 - 0.04 | .0926 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 1.38 - 0.04 | .1034 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.55 - 0.05 | .1142 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.16 - 0.06 | .1508 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.41 - 0.10 | .2217 | ---- | ---- | ---- | ---- | 203 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.70 - 0.11 | .2375 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.00 - 0.11 | .2537 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 4.96 - 0.13 | .3053 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 24.88 - 0.27 | .8422 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 25.84 - 0.27 | .8514 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 611 | |
| JUN20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.28 - 0.01 | .0252 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.99 - 0.03 | .0772 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.29 - 0.03 | .0967 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.64 - 0.04 | .1184 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.26 - 0.05 | .1552 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.53 - 0.09 | .2264 | ---- | ---- | ---- | ---- | 202 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.83 - 0.09 | .2423 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.13 - 0.09 | .2585 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.10 - 0.11 | .3102 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 25.10 - 0.24 | .8413 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 26.07 - 0.24 | .8497 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 598 | |
| JUL20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.01 | .0266 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.35 - 0.04 | .0999 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.71 - 0.04 | .1219 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.34 - 0.06 | .1589 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.64 - 0.08 | .2308 | ---- | ---- | ---- | ---- | 196 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 3.94 - 0.09 | .2467 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.24 - 0.10 | .2629 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.23 - 0.11 | .3149 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 25.32 - 0.23 | .8397 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 26.29 - 0.23 | .8480 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 576 | |
| AUG20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.32 - 0.01 | .0280 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.42 - 0.02 | .1033 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.79 - 0.03 | .1256 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.43 - 0.04 | .1628 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.75 - 0.06 | .2350 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 4.05 - 0.07 | .2509 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.36 - 0.07 | .2672 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.36 - 0.09 | .3193 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 25.53 - 0.20 | .8381 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 26.49 - 0.20 | .8463 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 570 | |
| SEP20 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.34 - 0.01 | .0294 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.48 - 0.02 | .1062 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.86 - 0.03 | .1288 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.52 - 0.03 | .1664 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.86 - 0.05 | .2388 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 4.16 - 0.05 | .2547 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.47 - 0.06 | .2710 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.49 - 0.07 | .3232 | ---- | ---- | ---- | ---- | 20 | UNCH |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AO PUT | | CRUDE OIL APO OPTIONS | | | | | | | | | | | | |
| SEP20 | | | | | | | | | | | | | | |
| 8640 | ---- | ---- | ---- | ---- | ---- | 25.70 | - 0.18 | .8364 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 26.67 | - 0.17 | .8439 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 566 | |
| OCT20 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.36 | UNCH | .0307 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.54 | - 0.01 | .1091 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.93 | - 0.01 | .1319 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.60 | - 0.02 | .1697 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.95 | - 0.03 | .2422 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 4.26 | - 0.03 | .2582 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.57 | - 0.04 | .2745 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.61 | - 0.04 | .3268 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 25.87 | - 0.14 | .8347 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 26.84 | - 0.14 | .8421 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 570 | |
| NOV20 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.38 | - 0.01 | .0320 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.60 | - 0.01 | .1117 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.99 | - 0.02 | .1344 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.68 | - 0.02 | .1726 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.06 | - 0.03 | .2453 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 4.38 | - 0.02 | .2613 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.70 | - 0.03 | .2777 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.75 | - 0.03 | .3298 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 25.97 | - 0.14 | .8337 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 26.93 | - 0.13 | .8417 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 566 | |
| DEC20 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.42 | + 0.01 | .0344 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.67 | - 0.01 | .1150 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 2.08 | UNCH | .1382 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.79 | - 0.01 | .1767 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.24 | - 0.02 | .2502 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 4.57 | - 0.01 | .2662 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.91 | - 0.01 | .2826 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.97 | - 0.02 | .3343 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8640 | ---- | ---- | ---- | ---- | ---- | 26.06 | - 0.16 | .8395 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 8750 | ---- | ---- | ---- | ---- | ---- | 27.01 | - 0.16 | .8483 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 570 | |
| JAN21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.75 | UNCH | .1185 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.35 | - 0.01 | .2541 | ---- | ---- | ---- | ---- | 185 | UNCH |
| TOTAL | | | | | | | | | | | | | 246 | |
| FEB21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.81 | UNCH | .1212 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.44 | - 0.01 | .2572 | ---- | ---- | ---- | ---- | 185 | UNCH |
| TOTAL | | | | | | | | | | | | | 246 | |
| MAR21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.87 | UNCH | .1239 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.53 | UNCH | .2606 | ---- | ---- | ---- | ---- | 185 | UNCH |
| TOTAL | | | | | | | | | | | | | 246 | |
| APR21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.94 | + 0.01 | .1269 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.63 | + 0.01 | .2641 | ---- | ---- | ---- | ---- | 185 | UNCH |
| TOTAL | | | | | | | | | | | | | 246 | |
| MAY21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.00 | + 0.01 | .1294 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.71 | + 0.01 | .2668 | ---- | ---- | ---- | ---- | 185 | UNCH |
| TOTAL | | | | | | | | | | | | | 246 | |
| JUN21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.06 | UNCH | .1319 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.78 | UNCH | .2696 | ---- | ---- | ---- | ---- | 185 | UNCH |
| TOTAL | | | | | | | | | | | | | 246 | |
| JUL21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.13 | + 0.01 | .1349 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.87 | UNCH | .2729 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 126 | |
| AUG21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.18 | + 0.01 | .1369 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.94 | + 0.01 | .2753 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 126 | |
| SEP21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.24 | UNCH | .1393 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 5.01 | UNCH | .2778 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 126 | |
| OCT21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.31 | + 0.02 | .1418 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 5.09 | + 0.02 | .2802 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 126 | |
| NOV21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.35 | + 0.01 | .1436 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 5.15 | + 0.01 | .2827 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 126 | |
| DEC21 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.41 | + 0.01 | .1461 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 5.23 | + 0.02 | .2856 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 126 | |
| 6F PUT | | CRUDE OIL OPTION ON CALENDAR STRP | | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.10 | - 0.01 | .0203 | ---- | ---- | ---- | ---- | 85 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 1.01 | - 0.13 | .1523 | ---- | ---- | ---- | ---- | 85 | UNCH |
| TOTAL | | | | | | | | | | | | | 170 | |
| LO1 CALL | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 7.77 | + 2.18 | .9962 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 7.27 | + 2.16 | .9936 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 6.78 | + 2.14 | .9877 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 6.29 | + 2.11 | .9816 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.80 | + 2.08 | .9752 | ---- | ---- | ---- | ---- | 18 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.32 | + 2.03 | .9634 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6800 | 4.22 | 4.22 | #4.22/4.22 | #4.22/4.22 | ---- | 4.84 | + 1.97 | .9510 | ---- | ---- | 2 | ---- | 9 | UNCH |
| 6850 | 4.11 | 4.11 | #4.11/4.11 | #4.11/4.11 | ---- | 4.37 | + 1.88 | .9333 | ---- | ---- | 1 | ---- | 5 | UNCH |
| 6950 | 3.22 | 3.22 | #3.22/3.22 | #3.22/3.22 | ---- | 3.47 | + 1.67 | .8785 | ---- | ---- | 1 | ---- | 4 | UNCH |
| 7000 | 2.27 | 2.27 | #3.20/2.27 | #3.20/2.27 | ---- | 3.04 | + 1.54 | .8419 | ---- | ---- | 15 | ---- | 118 | + 2 |
| 7050 | 2.66 | 2.66 | #2.75/2.25A | #2.75/2.25A | ---- | 2.63 | + 1.40 | .7975 | ---- | ---- | 13 | ---- | 12 | UNCH |
| 7100 | 1.79 | 1.79 | #2.43B/1.69A | #2.43B/1.69A | ---- | 2.25 | + 1.26 | .7437 | ---- | ---- | 7 | ---- | 10 | - 2 |
| 7150 | 1.38 | 1.38 | #2.08B/1.38 | #2.08B/1.38 | ---- | 1.91 | + 1.12 | .6810 | ---- | ---- | 11 | ---- | 11 | + 9 |

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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO1 CALL | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 7200 | 0.93 | 0.93 | #1.77B/0.85A | #1.77B/0.85A | ---- | 1.60 | + 0.97 | .6140 | ---- | ---- | 28 | ---- | 31 - | 1 |
| 7250 | 0.95 | 0.95 | #1.49B/0.95 | #1.49B/0.95 | ---- | 1.32 | + 0.83 | .5444 | ---- | ---- | 13 | ---- | 17 + | 11 |
| 7300 | 1.04 | 1.04 | #1.27B/0.86A | #1.27B/0.86A | ---- | 1.06 | + 0.68 | .4734 | ---- | ---- | 112 | ---- | 79 + | 55 |
| 7350 | 0.76 | 0.76 | #1.05B/0.71A | #1.05B/0.71A | ---- | 0.84 | + 0.55 | .4027 | ---- | ---- | 1 | ---- | 1 | UNCH |
| 7400 | ---- | ---- | #0.87B/---- | #0.87B/---- | ---- | 0.67 | + 0.45 | .3374 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7450 | 0.64 | 0.64 | #0.71B/0.44A | #0.71B/0.44A | ---- | 0.54 | + 0.37 | .2804 | ---- | ---- | 54 | ---- | 56 + | 53 |
| 7500 | 0.17 | 0.17 | #0.58/0.17 | #0.58/0.17 | ---- | 0.44 | + 0.31 | .2325 | ---- | ---- | 106 | ---- | 50 + | 18 |
| 7550 | ---- | ---- | #0.48B/---- | #0.48B/---- | ---- | 0.36 | + 0.26 | .1922 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 7600 | 0.12 | 0.12 | #0.40B/0.12 | #0.40B/0.12 | ---- | 0.29 | + 0.21 | .1570 | ---- | ---- | 9 | ---- | 17 + | 7 |
| 7700 | 0.12 | 0.12 | #0.27B/*0.12 | #0.27B/*0.12 | ---- | 0.19 | NEW | .1041 | ---- | ---- | 67 | ---- | 67 + | 67 |
| 7750 | 0.06 | 0.06 | #0.23B/0.06 | #0.23B/0.06 | ---- | 0.15 | + 0.11 | .0830 | ---- | ---- | 1 | ---- | 2 | UNCH |
| 7850 | 0.11 | 0.11 | #0.11/*0.10A | #0.11/*0.10A | ---- | 0.10 | NEW | .0549 | ---- | ---- | 6 | ---- | 6 + | 6 |
| 8000 | 0.07 | 0.07 | #0.09/*0.06A | #0.09/*0.06A | ---- | 0.06 | + 0.05 | .0316 | ---- | ---- | 68 | ---- | 77 + | 67 |
| 8250 | 0.03 | 0.03 | #0.03/*0.03 | #0.03/*0.03 | ---- | 0.02 | NEW | .0102 | ---- | ---- | 80 | ---- | 72 + | 72 |
| TOTAL | | | | | | | | | | | 595 | | 683 + | 364 |
| LO1 PUT | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5550 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 8 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 21 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 21 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 6250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6300 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.01 | - 0.01 | .0003 | ---- | ---- | 2 | ---- | 21 + | 2 |
| 6350 | ---- | ---- | ----/*0.01A | ----/*0.01A | ---- | 0.01 | - 0.02 | .0006 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6400 | ---- | ---- | ----/*0.02A | ----/*0.02A | ---- | 0.01 | - 0.03 | .0012 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6450 | 0.03 | 0.03 | 0.03/*0.02A | 0.03/*0.02A | ---- | 0.01 | - 0.04 | .0021 | ---- | ---- | 6 | ---- | 15 - | 6 |
| 6500 | 0.03 | 0.03 | 0.03/*0.02A | 0.03/*0.02A | ---- | 0.01 | - 0.05 | .0037 | ---- | ---- | 3 | ---- | 13 | UNCH |
| 6550 | ---- | ---- | ----/*0.02A | ----/*0.02A | ---- | 0.01 | - 0.08 | .0063 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6600 | 0.03 | 0.03 | 0.03/*0.03 | 0.03/*0.03 | ---- | 0.02 | - 0.09 | .0122 | ---- | ---- | 4 | ---- | 204 + | 2 |
| 6650 | ---- | ---- | ----/*0.04A | ----/*0.04A | ---- | 0.03 | - 0.12 | .0183 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6700 | 0.10 | 0.10 | 0.10/*0.05A | 0.10/*0.05A | ---- | 0.04 | - 0.16 | .0247 | ---- | ---- | 21 | ---- | 33 - | 4 |
| 6750 | 0.08 | 0.08 | 0.08/*0.06A | 0.08/*0.06A | ---- | 0.06 | - 0.20 | .0365 | ---- | ---- | 1 | ---- | 102 | UNCH |
| 6800 | 0.18 | 0.18 | 0.19/*0.08 | 0.19/*0.08 | ---- | 0.08 | - 0.27 | .0489 | ---- | ---- | 86 | ---- | 85 + | 82 |
| 6850 | 0.33 | 0.33 | 0.33/*0.10A | 0.33/*0.10A | ---- | 0.11 | - 0.35 | .0666 | ---- | ---- | 77 | ---- | 78 + | 73 |
| 6900 | 0.22 | 0.22 | #0.22/*0.13 | #0.22/*0.13 | ---- | 0.15 | NEW | .0896 | ---- | ---- | 3 | ---- | 3 + | 3 |
| 6950 | 0.20 | 0.20 | #0.27B/*0.19A | #0.27B/*0.19A | ---- | 0.21 | NEW | .1214 | ---- | ---- | 2 | ---- | 2 + | 2 |
| 7000 | 0.90 | 0.90 | 0.90/*0.25 | 0.90/*0.25 | ---- | 0.28 | - 0.69 | .1580 | ---- | ---- | 107 | ---- | 53 + | 12 |
| 7050 | 1.09 | 1.09 | 1.10/*0.35A | 1.10/*0.35A | ---- | 0.37 | - 0.83 | .2025 | ---- | ---- | 3 | ---- | 5 + | 2 |
| 7100 | 0.80 | 0.80 | 0.81/*0.45 | 0.81/*0.45 | ---- | 0.49 | - 0.97 | .2563 | ---- | ---- | 9 | ---- | 7 + | 5 |
| 7150 | 1.13 | 1.13 | #1.14B/*0.61A | #1.14B/*0.61A | ---- | 0.65 | NEW | .3189 | ---- | ---- | 2 | ---- | 1 + | 1 |
| 7200 | 0.84 | 0.84 | #1.06B/*0.84 | #1.06B/*0.84 | ---- | 0.84 | NEW | .3859 | ---- | ---- | 2 | ---- | 2 + | 2 |
| 7250 | 1.34 | 1.34 | #1.34/*1.00A | #1.34/*1.00A | ---- | 1.06 | NEW | .4555 | ---- | ---- | 20 | ---- | 20 + | 20 |
| 7300 | ---- | ---- | ---- | ---- | ---- | 1.30 | NEW | .5265 | ---- | ---- | 50 | ---- | 50 + | 50 |
| TOTAL | | | | | | | | | | | 398 | | 820 + | 246 |
| LO2 CALL | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | #5.75B/---- | #5.75B/---- | ---- | 7.89 | + 2.15 | .9489 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.58 | + 1.80 | .8634 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 7000 | ---- | ---- | #3.19B/---- | #3.19B/---- | ---- | 3.33 | + 1.52 | .7717 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7050 | 2.15 | 2.15 | #3.08B/*2.15 | #3.08B/*2.15 | ---- | 2.95 | NEW | .7321 | ---- | ---- | 9 | ---- | 9 + | 9 |
| 7100 | ---- | ---- | #2.73B/---- | #2.73B/---- | ---- | 2.59 | + 1.29 | .6886 | ---- | ---- | 20 | ---- | 23 - | 9 |
| 7150 | ---- | ---- | #2.41B/---- | #2.41B/---- | ---- | 2.26 | + 1.17 | .6407 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 7200 | ---- | ---- | #2.12B/---- | #2.12B/---- | ---- | 1.95 | + 1.05 | .5904 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7250 | 1.02 | 1.02 | #1.85B/1.00A | #1.85B/1.00A | ---- | 1.67 | + 0.93 | .5379 | ---- | ---- | 31 | ---- | 7 + | 4 |
| 7300 | 0.78 | 0.78 | #1.61B/*0.78 | #1.61B/*0.78 | ---- | 1.42 | NEW | .4846 | ---- | ---- | 6 | ---- | 6 + | 6 |
| 7400 | 1.14 | 1.14 | #1.20/0.92 | #1.20/0.92 | ---- | 1.02 | + 0.62 | .3819 | ---- | ---- | 25 | ---- | 20 | UNCH |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.86 | NEW | .3347 | ---- | ---- | 24 | ---- | 4 + | 4 |
| 7800 | ---- | ---- | #0.35B/---- | #0.35B/---- | ---- | 0.27 | + 0.20 | .1203 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | 115 | | 165 + | 14 |
| LO2 PUT | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 5550 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0032 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.02 | .0070 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5950 | 0.03 | 0.03 | 0.03/*0.03 | 0.03/*0.03 | ---- | 0.03 | - 0.03 | .0105 | ---- | ---- | 6 | ---- | 1 - | 6 |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.03 | .0109 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.05 | .0220 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.06 | .0298 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.06 | .0412 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.13 | - 0.08 | .0510 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.10 | .0593 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6700 | ---- | ---- | ----/*0.25A | ----/*0.25A | ---- | 0.20 | - 0.22 | .0847 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 6750 | ---- | ---- | ----/*0.25A | ----/*0.25A | ---- | 0.23 | - 0.28 | .0984 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6800 | ---- | ---- | ----/*0.25A | ----/*0.25A | ---- | 0.27 | - 0.35 | .1157 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 6900 | 0.43 | 0.43 | #0.43/*0.35A | #0.43/*0.35A | ---- | 0.39 | NEW | .1632 | ---- | ---- | 3 | 100 | 103 + | 103 |
| 7000 | ---- | ---- | ----/*0.54A | ----/*0.54A | ---- | 0.57 | - 0.71 | .2282 | ---- | ---- | ---- | ---- | 4 | UNCH |
| TOTAL | | | | | | | | | | | 9 | 100 | 190 + | 97 |
| LO3 CALL | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 7300 | 0.88 | 0.88 | #1.15B/*0.86A | #1.15B/*0.86A | ---- | 0.96 | NEW | .3479 | ---- | ---- | 23 | ---- | 23 + | 23 |
| 7350 | 0.76 | 0.76 | #1.00B/*0.74A | #1.00B/*0.74A | ---- | 0.81 | NEW | .3057 | ---- | ---- | 23 | ---- | 23 + | 23 |
| 7400 | 0.66 | 0.66 | #0.87B/*0.64 | #0.87B/*0.64 | ---- | 0.68 | NEW | .2666 | ---- | ---- | 46 | ---- | 46 + | 46 |
| TOTAL | | | | | | | | | | | 92 | | 92 + | 92 |
| LO3 PUT | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 6500 | 0.25 | 0.25 | #0.25/*0.25 | #0.25/*0.25 | ---- | 0.18 | NEW | .0763 | ---- | ---- | 1 | ---- | 1 + | 1 |
| 6750 | 0.51 | 0.51 | #0.53B/*0.51 | #0.53B/*0.51 | ---- | 0.47 | NEW | .1812 | ---- | ---- | 15 | ---- | 15 + | 15 |
| 6800 | 0.54 | 0.54 | #0.65B/*0.54 | #0.65B/*0.54 | ---- | 0.57 | NEW | .2128 | ---- | ---- | 2 | ---- | 2 + | 2 |
| 6850 | 0.76 | 0.76 | #0.79B/*0.76 | #0.79B/*0.76 | ---- | 0.68 | NEW | .2468 | ---- | ---- | 23 | ---- | 23 + | 23 |
| 7000 | 1.56 | 1.56 | #1.56/*1.17 | #1.56/*1.17 | ---- | 1.14 | NEW | .3698 | ---- | ---- | 23 | ---- | 20 + | 20 |
| TOTAL | | | | | | | | | | | 64 | | 61 + | 61 |
| LO5 CALL | | CRUDE OIL OPTIONS | | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | | |
| 6400 | ---- | ---- | ---- | ---- | ---- | 8.76 | + 2.23 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 8.26 | + 2.23 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 7.76 | + 2.22 | .9999 | ---- | ---- | ---- | ---- | 27 | UNCH |
| 6550 | ---- | ---- | ---- | ---- | ---- | 7.26 | + 2.22 | .9999 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6600 | 4.55 | 4.55 | #4.68/4.55 | #4.68/4.55 | ---- | 6.76 | + 2.21 | .9998 | ---- | ---- | 3 | ---- | 79 - | 3 |
| 6650 | ---- | ---- | ---- | ---- | ---- | 6.27 | + 2.20 | .9995 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.77 | + 2.18 | .9988 | ---- | ---- | ---- | ---- | 323 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.27 | + 2.15 | .9971 | ---- | ---- | 1 | ---- | 5 - | 1 |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.78 | + 2.11 | .9931 | ---- | ---- | 2 | ---- | 42 - | 2 |
| 6850 | 4.24 | 4.24 | #4.24/4.24 | #4.24/4.24 | ---- | 4.28 | + 2.05 | .9923 | ---- | ---- | 1 | ---- | 47 - | 1 |
| 6900 | 2.85 | 2.85 | #3.67/2.85 | #3.67/2.85 | ---- | 3.79 | + 1.96 | .9865 | ---- | ---- | 15 | ---- | 167 - | 8 |
| 6950 | 2.00 | 2.00 | #3.30/2.00 | #3.30/2.00 | ---- | 3.30 | + 1.84 | .9793 | ---- | ---- | 16 | ---- | 88 - | 13 |
| 7000 | 1.14 | 1.14 | #2.60/1.14 | #2.60/1.14 | ---- | 2.82 | + 1.69 | .9643 | ---- | ---- | 46 | ---- | 248 - | 27 |
| 7050 | 1.31 | 1.31 | #1.66B/1.27A | #1.66B/1.27A | ---- | 2.36 | + 1.50 | .9336 | ---- | ---- | 21 | ---- | 400 - | 12 |
| 7100 | 0.86 | 0.86 | #2.11/0.80A | #2.11/0.80A | ---- | 1.92 | + 1.29 | .8846 | ---- | ---- | 160 | ---- | 188 - | 75 |
| 7150 | 0.47 | 0.47 | #1.55B/0.47 | #1.55B/0.47 | ---- | 1.52 | + 1.07 | .8060 | ---- | ---- | 13 | ---- | 343 + | 9 |
| 7200 | 0.38 | 0.38 | #1.33B/0.31 | #1.33B/0.31 | ---- | 1.16 | + 0.84 | .7013 | ---- | ---- | 92 | ---- | 220 + | 29 |
| 7250 | 0.36 | 0.36 | #1.02B/0.30A | #1.02B/0.30A | ---- | 0.86 | + 0.63 | .5737 | ---- | ---- | 380 | ---- | 397 + | 306 |
| 7300 | 0.25 | 0.25 | #0.79B/0.21A | #0.79B/0.21A | ---- | 0.60 | + 0.43 | .4386 | ---- | ---- | 345 | ---- | 235 + | 150 |
| 7350 | 0.15 | 0.15 | #0.57/0.15 | #0.57/0.15 | ---- | 0.41 | + 0.29 | .3114 | ---- | ---- | 92 | ---- | 201 + | 86 |
| 7400 | 0.10 | 0.10 | #0.41B/0.10 | #0.41B/0.10 | ---- | 0.27 | + 0.19 | .2055 | ---- | ---- | 268 | ---- | 172 - | 110 |
| 7450 | 0.11 | 0.11 | #0.30B/0.11 | #0.30B/0.11 | ---- | 0.18 | + 0.12 | .1306 | ---- | ---- | 49 | ---- | 37 + | 22 |
| 7500 | 0.06 | 0.06 | #0.22/0.06 | #0.22/0.06 | ---- | 0.13 | + 0.09 | .0858 | ---- | ---- | 69 | ---- | 55 + | 44 |
| 7550 | 0.02 | 0.02 | #0.16B/0.02 | #0.16B/0.02 | ---- | 0.09 | + 0.06 | .0539 | ---- | ---- | 99 | ---- | 86 + | 63 |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO5 CALL | | CRUDE OIL OPTIONS | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 7600 | 0.04 | 0.04 | #0.11B/0.03 | #0.11B/0.03 | ---- | 0.06 + 0.04 | .0323 | ---- | ---- | 85 | ---- | 77 + 69 |
| 7650 | 0.01 | 0.01 | #0.08B/0.01 | #0.08B/0.01 | ---- | 0.04 + 0.03 | .0191 | ---- | ---- | 139 | ---- | 140 + 134 |
| 7700 | 0.02 | 0.02 | #0.06B/0.02 | #0.06B/0.02 | ---- | 0.03 + 0.02 | .0126 | ---- | ---- | 22 | ---- | 22 + 20 |
| 7750 | 0.02 | 0.02 | #0.04B/0.02 | #0.04B/0.02 | ---- | 0.02 + 0.01 | .0073 | ---- | ---- | 9 | ---- | 11 + 9 |
| 7800 | 0.01 | 0.01 | #0.04/*0.01 | #0.04/*0.01 | ---- | 0.01 UNCH | .0030 | ---- | ---- | 21 | ---- | 21 + 10 |
| 7850 | 0.01 | 0.01 | #0.02B/*0.01 | #0.02B/*0.01 | ---- | 0.01 NEW | .0013 | ---- | ---- | 1 | ---- | 1 + 1 |
| 7900 | 0.01 | 0.01 | #0.01/*0.01 | #0.01/*0.01 | ---- | 0.01 NEW | .0005 | ---- | ---- | 142 | ---- | 75 + 75 |
| 8000 | 0.01 | 0.01 | #0.02/*0.01 | #0.02/*0.01 | ---- | 0.01 NEW | .0000 | ---- | ---- | 8 | ---- | 8 + 8 |
| TOTAL | | | | | | | | | | 2099 | | 3754 + 783 |
| LO5 PUT | | CRUDE OIL OPTIONS | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 5450 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 15 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 25 UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 2 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 5 UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 8 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 62 UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 15 UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 38 UNCH |
| 6150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 151 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 144 UNCH |
| 6250 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 109 UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 195 UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 162 UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 133 UNCH |
| 6450 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | ---- | ---- | ---- | 8 | ---- | 49 - 8 |
| 6500 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0000 | ---- | ---- | 3 | ---- | 117 - 1 |
| 6550 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.01 UNCH | .0000 | ---- | ---- | 5 | ---- | 36 UNCH |
| 6600 | 0.02 | 0.02 | 0.02/*0.01 | 0.02/*0.01 | ---- | 0.01 - 0.01 | .0001 | ---- | ---- | 38 | ---- | 197 - 8 |
| 6650 | 0.02 | 0.02 | 0.02/*0.01 | 0.02/*0.01 | ---- | 0.01 - 0.03 | .0004 | ---- | ---- | 21 | ---- | 80 - 5 |
| 6700 | 0.03 | 0.03 | 0.04/*0.01 | 0.04/*0.01 | ---- | 0.01 - 0.05 | .0011 | ---- | ---- | 550 | ---- | 682 - 35 |
| 6750 | 0.03 | 0.03 | 0.03/*0.02 | 0.03/*0.02 | ---- | 0.01 - 0.08 | .0028 | ---- | ---- | 19 | ---- | 145 + 2 |
| 6800 | 0.08 | 0.08 | 0.08/*0.02 | 0.08/*0.02 | ---- | 0.02 - 0.12 | .0068 | ---- | ---- | 77 | ---- | 518 - 76 |
| 6850 | 0.12 | 0.12 | 0.12/*0.02 | 0.12/*0.02 | ---- | 0.02 - 0.18 | .0077 | ---- | ---- | 61 | ---- | 159 - 10 |
| 6900 | 0.15 | 0.15 | 0.16/*0.03 | 0.16/*0.03 | ---- | 0.03 - 0.27 | .0134 | ---- | ---- | 168 | ---- | 120 - 5 |
| 6950 | 0.22 | 0.22 | 0.22/*0.04 | 0.22/*0.04 | ---- | 0.04 - 0.39 | .0206 | ---- | ---- | 101 | ---- | 100 + 68 |
| 7000 | 0.54 | 0.54 | 0.54/*0.05 | 0.54/*0.05 | ---- | 0.06 - 0.54 | .0356 | ---- | ---- | 313 | ---- | 110 - 4 |
| 7050 | 0.67 | 0.67 | 0.69/*0.08 | 0.69/*0.08 | ---- | 0.10 - 0.73 | .0663 | ---- | ---- | 63 | ---- | 39 + 11 |
| 7100 | 0.94 | 0.94 | 0.94/*0.13 | 0.94/*0.13 | ---- | 0.16 - 0.94 | .1154 | ---- | ---- | 262 | ---- | 228 + 221 |
| 7150 | 0.98 | 0.98 | #1.00B/*0.24 | #1.00B/*0.24 | ---- | 0.26 NEW | .1939 | ---- | ---- | 451 | ---- | 143 + 143 |
| 7200 | 1.02 | 1.02 | #1.02/*0.36A | #1.02/*0.36A | ---- | 0.40 NEW | .2986 | ---- | ---- | 468 | ---- | 394 + 394 |
| 7250 | 0.86 | 0.86 | #1.00B/*0.53A | #1.00B/*0.53A | ---- | 0.60 NEW | .4262 | ---- | ---- | 214 | ---- | 126 + 126 |
| 7300 | 1.03 | 1.03 | #1.13B/*0.76A | #1.13B/*0.76A | ---- | 0.84 NEW | .5613 | ---- | ---- | 16 | ---- | 16 + 16 |
| TOTAL | | | | | | | | | | 2838 | | 4323 + 829 |
| CPF CALL | | CSX COAL OPT ON QTRLY FUT STRP | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 2.41 + 0.12 | .6558 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 10 |
| AH CALL | | DUBAI CRUDE OIL (PLATTS) APO | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 5300 | ---- | ---- | ---- | ---- | ---- | 20.578 + 0.136 | .9603 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| AH PUT | | DUBAI CRUDE OIL (PLATTS) APO | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 3565 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 25 |
| DAP OFF | | EIA FLAT TAX ON-HIGHWAY DIESEL APO | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.2528 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| JUL18 | | | | | | | | | | | | |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.2191 + 0.0425 | .8953 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| AUG18 | | | | | | | | | | | | |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.2502 + 0.0391 | .7840 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| SEP18 | | | | | | | | | | | | |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.2801 + 0.0364 | .7447 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| OCT18 | | | | | | | | | | | | |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.3000 + 0.0344 | .7252 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| NOV18 | | | | | | | | | | | | |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.3224 + 0.0358 | .6955 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| DEC18 | | | | | | | | | | | | |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.3357 + 0.0321 | .6770 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 6 |
| LB CALL | | EURO HEATING OIL | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0087 + 0.0052 | .1235 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 50 |
| SEP18 | | | | | | | | | | | | |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0280 + 0.0113 | .2363 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 50 |
| OCT18 | | | | | | | | | | | | |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0419 + 0.0134 | .2851 | ---- | ---- | ---- | ---- | 50 UNCH |
| 25500 | ---- | ---- | ---- | ---- | ---- | 0.0119 + 0.0048 | .1022 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 100 |
| NOV18 | | | | | | | | | | | | |
| 23100 | ---- | ---- | ---- | ---- | ---- | 0.0727 + 0.0171 | .3785 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0613 + 0.0151 | .3327 | ---- | ---- | ---- | ---- | 50 UNCH |
| 25500 | ---- | ---- | ---- | ---- | ---- | 0.0250 + 0.0074 | .1610 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 101 |
| DEC18 | | | | | | | | | | | | |
| 23100 | ---- | ---- | ---- | ---- | ---- | 0.0876 + 0.0209 | .4019 | ---- | ---- | ---- | ---- | 2 UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0750 + 0.0191 | .3590 | ---- | ---- | ---- | ---- | 50 UNCH |
| 25500 | ---- | ---- | ---- | ---- | ---- | 0.0326 + 0.0100 | .1875 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 102 |
| JAN19 | | | | | | | | | | | | |
| 23100 | ---- | ---- | ---- | ---- | ---- | 0.1002 + 0.0189 | .4194 | ---- | ---- | ---- | ---- | 2 UNCH |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LB CALL | | EURO HEATING OIL | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 2 | |
| FEB19 | | | | | | | | | | | | | |
| 23100 | ---- | ---- | ---- | ---- | ---- | 0.1119 + 0.0190 | .4298 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| MAR19 | | | | | | | | | | | | | |
| 23100 | ---- | ---- | ---- | ---- | ---- | 0.1189 + 0.0191 | .4317 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| APR19 | | | | | | | | | | | | | |
| 23100 | ---- | ---- | ---- | ---- | ---- | 0.1246 + 0.0186 | .4293 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| LB PUT | | EURO HEATING OIL | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1235 - 0.0205 | .4932 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| DEC18 | | | | | | | | | | | | | |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0874 - 0.0098 | .3511 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.0954 - 0.0107 | .3741 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1375 - 0.0154 | .4812 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 6 | |
| JAN19 | | | | | | | | | | | | | |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0952 - 0.0117 | .3518 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1033 - 0.0126 | .3732 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1455 - 0.0168 | .4724 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 6 | |
| FEB19 | | | | | | | | | | | | | |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1060 - 0.0116 | .3587 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1146 - 0.0123 | .3788 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1582 - 0.0159 | .4707 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 6 | |
| MAR19 | | | | | | | | | | | | | |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1192 - 0.0104 | .3697 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1279 - 0.0110 | .3886 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1719 - 0.0146 | .4750 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 6 | |
| APR19 | | | | | | | | | | | | | |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1349 - 0.0109 | .3843 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1441 - 0.0115 | .4023 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1898 - 0.0144 | .4836 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | |
| GVR CALL | | GULF COAST JET FUEL(PLATTS)APO | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | |
| 12700 | ---- | ---- | ---- | ---- | ---- | 0.8152 + 0.0074 | 1.0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 13600 | ---- | ---- | ---- | ---- | ---- | 0.7252 + 0.0074 | 1.0000 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.6352 + 0.0074 | 1.0000 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.5852 + 0.0074 | 1.0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 15300 | ---- | ---- | ---- | ---- | ---- | 0.5552 + 0.0074 | 1.0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.3353 + 0.0075 | 1.0000 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.1953 + 0.0074 | 1.0000 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 230 | |
| JUL18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.6185 + 0.0495 | 1.0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17800 | ---- | ---- | ---- | ---- | ---- | 0.3394 + 0.0487 | .9944 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.2999 + 0.0481 | .9937 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.1391 + 0.0391 | .8617 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0901 + 0.0315 | .7330 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0560 + 0.0235 | .5795 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 156 | |
| AUG18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.6243 + 0.0474 | .9970 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17800 | ---- | ---- | ---- | ---- | ---- | 0.3531 + 0.0437 | .9347 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.3160 + 0.0426 | .9132 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.1694 + 0.0343 | .7540 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1245 + 0.0296 | .6622 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0913 + 0.0250 | .5695 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 156 | |
| SEP18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.6336 + 0.0447 | .9793 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17800 | ---- | ---- | ---- | ---- | ---- | 0.3712 + 0.0404 | .8852 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.3357 + 0.0393 | .8620 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.1948 + 0.0323 | .7174 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1508 + 0.0288 | .6434 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1173 + 0.0254 | .5714 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 156 | |
| OCT18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.6146 + 0.0458 | .9949 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.3760 + 0.0453 | .9270 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.3149 + 0.0442 | .8867 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1813 + 0.0380 | .6877 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1250 + 0.0322 | .5524 | ---- | ---- | ---- | ---- | 55 | UNCH |
| TOTAL | | | | | | | | | | | | 256 | |
| NOV18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.6092 + 0.0448 | .9886 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.3766 + 0.0444 | .9011 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.3183 + 0.0434 | .8569 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1912 + 0.0379 | .6678 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1370 + 0.0328 | .5467 | ---- | ---- | ---- | ---- | 55 | UNCH |
| TOTAL | | | | | | | | | | | | 256 | |
| DEC18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.6047 + 0.0437 | .9801 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.3783 + 0.0434 | .8779 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.3224 + 0.0426 | .8324 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2006 + 0.0375 | .6533 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1482 + 0.0332 | .5431 | ---- | ---- | ---- | ---- | 55 | UNCH |
| TOTAL | | | | | | | | | | | | 256 | |
| JAN19 | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1597 NEW | ---- | ---- | ---- | ---- | 50 | 50 + | 50 |
| TOTAL | | | | | | | | | | | 50 | 50 + | 50 |
| FEB19 | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1718 NEW | ---- | ---- | ---- | ---- | 50 | 50 + | 50 |
| TOTAL | | | | | | | | | | | 50 | 50 + | 50 |
| MAR19 | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1800 NEW | ---- | ---- | ---- | ---- | 50 | 50 + | 50 |
| TOTAL | | | | | | | | | | | 50 | 50 + | 50 |
| APR19 | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1834 NEW | ---- | ---- | ---- | ---- | 50 | 50 + | 50 |
| TOTAL | | | | | | | | | | | 50 | 50 + | 50 |
| MAY19 | | | | | | | | | | | | | |

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**FINAL**

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Side 32



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GVR CALL | | GULF COAST JET FUEL(PLATTS)APO | | | | | | | | | | | | |
| MAY19 | | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1910 | NEW | ---- | ---- | ---- | ---- | 50 | 50 + | 50 |
| TOTAL | | | | | | | | | | | | 50 | 50 + | 50 |
| JUN19 | | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2033 | NEW | ---- | ---- | ---- | ---- | 50 | 50 + | 50 |
| TOTAL | | | | | | | | | | | | 50 | 50 + | 50 |
| GVR PUT | | GULF COAST JET FUEL(PLATTS)APO | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0003 | - 0.0005 | .0051 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0013 | - 0.0021 | .0216 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 155 | |
| AUG18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0076 | - 0.0036 | .0591 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0145 | - 0.0065 | .1102 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 155 | |
| SEP18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0198 | - 0.0055 | .1053 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0305 | - 0.0082 | .1611 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 155 | |
| OCT18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0102 | - 0.0004 | .0729 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 125 | |
| NOV18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0166 | - 0.0003 | .0988 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 125 | |
| DEC18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0239 | + 0.0002 | .1221 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 125 | |
| AT CALL | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | | |
| 13600 | ---- | ---- | ---- | ---- | ---- | 0.7834 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 14100 | ---- | ---- | ---- | ---- | ---- | 0.7334 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.6934 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 14600 | ---- | ---- | ---- | ---- | ---- | 0.6834 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 15200 | ---- | ---- | ---- | ---- | ---- | 0.6234 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.5934 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15800 | ---- | ---- | ---- | ---- | ---- | 0.5634 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 15900 | ---- | ---- | ---- | ---- | ---- | 0.5534 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.5434 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 16100 | ---- | ---- | ---- | ---- | ---- | 0.5334 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.5134 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.5034 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.4934 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 16600 | ---- | ---- | ---- | ---- | ---- | 0.4834 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.4635 | + 0.0070 | 1.0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.4435 | + 0.0070 | 1.0000 | ---- | ---- | ---- | ---- | 67 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.3935 | + 0.0070 | 1.0000 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.3435 | + 0.0070 | 1.0000 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3135 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18400 | ---- | ---- | ---- | ---- | ---- | 0.3035 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.2835 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.2635 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.2535 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.2435 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 160 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.2135 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.1935 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.1835 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.1635 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1435 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 220 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.1135 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.1035 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0935 | + 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0435 | + 0.0069 | .9963 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.0135 | + 0.0065 | .9871 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0027 | ---- | ---- | ---- | ---- | 148 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 80 | UNCH |
| TOTAL | | | | | | | | | | | | | 1465 | |
| JUL18 | | | | | | | | | | | | | | |
| 14100 | ---- | ---- | ---- | ---- | ---- | 0.7683 | + 0.0470 | 1.0000 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 14800 | ---- | ---- | ---- | ---- | ---- | 0.6985 | + 0.0471 | 1.0000 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15400 | ---- | ---- | ---- | ---- | ---- | 0.6386 | + 0.0471 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.6286 | + 0.0471 | 1.0000 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15700 | ---- | ---- | ---- | ---- | ---- | 0.6086 | + 0.0470 | 1.0000 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 15900 | ---- | ---- | ---- | ---- | ---- | 0.5886 | + 0.0470 | 1.0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.5487 | + 0.0470 | 1.0000 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.5387 | + 0.0470 | 1.0000 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.5288 | + 0.0471 | 1.0000 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.4988 | + 0.0470 | 1.0000 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.4788 | + 0.0470 | .9999 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.4289 | + 0.0470 | .9999 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.3790 | + 0.0470 | .9995 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3491 | + 0.0471 | .9987 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3191 | + 0.0469 | .9973 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3091 | + 0.0469 | .9969 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.2992 | + 0.0469 | .9965 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.2892 | + 0.0467 | .9959 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.2793 | + 0.0467 | .9952 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.2496 | + 0.0464 | .9902 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2299 | + 0.0459 | .9846 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2201 | + 0.0457 | .9877 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.1912 | + 0.0453 | .9664 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1816 | + 0.0449 | .9546 | ---- | ---- | ---- | ---- | 180 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.1626 | + 0.0440 | .9406 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.1532 | + 0.0434 | .9297 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.1440 | + 0.0428 | .9162 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1349 | + 0.0421 | .8990 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.1170 | + 0.0399 | .8649 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0918 | + 0.0356 | .7961 | ---- | ---- | ---- | ---- | 110 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.0693 | + 0.0301 | .7015 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.0562 | + 0.0263 | .6270 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.0503 | + 0.0245 | .5879 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0305 | + 0.0168 | .4267 | ---- | ---- | ---- | ---- | 186 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.0230 | + 0.0134 | .3496 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0145 | + 0.0091 | .2467 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0060 | + 0.0042 | .1205 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0007 | + 0.0006 | .0179 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0002 | + 0.0001 | .0056 | ---- | ---- | ---- | ---- | 128 | UNCH |
| TOTAL | | | | | | | | | | | | | 1972 | |
| AUG18 | | | | | | | | | | | | | | |
| 14100 | ---- | ---- | ---- | ---- | ---- | 0.7725 | + 0.0455 | .9999 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 14800 | ---- | ---- | ---- | ---- | ---- | 0.7028 | + 0.0456 | .9999 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15400 | ---- | ---- | ---- | ---- | ---- | 0.6430 | + 0.0456 | .9996 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.6330 | + 0.0456 | .9995 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15700 | ---- | ---- | ---- | ---- | ---- | 0.6131 | + 0.0456 | .9992 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 15900 | ---- | ---- | ---- | ---- | ---- | 0.5932 | + 0.0456 | .9988 | ---- | ---- | ---- | ---- | 15 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT CALL | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.5534 + 0.0456 | .9977 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.5434 + 0.0454 | .9973 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.5336 + 0.0456 | .9968 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.5038 + 0.0455 | .9949 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.4839 + 0.0454 | .9934 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.4346 + 0.0454 | .9879 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.3855 + 0.0450 | .9798 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3564 + 0.0449 | .9823 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3275 + 0.0445 | .9699 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3179 + 0.0443 | .9655 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3084 + 0.0442 | .9603 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.2989 + 0.0441 | .9550 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.2894 + 0.0437 | .9422 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.2615 + 0.0432 | .9290 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2433 + 0.0428 | .9070 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2342 + 0.0423 | .9036 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2078 + 0.0414 | .8720 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1992 + 0.0410 | .8570 | ---- | ---- | ---- | ---- | 180 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.1823 + 0.0399 | .8345 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.1741 + 0.0394 | .8204 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1580 + 0.0378 | .7883 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.1426 + 0.0359 | .7555 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1213 + 0.0334 | .7000 | ---- | ---- | ---- | ---- | 110 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1019 + 0.0311 | .6379 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.0901 + 0.0290 | .5944 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.0844 + 0.0278 | .5724 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.0691 + 0.0244 | .5052 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0644 + 0.0232 | .4828 | ---- | ---- | ---- | ---- | 172 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.0558 + 0.0210 | .4386 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0445 + 0.0178 | .3745 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0296 + 0.0129 | .2773 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0117 + 0.0057 | .1324 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0070 + 0.0036 | .0858 | ---- | ---- | ---- | ---- | 128 | UNCH |
| TOTAL | | | | | | | | | | | | 1908 | |
| SEP18 | | | | | | | | | | | | | |
| 14100 | ---- | ---- | ---- | ---- | ---- | 0.7766 + 0.0441 | .9989 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 14800 | ---- | ---- | ---- | ---- | ---- | 0.7070 + 0.0441 | .9981 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15400 | ---- | ---- | ---- | ---- | ---- | 0.6473 + 0.0440 | .9971 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.6374 + 0.0441 | .9969 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15700 | ---- | ---- | ---- | ---- | ---- | 0.6175 + 0.0440 | .9964 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 15900 | ---- | ---- | ---- | ---- | ---- | 0.5977 + 0.0440 | .9959 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.5582 + 0.0439 | .9934 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.5484 + 0.0439 | .9925 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.5385 + 0.0439 | .9914 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.5091 + 0.0437 | .9877 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.4896 + 0.0437 | .9844 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.4411 + 0.0433 | .9731 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.3934 + 0.0428 | .9569 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3653 + 0.0425 | .9540 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3376 + 0.0420 | .9364 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3284 + 0.0418 | .9304 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3194 + 0.0416 | .9232 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3104 + 0.0415 | .9161 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3014 + 0.0412 | .9023 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.2749 + 0.0405 | .8849 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2577 + 0.0399 | .8618 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2492 + 0.0396 | .8570 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2242 + 0.0385 | .8257 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2162 + 0.0381 | .8111 | ---- | ---- | ---- | ---- | 180 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.2003 + 0.0371 | .7899 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.1924 + 0.0365 | .7776 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1773 + 0.0353 | .7490 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.1628 + 0.0339 | .7206 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1423 + 0.0316 | .6755 | ---- | ---- | ---- | ---- | 110 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1234 + 0.0292 | .6259 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1117 + 0.0274 | .5915 | ---- | ---- | ---- | ---- | 78 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1062 + 0.0266 | .5741 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.0908 + 0.0240 | .5212 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0861 + 0.0232 | .5036 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.0772 + 0.0216 | .4687 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0651 + 0.0190 | .4173 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0485 + 0.0154 | .3374 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0255 + 0.0093 | .2053 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0181 + 0.0071 | .1552 | ---- | ---- | ---- | ---- | 128 | UNCH |
| TOTAL | | | | | | | | | | | | 1804 | |
| OCT18 | | | | | | | | | | | | | |
| 14100 | ---- | ---- | ---- | ---- | ---- | 0.7805 + 0.0432 | .9988 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.6421 + 0.0431 | .9930 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15900 | ---- | ---- | ---- | ---- | ---- | 0.6029 + 0.0430 | .9893 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.5639 + 0.0427 | .9838 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.5542 + 0.0426 | .9820 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.5446 + 0.0427 | .9802 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.4494 + 0.0418 | .9520 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.4033 + 0.0416 | .9306 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3760 + 0.0416 | .9263 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3488 + 0.0415 | .9090 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3308 + 0.0412 | .8967 | ---- | ---- | ---- | ---- | 235 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3219 + 0.0410 | .8901 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3130 + 0.0407 | .8761 | ---- | ---- | ---- | ---- | 66 | UNCH |
| 19100 | ---- | ---- | ---- | ---- | ---- | 0.3041 + 0.0404 | .8766 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.2954 + 0.0401 | .8690 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2696 + 0.0388 | .8393 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2613 + 0.0385 | .8354 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2291 + 0.0367 | .7914 | ---- | ---- | ---- | ---- | 156 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.2062 + 0.0347 | .7601 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1918 + 0.0335 | .7330 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1586 + 0.0301 | .6664 | ---- | ---- | ---- | ---- | 181 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1525 + 0.0292 | .6519 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1465 + 0.0282 | .6373 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1299 + 0.0259 | .5927 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1152 + 0.0242 | .5478 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1106 + 0.0236 | .5330 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1060 + 0.0229 | .5183 | ---- | ---- | ---- | ---- | 103 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1016 + 0.0223 | .5036 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.0974 + 0.0217 | .4891 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.0933 + 0.0211 | .4748 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0855 + 0.0199 | .4466 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0682 + 0.0168 | .3792 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0425 + 0.0117 | .2636 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0332 + 0.0096 | .2161 | ---- | ---- | ---- | ---- | 233 | UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0155 + 0.0052 | .1138 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 1655 | |
| NOV18 | | | | | | | | | | | | | |
| 14100 | ---- | ---- | ---- | ---- | ---- | 0.7842 + 0.0422 | .9971 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.6469 + 0.0421 | .9864 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15900 | ---- | ---- | ---- | ---- | ---- | 0.6081 + 0.0419 | .9803 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.5698 + 0.0419 | .9931 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.5602 + 0.0418 | .9963 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.5507 + 0.0417 | .9984 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.4571 + 0.0411 | .9364 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 17700 | ---- | ---- | ---- | ---- | ---- | 0.4389 + 0.0411 | .9429 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.4119 + 0.0408 | .9138 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3853 + 0.0403 | .9087 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3593 + 0.0399 | .8888 | ---- | ---- | ---- | ---- | 35 | UNCH |

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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT CALL | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3422 + 0.0394 | .8747 | ---- | ---- | ---- | ---- | 236 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3339 + 0.0393 | .8668 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3256 + 0.0391 | .8518 | ---- | ---- | ---- | ---- | 71 | UNCH |
| 19100 | ---- | ---- | ---- | ---- | ---- | 0.3174 + 0.0388 | .8509 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.3092 + 0.0386 | .8428 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2853 + 0.0378 | .8114 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2775 + 0.0375 | .8072 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2623 + 0.0369 | .7878 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2474 + 0.0362 | .7647 | ---- | ---- | ---- | ---- | 157 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.2402 + 0.0359 | .7572 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.2330 + 0.0355 | .7467 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2057 + 0.0339 | .7019 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1802 + 0.0321 | .6545 | ---- | ---- | ---- | ---- | 181 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1742 + 0.0317 | .6423 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1683 + 0.0312 | .6300 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1625 + 0.0307 | .6176 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1569 + 0.0303 | .6051 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1514 + 0.0298 | .5925 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1355 + 0.0280 | .5545 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1305 + 0.0274 | .5418 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1256 + 0.0268 | .5291 | ---- | ---- | ---- | ---- | 103 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1209 + 0.0263 | .5164 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1163 + 0.0257 | .5037 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.1119 + 0.0252 | .4911 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1033 + 0.0239 | .4660 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.0950 + 0.0224 | .4411 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0839 + 0.0206 | .4048 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0550 + 0.0158 | .2960 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0441 + 0.0136 | .2493 | ---- | ---- | ---- | ---- | 233 | UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0218 + 0.0071 | .1408 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 1656 | |
| DEC18 | | | | | | | | | | | | | |
| 14100 | ---- | ---- | ---- | ---- | ---- | 0.7884 + 0.0407 | .9931 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.6528 + 0.0402 | .9762 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15900 | ---- | ---- | ---- | ---- | ---- | 0.6148 + 0.0400 | .9678 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.5774 + 0.0398 | .9856 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.5681 + 0.0397 | .9811 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.5588 + 0.0396 | .9768 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.4680 + 0.0390 | .9144 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 17700 | ---- | ---- | ---- | ---- | ---- | 0.4502 + 0.0390 | .9196 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.4238 + 0.0387 | .8911 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3977 + 0.0384 | .8862 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3719 + 0.0378 | .8679 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3634 + 0.0375 | .8614 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3550 + 0.0373 | .8547 | ---- | ---- | ---- | ---- | 236 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3467 + 0.0371 | .8477 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3384 + 0.0368 | .8335 | ---- | ---- | ---- | ---- | 71 | UNCH |
| 19100 | ---- | ---- | ---- | ---- | ---- | 0.3303 + 0.0367 | .8331 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.3222 + 0.0364 | .8255 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2984 + 0.0356 | .7963 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2907 + 0.0353 | .7928 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2754 + 0.0344 | .7753 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2606 + 0.0335 | .7535 | ---- | ---- | ---- | ---- | 156 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.2534 + 0.0330 | .7472 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.2464 + 0.0327 | .7372 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.2326 + 0.0318 | .7170 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2193 + 0.0309 | .6960 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1941 + 0.0290 | .6524 | ---- | ---- | ---- | ---- | 181 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1882 + 0.0287 | .6411 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1823 + 0.0282 | .6299 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1766 + 0.0277 | .6185 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1709 + 0.0271 | .6071 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1655 + 0.0267 | .5955 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1497 + 0.0251 | .5608 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1447 + 0.0246 | .5492 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1399 + 0.0242 | .5376 | ---- | ---- | ---- | ---- | 107 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1352 + 0.0237 | .5260 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1305 + 0.0231 | .5144 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.1260 + 0.0226 | .5029 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1216 + 0.0221 | .4914 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1174 + 0.0217 | .4800 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1092 + 0.0206 | .4573 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1052 + 0.0200 | .4460 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0978 + 0.0190 | .4240 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0671 + 0.0144 | .3222 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0552 + 0.0124 | .2775 | ---- | ---- | ---- | ---- | 233 | UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0301 + 0.0077 | .1705 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 1679 | |
| JAN19 | | | | | | | | | | | | | |
| 17700 | ---- | ---- | ---- | ---- | ---- | 0.4490 + 0.0369 | .9187 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3645 + 0.0352 | .8549 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3564 + 0.0348 | .8476 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3484 + 0.0346 | .8401 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3405 + 0.0343 | .8324 | ---- | ---- | ---- | ---- | 56 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.3174 + 0.0335 | .8080 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2951 + 0.0326 | .7821 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2807 + 0.0320 | .7640 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2667 + 0.0314 | .7422 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.2599 + 0.0310 | .7358 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.2531 + 0.0306 | .7262 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.2400 + 0.0299 | .7064 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2273 + 0.0291 | .6862 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2151 + 0.0284 | .6656 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2032 + 0.0274 | .6448 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1975 + 0.0270 | .6343 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1919 + 0.0266 | .6237 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1864 + 0.0261 | .6130 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1810 + 0.0257 | .6024 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1757 + 0.0253 | .5917 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1606 + 0.0241 | .5596 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1557 + 0.0236 | .5489 | ---- | ---- | ---- | 50 | 56 + 50 | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1510 + 0.0232 | .5383 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1464 + 0.0228 | .5276 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1419 + 0.0224 | .5170 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1332 + 0.0216 | .4959 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1290 + 0.0212 | .4855 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1249 + 0.0207 | .4751 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1208 + 0.0202 | .4647 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1094 + 0.0190 | .4341 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0924 + 0.0170 | .3852 | ---- | ---- | ---- | ---- | 56 | UNCH |
| 23700 | ---- | ---- | ---- | ---- | ---- | 0.0862 + 0.0162 | .3663 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0538 + 0.0115 | .2570 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0368 + 0.0087 | .1901 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 26500 | ---- | ---- | ---- | ---- | ---- | 0.0302 + 0.0074 | .1619 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 783 + 50 | |
| FEB19 | | | | | | | | | | | | | |
| 17700 | ---- | ---- | ---- | ---- | ---- | 0.4478 + 0.0354 | .8993 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3659 + 0.0335 | .8341 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3581 + 0.0333 | .8267 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3505 + 0.0331 | .8190 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3428 + 0.0328 | .8115 | ---- | ---- | ---- | ---- | 56 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.3205 + 0.0321 | .7875 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2990 + 0.0313 | .7624 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2716 + 0.0302 | .7243 | ---- | ---- | ---- | ---- | 16 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT CALL | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | |
| FEB19 | | | | | | | | | | | | |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.2585 + 0.0296 | .7088 | ---- | ---- | ---- | ---- | 1 UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2334 + 0.0283 | .6712 | ---- | ---- | ---- | ---- | 1 UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2214 + 0.0275 | .6520 | ---- | ---- | ---- | ---- | 25 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2099 + 0.0268 | .6325 | ---- | ---- | ---- | ---- | 113 UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2043 + 0.0265 | .6226 | ---- | ---- | ---- | ---- | 4 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1988 + 0.0262 | .6128 | ---- | ---- | ---- | ---- | 14 UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1934 + 0.0258 | .6029 | ---- | ---- | ---- | ---- | 12 UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1881 + 0.0255 | .5930 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1828 + 0.0249 | .5830 | ---- | ---- | ---- | ---- | 3 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1679 + 0.0237 | .5532 | ---- | ---- | ---- | ---- | 5 UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1631 + 0.0233 | .5432 | ---- | ---- | ---- | 50 | 56 + 50 |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1585 + 0.0230 | .5333 | ---- | ---- | ---- | ---- | 8 UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1539 + 0.0225 | .5234 | ---- | ---- | ---- | ---- | 3 UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1409 + 0.0214 | .4939 | ---- | ---- | ---- | ---- | 25 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1368 + 0.0211 | .4842 | ---- | ---- | ---- | ---- | 21 UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1287 + 0.0202 | .4649 | ---- | ---- | ---- | ---- | 6 UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1249 + 0.0199 | .4554 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1174 + 0.0191 | .4365 | ---- | ---- | ---- | ---- | 111 UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.1003 + 0.0173 | .3907 | ---- | ---- | ---- | ---- | 56 UNCH |
| 23600 | ---- | ---- | ---- | ---- | ---- | 0.0972 + 0.0170 | .3819 | ---- | ---- | ---- | ---- | 1 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0610 + 0.0121 | .2698 | ---- | ---- | ---- | ---- | 1 UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0432 + 0.0093 | .2055 | ---- | ---- | ---- | ---- | 50 UNCH |
| 26500 | ---- | ---- | ---- | ---- | ---- | 0.0364 + 0.0081 | .1786 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 50 | 778 + 50 |
| MAR19 | | | | | | | | | | | | |
| 17700 | ---- | ---- | ---- | ---- | ---- | 0.4396 + 0.0338 | .8838 | ---- | ---- | ---- | ---- | 2 UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3612 + 0.0320 | .8145 | ---- | ---- | ---- | ---- | 1 UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3537 + 0.0318 | .8070 | ---- | ---- | ---- | ---- | 51 UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3464 + 0.0316 | .7993 | ---- | ---- | ---- | ---- | 1 UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3391 + 0.0314 | .7915 | ---- | ---- | ---- | ---- | 51 UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.3177 + 0.0306 | .7675 | ---- | ---- | ---- | ---- | 60 UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2972 + 0.0298 | .7425 | ---- | ---- | ---- | ---- | 22 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2712 + 0.0289 | .7055 | ---- | ---- | ---- | ---- | 15 UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.2525 + 0.0279 | .6811 | ---- | ---- | ---- | ---- | 1 UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2347 + 0.0269 | .6539 | ---- | ---- | ---- | ---- | 1 UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2234 + 0.0263 | .6355 | ---- | ---- | ---- | ---- | 25 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2125 + 0.0256 | .6169 | ---- | ---- | ---- | ---- | 112 UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2071 + 0.0253 | .6076 | ---- | ---- | ---- | ---- | 4 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2019 + 0.0249 | .5983 | ---- | ---- | ---- | ---- | 13 UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1967 + 0.0246 | .5890 | ---- | ---- | ---- | ---- | 11 UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1917 + 0.0243 | .5797 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1724 + 0.0229 | .5424 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1679 + 0.0227 | .5331 | ---- | ---- | ---- | 50 | 54 + 50 |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1633 + 0.0223 | .5239 | ---- | ---- | ---- | ---- | 2 UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1589 + 0.0220 | .5146 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1462 + 0.0209 | .4872 | ---- | ---- | ---- | ---- | 25 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1421 + 0.0205 | .4781 | ---- | ---- | ---- | ---- | 21 UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1343 + 0.0197 | .4602 | ---- | ---- | ---- | ---- | 6 UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1305 + 0.0193 | .4513 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1232 + 0.0186 | .4337 | ---- | ---- | ---- | ---- | 110 UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.1066 + 0.0170 | .3913 | ---- | ---- | ---- | ---- | 56 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0675 + 0.0121 | .2785 | ---- | ---- | ---- | ---- | 1 UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0494 + 0.0096 | .2176 | ---- | ---- | ---- | ---- | 50 UNCH |
| 26500 | ---- | ---- | ---- | ---- | ---- | 0.0421 + 0.0086 | .1913 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 50 | 750 + 50 |
| APR19 | | | | | | | | | | | | |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3661 + 0.0319 | .7939 | ---- | ---- | ---- | ---- | 1 UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3438 + 0.0311 | .7729 | ---- | ---- | ---- | ---- | 1 UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.3018 + 0.0296 | .7273 | ---- | ---- | ---- | ---- | 2 UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.2510 + 0.0270 | .6610 | ---- | ---- | ---- | ---- | 25 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2172 + 0.0252 | .6087 | ---- | ---- | ---- | ---- | 10 UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2119 + 0.0248 | .5998 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2067 + 0.0245 | .5910 | ---- | ---- | ---- | ---- | 13 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1778 + 0.0221 | .5379 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1734 + 0.0217 | .5291 | ---- | ---- | ---- | 50 | 51 + 50 |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1648 + 0.0210 | .5117 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1488 + 0.0198 | .4774 | ---- | ---- | ---- | ---- | 61 UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1412 + 0.0191 | .4606 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1305 + 0.0181 | .4358 | ---- | ---- | ---- | ---- | 110 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0761 + 0.0122 | .2914 | ---- | ---- | ---- | ---- | 1 UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0577 + 0.0096 | .2340 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 50 | 329 + 50 |
| MAY19 | | | | | | | | | | | | |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.2565 + 0.0260 | .6556 | ---- | ---- | ---- | ---- | 25 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2236 + 0.0243 | .6052 | ---- | ---- | ---- | ---- | 10 UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2185 + 0.0241 | .5967 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2134 + 0.0238 | .5882 | ---- | ---- | ---- | ---- | 13 UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1802 + 0.0218 | .5291 | ---- | ---- | ---- | 50 | 51 + 50 |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1548 + 0.0199 | .4792 | ---- | ---- | ---- | ---- | 60 UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1470 + 0.0192 | .4628 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1360 + 0.0182 | .4388 | ---- | ---- | ---- | ---- | 110 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0792 + 0.0127 | .2957 | ---- | ---- | ---- | ---- | 1 UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0596 + 0.0102 | .2372 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 50 | 322 + 50 |
| JUN19 | | | | | | | | | | | | |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.2683 + 0.0258 | .6569 | ---- | ---- | ---- | ---- | 25 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2354 + 0.0243 | .6089 | ---- | ---- | ---- | ---- | 10 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2250 + 0.0235 | .5927 | ---- | ---- | ---- | ---- | 13 UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1920 NEW | .5363 | ---- | ---- | ---- | 50 | 50 + 50 |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1672 + 0.0196 | .4891 | ---- | ---- | ---- | ---- | 60 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1485 + 0.0182 | .4509 | ---- | ---- | ---- | ---- | 110 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0914 + 0.0127 | .3155 | ---- | ---- | ---- | ---- | 1 UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0717 + 0.0104 | .2606 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 50 | 319 + 50 |
| JUL19 | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2355 + 0.0242 | .5975 | ---- | ---- | ---- | ---- | 11 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1748 + 0.0201 | .4964 | ---- | ---- | ---- | ---- | 1 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0956 + 0.0134 | .3230 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 13 |
| AUG19 | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2470 + 0.0243 | .6047 | ---- | ---- | ---- | ---- | 11 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1856 + 0.0205 | .5067 | ---- | ---- | ---- | ---- | 1 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1042 + 0.0139 | .3369 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 13 |
| SEP19 | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2566 + 0.0241 | .6079 | ---- | ---- | ---- | ---- | 11 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1951 + 0.0205 | .5132 | ---- | ---- | ---- | ---- | 1 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1122 + 0.0141 | .3479 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 13 |
| OCT19 | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2653 + 0.0242 | .6119 | ---- | ---- | ---- | ---- | 11 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.2349 + 0.0224 | .5692 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.2034 + 0.0206 | .5196 | ---- | ---- | ---- | ---- | 1 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1193 + 0.0144 | .3577 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 14 |
| NOV19 | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2763 + 0.0244 | .6179 | ---- | ---- | ---- | ---- | 11 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.2455 + 0.0225 | .5764 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.2137 + 0.0208 | .5281 | ---- | ---- | ---- | ---- | 1 UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT CALL | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | | |
| NOV19 | | | | | | | | | | | | | |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1278 + 0.0147 | .3693 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 14 | |
| DEC19 | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2883 + 0.0243 | .6282 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.2570 + 0.0227 | .5874 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.2242 + 0.0208 | .5397 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1357 + 0.0148 | .3817 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 14 | |
| JAN20 | | | | | | | | | | | | | |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.2598 + 0.0222 | .5887 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2500 + 0.0217 | .5752 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1383 + 0.0146 | .3847 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| FEB20 | | | | | | | | | | | | | |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.2578 + 0.0215 | .5823 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2482 + 0.0209 | .5689 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1386 + 0.0141 | .3821 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| MAR20 | | | | | | | | | | | | | |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.2512 + 0.0205 | .5710 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2419 + 0.0199 | .5578 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1359 + 0.0135 | .3747 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| APR20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2380 + 0.0191 | .5488 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1348 + 0.0129 | .3697 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| MAY20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2361 + 0.0183 | .5432 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1349 + 0.0125 | .3674 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| JUN20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2375 + 0.0179 | .5418 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1369 + 0.0122 | .3685 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| JUL20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2388 + 0.0173 | .5403 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1391 + 0.0119 | .3698 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| AUG20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2400 + 0.0169 | .5384 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1412 + 0.0116 | .3707 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| SEP20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2407 + 0.0163 | .5356 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1429 + 0.0113 | .3708 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| OCT20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2400 + 0.0157 | .5320 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1436 + 0.0109 | .3698 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| NOV20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2388 + 0.0152 | .5285 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1435 + 0.0105 | .3682 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| DEC20 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.2444 + 0.0151 | .5317 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.1487 + 0.0105 | .3738 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| AT PUT | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 6 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 40 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 46 | UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 200 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 2 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 30 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0028 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1067 - 0.0069 | 1.0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 562 | |
| JUL18 | | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 6 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 40 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0022 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0003 | .0047 | ---- | ---- | ---- | ---- | 195 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0007 - 0.0011 | .0154 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0023 - 0.0021 | .0453 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0055 - 0.0050 | .1009 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0076 - 0.0071 | .1350 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.0267 - 0.0207 | .3729 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 638 | |
| AUG18 | | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 6 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 40 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0001 - 0.0001 | .0013 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.0004 - 0.0001 | .0050 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0017 - 0.0006 | .0201 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0031 - 0.0010 | .0351 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0053 - 0.0018 | .0577 | ---- | ---- | ---- | ---- | 195 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0090 - 0.0028 | .0929 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0147 - 0.0046 | .1429 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0234 - 0.0077 | .2116 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0279 - 0.0096 | .2444 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 637 | |
| SEP18 | | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0010 | ---- | ---- | ---- | ---- | 15 | UNCH |

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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT PUT | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0004 - 0.0001 | .0043 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0049 - 0.0013 | .0430 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0080 - 0.0020 | .0664 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0124 - 0.0029 | .0976 | ---- | ---- | ---- | ---- | 195 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0185 - 0.0042 | .1381 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0267 - 0.0060 | .1889 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0376 - 0.0088 | .2509 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0430 - 0.0102 | .2793 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 737 | |
| OCT18 | | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0010 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0014 - 0.0003 | .0118 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0067 - 0.0014 | .0479 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0102 - 0.0016 | .0693 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.0118 - 0.0016 | .0790 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0144 - 0.0017 | .0946 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0192 - 0.0025 | .1238 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0255 - 0.0044 | .1606 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0346 - 0.0066 | .2085 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0470 - 0.0097 | .2669 | ---- | ---- | ---- | ---- | 75 | UNCH |
| TOTAL | | | | | | | | | | | | 578 | |
| NOV18 | | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0003 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0008 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0002 UNCH | .0016 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0003 UNCH | .0025 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0031 - 0.0002 | .0214 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0104 - 0.0010 | .0635 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0147 - 0.0014 | .0861 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.0168 - 0.0016 | .0967 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0203 - 0.0021 | .1140 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0276 - 0.0030 | .1481 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0369 - 0.0043 | .1885 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0485 - 0.0060 | .2352 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.0569 - 0.0070 | .2664 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0630 - 0.0078 | .2882 | ---- | ---- | ---- | ---- | 75 | UNCH |
| TOTAL | | | | | | | | | | | | 560 | |
| DEC18 | | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0003 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0008 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.0005 - 0.0001 | .0036 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0009 - 0.0001 | .0061 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0061 - 0.0008 | .0346 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0171 - 0.0018 | .0856 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0224 - 0.0020 | .1088 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 18200 | ---- | ---- | ---- | ---- | ---- | 0.0246 - 0.0023 | .1186 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0284 - 0.0028 | .1350 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0359 - 0.0040 | .1664 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0454 - 0.0052 | .2036 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0571 - 0.0072 | .2464 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0718 - 0.0094 | .2951 | ---- | ---- | ---- | ---- | 75 | UNCH |
| TOTAL | | | | | | | | | | | | 561 | |
| JAN19 | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0067 - 0.0008 | .0370 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0237 - 0.0025 | .1126 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0649 - 0.0077 | .2577 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.0744 - 0.0087 | .2859 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 12 | |
| FEB19 | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0102 - 0.0007 | .0496 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0311 - 0.0024 | .1315 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0774 - 0.0072 | .2756 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| MAR19 | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0123 - 0.0011 | .0570 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0377 - 0.0034 | .1478 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0904 - 0.0078 | .2944 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 7 | |
| APR19 | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0226 - 0.0014 | .0835 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0508 - 0.0030 | .1713 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 4 | |
| MAY19 | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0206 - 0.0015 | .0794 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0518 - 0.0039 | .1735 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| JUN19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0586 - 0.0039 | .1812 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| JUL19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0665 - 0.0040 | .1888 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| AUG19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0691 - 0.0040 | .1890 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| SEP19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0731 - 0.0042 | .1918 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| OCT19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0760 - 0.0043 | .1930 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| NOV19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0784 - 0.0043 | .1928 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| DEC19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0776 - 0.0041 | .1881 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| JAN20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0788 - 0.0041 | .1887 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| FEB20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0838 - 0.0041 | .1956 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| MAR20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0899 - 0.0044 | .2053 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| APR20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0962 - 0.0045 | .2142 | ---- | ---- | ---- | ---- | 1 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT PUT | | HEATING OIL APO (AVG PRICE) OPTIONS | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 1 | |
| MAY20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1010 - 0.0045 | .2204 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| JUN20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1046 - 0.0046 | .2239 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| JUL20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1083 - 0.0046 | .2274 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| AUG20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1126 - 0.0045 | .2314 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| SEP20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1169 - 0.0045 | .2359 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| OCT20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1220 - 0.0045 | .2410 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| NOV20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1253 - 0.0045 | .2449 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| DEC20 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.1279 - 0.0044 | .2452 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| E7 CALL | | HENRY HUB FINANCIAL LAST DAY O | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | #0.0100B/---- | #0.0100B/---- | ---- | 0.0000 - 0.0029 | ---- | ---- | ---- | ---- | 175 | 0 - | 470 |
| 305 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0005 | ---- | ---- | ---- | ---- | ---- | 0 - | 1 |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 - | 19 |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 - | 8 |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 - | 74 |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 - | 6 |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 - | 4 |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 - | 5 |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.0000 - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 - | 47 |
| TOTAL | | | | | | | | | | | 175 | 0 - | 634 |
| AUG18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0673 + 0.0214 | .4723 | ---- | ---- | ---- | ---- | 76 | UNCH |
| 305 | ---- | ---- | ---- | ---- | ---- | 0.0474 + 0.0164 | .3700 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.0322 + 0.0119 | .2775 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.0212 + 0.0081 | .1996 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0087 + 0.0031 | .0938 | ---- | ---- | ---- | ---- | 68 | UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0055 + 0.0018 | .0623 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.0035 + 0.0010 | .0412 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0002 | .0034 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 234 | |
| SEP18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0841 + 0.0175 | .4444 | ---- | ---- | ---- | ---- | 64 | UNCH |
| 305 | ---- | ---- | ---- | ---- | ---- | 0.0658 + 0.0144 | .3733 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.0508 + 0.0117 | .3079 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.0387 + 0.0093 | .2496 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0215 + 0.0055 | .1554 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0158 + 0.0041 | .1201 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.0115 + 0.0030 | .0915 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0012 + 0.0002 | .0112 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0007 | ---- | ---- | ---- | ---- | 43 | UNCH |
| TOTAL | | | | | | | | | | | | 199 | |
| OCT18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1087 + 0.0174 | .4663 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 305 | ---- | ---- | ---- | ---- | ---- | 0.0894 + 0.0150 | .4070 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.0728 + 0.0128 | .3509 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.0588 + 0.0108 | .2991 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0373 + 0.0073 | .2098 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0295 + 0.0059 | .1734 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.0232 + 0.0047 | .1421 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0035 + 0.0007 | .0262 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0007 | ---- | ---- | ---- | ---- | 34 | UNCH |
| TOTAL | | | | | | | | | | | | 152 | |
| NOV18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1553 + 0.0187 | .5193 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 305 | ---- | ---- | ---- | ---- | ---- | 0.1336 + 0.0168 | .4697 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.1142 + 0.0150 | .4216 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.0972 + 0.0134 | .3757 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0692 + 0.0103 | .2917 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0579 + 0.0089 | .2543 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.0482 + 0.0076 | .2202 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0273 + 0.0046 | .1385 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0107 + 0.0018 | .0612 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.0046 + 0.0007 | .0280 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.0005 + 0.0001 | .0030 | ---- | ---- | ---- | ---- | 28 | UNCH |
| TOTAL | | | | | | | | | | | | 156 | |
| DEC18 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.2503 + 0.0175 | .6100 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 305 | ---- | ---- | ---- | ---- | ---- | 0.2246 + 0.0163 | .5703 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.2009 + 0.0151 | .5308 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.1792 + 0.0140 | .4919 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.1414 + 0.0118 | .4172 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.1252 + 0.0108 | .3820 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.1105 + 0.0097 | .3483 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0751 + 0.0069 | .2589 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0385 + 0.0036 | .1500 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.0196 + 0.0018 | .0838 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.0023 + 0.0001 | .0111 | ---- | ---- | ---- | ---- | 32 | UNCH |
| TOTAL | | | | | | | | | | | | 161 | |
| JAN19 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.3440 + 0.0180 | .6526 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.2924 + 0.0158 | .5899 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2275 + 0.0132 | .4978 | ---- | ---- | ---- | ---- | 27 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.1477 + 0.0096 | .3619 | ---- | ---- | ---- | ---- | 43 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0953 + 0.0071 | .2553 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.0617 + 0.0049 | .1774 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | 134 | |
| FEB19 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.3795 + 0.0179 | .6218 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.3349 + 0.0163 | .5711 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2782 + 0.0139 | .4994 | ---- | ---- | ---- | ---- | 28 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.2060 + 0.0108 | .3954 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.1543 + 0.0084 | .3118 | ---- | ---- | ---- | ---- | 39 | UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.1169 + 0.0067 | .2462 | ---- | ---- | ---- | ---- | 18 | UNCH |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E7 CALL | | HENRY HUB FINANCIAL LAST DAY O | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 129 | |
| MAR19 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.3552 + 0.0164 | .5753 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2678 + 0.0132 | .4667 | ---- | ---- | ---- | ---- | 34 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.2043 + 0.0104 | .3763 | ---- | ---- | ---- | ---- | 39 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.1577 + 0.0084 | .3034 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.1230 + 0.0069 | .2452 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 137 | |
| APR19 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1701 + 0.0123 | .4914 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0870 + 0.0079 | .3064 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0417 + 0.0046 | .1721 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 60 | |
| MAY19 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1460 + 0.0115 | .4560 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0714 + 0.0071 | .2718 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0326 + 0.0040 | .1453 | ---- | ---- | ---- | ---- | 12 | UNCH |
| TOTAL | | | | | | | | | | | | 77 | |
| JUN19 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1659 + 0.0114 | .4824 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0850 + 0.0072 | .3002 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0410 + 0.0042 | .1691 | ---- | ---- | ---- | ---- | 9 | UNCH |
| TOTAL | | | | | | | | | | | | 76 | |
| JUL19 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1828 + 0.0103 | .5080 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.1095 + 0.0072 | .3576 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0958 + 0.0064 | .3241 | ---- | ---- | ---- | ---- | 68 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0474 + 0.0038 | .1874 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 139 | |
| AUG19 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1925 + 0.0109 | .5154 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.1178 + 0.0079 | .3689 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1036 + 0.0071 | .3359 | ---- | ---- | ---- | ---- | 67 | UNCH |
| TOTAL | | | | | | | | | | | | 134 | |
| SEP19 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1919 + 0.0118 | .5062 | ---- | ---- | ---- | ---- | 27 | UNCH |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.1191 + 0.0087 | .3650 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1053 + 0.0081 | .3334 | ---- | ---- | ---- | ---- | 65 | UNCH |
| TOTAL | | | | | | | | | | | | 122 | |
| OCT19 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.2028 + 0.0114 | .5208 | ---- | ---- | ---- | ---- | 18 | UNCH |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.1273 + 0.0084 | .3797 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1126 + 0.0076 | .3475 | ---- | ---- | ---- | ---- | 36 | UNCH |
| TOTAL | | | | | | | | | | | | 85 | |
| NOV19 | | | | | | | | | | | | | |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.1528 + 0.0061 | .4207 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1359 + 0.0055 | .3879 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0737 + 0.0029 | .2460 | ---- | ---- | ---- | ---- | 34 | UNCH |
| TOTAL | | | | | | | | | | | | 105 | |
| DEC19 | | | | | | | | | | | | | |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.2200 + 0.0085 | .5102 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.2001 + 0.0079 | .4783 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.1221 + 0.0050 | .3344 | ---- | ---- | ---- | ---- | 23 | UNCH |
| TOTAL | | | | | | | | | | | | 100 | |
| JAN20 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.2872 + 0.0061 | .5464 | ---- | ---- | ---- | ---- | 47 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2033 + 0.0033 | .4226 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.1482 + 0.0013 | .3256 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 143 | |
| FEB20 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.3123 + 0.0145 | .5384 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2311 + 0.0120 | .4305 | ---- | ---- | ---- | ---- | 58 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.1751 + 0.0097 | .3435 | ---- | ---- | ---- | ---- | 29 | UNCH |
| TOTAL | | | | | | | | | | | | 131 | |
| MAR20 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.2829 + 0.0133 | .4996 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2116 + 0.0108 | .4000 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.1624 + 0.0084 | .3211 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 134 | |
| APR20 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0762 - 0.0028 | .2580 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0388 - 0.0042 | .1512 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0192 - 0.0039 | .0839 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 99 | |
| MAY20 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0616 - 0.0035 | .2279 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0294 - 0.0045 | .1258 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0139 - 0.0037 | .0664 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 101 | |
| JUN20 | | | | | | | | | | | | | |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0671 - 0.0036 | .2425 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0324 - 0.0048 | .1356 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0153 - 0.0040 | .0719 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 94 | |
| JUL20 | | | | | | | | | | | | | |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0367 - 0.0050 | .1488 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0175 - 0.0044 | .0799 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 93 | |
| AUG20 | | | | | | | | | | | | | |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0388 - 0.0055 | .1544 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0187 - 0.0048 | .0838 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 93 | |
| SEP20 | | | | | | | | | | | | | |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0377 - 0.0058 | .1505 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0182 - 0.0051 | .0818 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 90 | |
| OCT20 | | | | | | | | | | | | | |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0424 - 0.0066 | .1630 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0209 - 0.0058 | .0905 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 93 | |
| NOV20 | | | | | | | | | | | | | |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.0667 - 0.0006 | .2159 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0385 - 0.0005 | .1370 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 90 | |
| DEC20 | | | | | | | | | | | | | |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.1014 - 0.0008 | .2853 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0622 - 0.0007 | .1923 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 93 | |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E7 CALL | | HENRY HUB FINANCIAL LAST DAY O | | | | | | | | | | | | |
| JAN21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.1246 | + 0.0018 | .2858 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| FEB21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.1366 | + 0.0023 | .2941 | ---- | ---- | ---- | ---- | 28 | UNCH |
| TOTAL | | | | | | | | | | | | | 28 | |
| MAR21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.1286 | + 0.0026 | .2771 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| APR21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0292 | + 0.0020 | .1086 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 30 | |
| MAY21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0240 | + 0.0018 | .0946 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| JUN21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0251 | + 0.0017 | .0985 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 30 | |
| JUL21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0280 | + 0.0018 | .1070 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| AUG21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0298 | + 0.0018 | .1119 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| SEP21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0305 | + 0.0018 | .1135 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 30 | |
| OCT21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0350 | + 0.0019 | .1251 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| NOV21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0570 | + 0.0024 | .1718 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 30 | |
| DEC21 | | | | | | | | | | | | | | |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0823 | + 0.0030 | .2232 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| E7 PUT | | HENRY HUB FINANCIAL LAST DAY O | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 15 |
| 225 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 21 |
| 240 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 5 |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 2 |
| 255 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 3 |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 14 |
| 265 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 9 |
| 270 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 260 |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 661 |
| 280 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0001 | ---- | ---- | ---- | ---- | ---- | 0 | - 9 |
| 290 | ---- | ---- | ---- | ---- | ---- | 0.0000 | - 0.0062 | ---- | ---- | ---- | ---- | ---- | 0 | - 575 |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.0000 | UNCH | ---- | ---- | ---- | ---- | 700 | 0 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.7540 | - 0.0571 | 1.0000 | 77 | ---- | ---- | ---- | 0 | - 77 |
| TOTAL | | | | | | | | | | | | 700 | 0 | - 1651 |
| AUG18 | | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 15 | UNCH |
| 225 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0000 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 240 | ---- | ---- | ---- | ---- | ---- | 0.0001 | - 0.0001 | .0013 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0003 | - 0.0004 | .0040 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 255 | ---- | ---- | ---- | ---- | ---- | 0.0007 | - 0.0005 | .0090 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0015 | - 0.0007 | .0183 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 265 | ---- | ---- | ---- | ---- | ---- | 0.0029 | - 0.0014 | .0336 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 270 | ---- | ---- | ---- | ---- | ---- | 0.0054 | - 0.0029 | .0590 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0097 | - 0.0052 | .0986 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 280 | ---- | ---- | ---- | ---- | ---- | 0.0165 | - 0.0086 | .1546 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.7681 | - 0.0497 | .9965 | ---- | ---- | ---- | ---- | 80 | UNCH |
| TOTAL | | | | | | | | | | | | | 176 | |
| SEP18 | | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0000 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 225 | ---- | ---- | ---- | ---- | ---- | 0.0001 | - 0.0001 | .0011 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0003 | - 0.0001 | .0032 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 240 | ---- | ---- | ---- | ---- | ---- | 0.0010 | - 0.0004 | .0100 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0030 | - 0.0013 | .0277 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0083 | - 0.0033 | .0681 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 265 | ---- | ---- | ---- | ---- | ---- | 0.0132 | - 0.0051 | .1011 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 270 | ---- | ---- | ---- | ---- | ---- | 0.0204 | - 0.0073 | .1445 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0303 | - 0.0101 | .1980 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 280 | ---- | ---- | ---- | ---- | ---- | 0.0434 | - 0.0132 | .2605 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.7975 | - 0.0437 | .9887 | ---- | ---- | ---- | ---- | 73 | UNCH |
| TOTAL | | | | | | | | | | | | | 171 | |
| OCT18 | | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0008 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 225 | ---- | ---- | ---- | ---- | ---- | 0.0008 | - 0.0003 | .0067 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0013 | - 0.0005 | .0107 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 240 | ---- | ---- | ---- | ---- | ---- | 0.0033 | - 0.0013 | .0251 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0079 | - 0.0029 | .0546 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0175 | - 0.0055 | .1072 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 265 | ---- | ---- | ---- | ---- | ---- | 0.0250 | - 0.0072 | .1435 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 270 | ---- | ---- | ---- | ---- | ---- | 0.0347 | - 0.0093 | .1864 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0470 | - 0.0116 | .2356 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 280 | ---- | ---- | ---- | ---- | ---- | 0.0622 | - 0.0140 | .2903 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.7946 | - 0.0411 | .9737 | ---- | ---- | ---- | ---- | 64 | UNCH |
| TOTAL | | | | | | | | | | | | | 157 | |
| NOV18 | | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0003 | - 0.0001 | .0021 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 225 | ---- | ---- | ---- | ---- | ---- | 0.0025 | - 0.0008 | .0158 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0037 | - 0.0012 | .0226 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 240 | ---- | ---- | ---- | ---- | ---- | 0.0078 | - 0.0022 | .0440 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0152 | - 0.0038 | .0785 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0277 | - 0.0062 | .1297 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 265 | ---- | ---- | ---- | ---- | ---- | 0.0365 | - 0.0077 | .1622 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 270 | ---- | ---- | ---- | ---- | ---- | 0.0473 | - 0.0092 | .1990 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0602 | - 0.0110 | .2397 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 280 | ---- | ---- | ---- | ---- | ---- | 0.0755 | - 0.0129 | .2840 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.7626 | - 0.0369 | .9387 | ---- | ---- | ---- | ---- | 58 | UNCH |
| TOTAL | | | | | | | | | | | | | 155 | |
| DEC18 | | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0012 | - 0.0003 | .0061 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 225 | ---- | ---- | ---- | ---- | ---- | 0.0057 | - 0.0015 | .0259 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0077 | - 0.0019 | .0340 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 240 | ---- | ---- | ---- | ---- | ---- | 0.0132 | - 0.0030 | .0549 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0219 | - 0.0045 | .0852 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0347 | - 0.0065 | .1258 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 265 | ---- | ---- | ---- | ---- | ---- | 0.0431 | - 0.0076 | .1504 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 270 | ---- | ---- | ---- | ---- | ---- | 0.0531 | - 0.0088 | .1779 | ---- | ---- | ---- | ---- | 7 | UNCH |

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# ENERGY OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E7 PUT | | HENRY HUB FINANCIAL LAST DAY O | | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | | |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0650 - 0.0098 | .2084 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 280 | ---- | ---- | ---- | ---- | ---- | 0.0786 - 0.0111 | .2412 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.6850 - 0.0300 | .8499 | ---- | ---- | ---- | ---- | 62 | UNCH |
| TOTAL | | | | | | | | | | | | 153 | |
| JAN19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0032 - 0.0004 | .0122 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 225 | ---- | ---- | ---- | ---- | ---- | 0.0116 - 0.0011 | .0394 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0144 - 0.0015 | .0479 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0325 - 0.0029 | .0977 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0788 - 0.0068 | .2020 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1658 - 0.0127 | .3473 | ---- | ---- | ---- | ---- | 27 | UNCH |
| TOTAL | | | | | | | | | | | | 65 | |
| FEB19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0080 - 0.0005 | .0248 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0298 - 0.0018 | .0783 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0615 - 0.0034 | .1418 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1303 - 0.0067 | .2510 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.2392 - 0.0108 | .3781 | ---- | ---- | ---- | ---- | 27 | UNCH |
| TOTAL | | | | | | | | | | | | 72 | |
| MAR19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0150 - 0.0011 | .0415 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0493 - 0.0034 | .1135 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0938 - 0.0057 | .1883 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.1849 - 0.0083 | .3045 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.3128 - 0.0122 | .4246 | ---- | ---- | ---- | ---- | 27 | UNCH |
| TOTAL | | | | | | | | | | | | 79 | |
| APR19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0176 - 0.0006 | .0646 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0574 - 0.0020 | .1816 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1117 - 0.0043 | .3102 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 18 | |
| MAY19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0167 - 0.0004 | .0654 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0591 - 0.0020 | .1946 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1183 - 0.0041 | .3353 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 24 | |
| JUN19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0185 - 0.0008 | .0676 | ---- | ---- | ---- | ---- | 18 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0613 - 0.0026 | .1900 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1175 - 0.0048 | .3199 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 27 | |
| JUL19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0176 - 0.0011 | .0633 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0577 - 0.0033 | .1774 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1103 - 0.0058 | .3000 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.1474 - 0.0071 | .3736 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 93 | |
| AUG19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0194 - 0.0010 | .0667 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0609 - 0.0030 | .1799 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1140 - 0.0052 | .2991 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.1509 - 0.0065 | .3701 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 92 | |
| SEP19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0228 - 0.0008 | .0748 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0681 - 0.0024 | .1922 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1243 - 0.0046 | .3119 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.1628 - 0.0058 | .3821 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 84 | |
| OCT19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0223 - 0.0013 | .0723 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0662 - 0.0034 | .1853 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1204 - 0.0057 | .3010 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.1575 - 0.0070 | .3693 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 48 | |
| NOV19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0182 - 0.0020 | .0604 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0582 - 0.0048 | .1639 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.1094 - 0.0076 | .2721 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.1442 - 0.0091 | .3360 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 53 | |
| DEC19 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0136 - 0.0012 | .0443 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0444 - 0.0031 | .1245 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.0845 - 0.0054 | .2124 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.1131 - 0.0068 | .2670 | ---- | ---- | ---- | ---- | 31 | UNCH |
| TOTAL | | | | | | | | | | | | 44 | |
| JAN20 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0107 - 0.0017 | .0345 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0415 - 0.0045 | .1087 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 8 | |
| FEB20 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0224 UNCH | .0576 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0675 - 0.0006 | .1430 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 11 | |
| MAR20 | | | | | | | | | | | | | |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.0334 - 0.0002 | .0793 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0913 - 0.0012 | .1784 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 9 | |
| APR20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1100 + 0.0018 | .2785 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| MAY20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1098 + 0.0014 | .2910 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| JUN20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1022 + 0.0016 | .2740 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| JUL20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0952 + 0.0018 | .2567 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| AUG20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0950 + 0.0019 | .2539 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 3 | |
| SEP20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0997 + 0.0019 | .2629 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| OCT20 | | | | | | | | | | | | | |

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**FINAL**



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**PRICE INDICATOR KEY**

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E7 PUT | | HENRY HUB FINANCIAL LAST DAY O | | | | | | | | | | | |
| OCT20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0976 + 0.0026 | .2542 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| NOV20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0792 - 0.0009 | .2195 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| DEC20 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0597 - 0.0009 | .1657 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| JAN21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0570 + 0.0010 | .1448 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| FEB21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0767 + 0.0007 | .1713 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| MAR21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1046 + 0.0002 | .2119 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| APR21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1413 + 0.0006 | .3147 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| MAY21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1419 + 0.0005 | .3265 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| JUN21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1321 + 0.0010 | .3099 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| JUL21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1245 + 0.0011 | .2929 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| AUG21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1230 + 0.0010 | .2875 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 2 | |
| SEP21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1250 + 0.0009 | .2893 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| OCT21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1213 + 0.0010 | .2770 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| NOV21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1069 + 0.0009 | .2476 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| DEC21 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0851 + 0.0010 | .1924 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| JAN22 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.0837 - 0.0003 | .1702 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| FEB22 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1023 - 0.0004 | .1898 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| MAR22 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1273 - 0.0005 | .2196 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| APR22 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1511 - 0.0025 | .3054 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| MAY22 | | | | | | | | | | | | | |
| 230 | ---- | ---- | ---- | ---- | ---- | 0.1457 - 0.0026 | .3124 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| WJO OPT | | LLS ARGUS V.WTI CRUDE OIL AVG PRICE | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.09 | .0779 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 450 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0238 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 300 | |
| AUG18 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.17 - 0.13 | .2182 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 450 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.02 | .0301 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 300 | |
| SEP18 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.27 - 0.17 | .3008 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 450 | ---- | ---- | ---- | ---- | ---- | 0.03 - 0.05 | .0760 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 300 | |
| OCT18 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.38 - 0.19 | .3482 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 450 | ---- | ---- | ---- | ---- | ---- | 0.06 - 0.08 | .1229 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 300 | |
| NOV18 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.51 - 0.16 | .3894 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 450 | ---- | ---- | ---- | ---- | ---- | 0.11 - 0.09 | .1802 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 300 | |
| DEC18 | | | | | | | | | | | | | |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.57 - 0.12 | .4111 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 450 | ---- | ---- | ---- | ---- | ---- | 0.14 - 0.06 | .2114 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 300 | |
| 4J CALL | | MT BELVIEU ETHANE 5-DCML (OPIS) | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.00637 +).00197 | .9865 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | |
| JUL18 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.05950 +).01318 | .9972 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01849 +).00825 | .7448 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 85 | |
| AUG18 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.04650 +).00927 | .9027 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01572 +).00487 | .5205 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 85 | |
| SEP18 | | | | | | | | | | | | | |

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# ENERGY OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**

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Side 43



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4J CALL | | MT BELVIEU ETHANE 5-DCML (OPIS) | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.03888 +).00460 | .7795 | ---- | ---- | ---- | ---- | 75 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01445 +).00242 | .4306 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 85 |
| OCT18 | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.03294 +).00229 | .7277 | ---- | ---- | ---- | ---- | 75 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01131 +).00110 | .3687 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 85 |
| NOV18 | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.03215 +).00188 | .6837 | ---- | ---- | ---- | ---- | 75 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01214 +).00095 | .3619 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 85 |
| DEC18 | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.03200 +).00179 | .6530 | ---- | ---- | ---- | ---- | 75 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01310 +).00096 | .3608 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | | 85 |
| JAN19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.01748 +).00080 | .4231 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| FEB19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.01832 +).00064 | .4218 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| MAR19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.01817 +).00045 | .4087 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| APR19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.01756 +).00027 | .3907 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| MAY19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.01848 +).00028 | .3945 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| JUN19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.01989 +).00029 | .4042 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| JUL19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.02008 +).00029 | .4064 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| AUG19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.02179 +).00030 | .4198 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| SEP19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.02387 +).00032 | .4361 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| OCT19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.02603 +).00033 | .4525 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| NOV19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.02820 +).00034 | .4679 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| DEC19 | | | | | | | | | | | | |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.03025 +).00035 | .4809 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 75 |
| 4K CALL | | MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.04686 NEW | ---- | ---- | ---- | ---- | 100 | 50 + 50 |
| TOTAL | | | | | | | | | | | 100 | 50 + 50 |
| 4K PUT | | MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.04757 NEW | ---- | ---- | ---- | ---- | 100 | 50 + 50 |
| TOTAL | | | | | | | | | | | 100 | 50 + 50 |
| 4H CALL | | MT BELVIEU PROPANE 5-DCML (OPIS) | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.00001 UNCH | .0020 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 50 |
| SEP18 | | | | | | | | | | | | |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.08522 +).01738 | .5572 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 2 |
| OCT18 | | | | | | | | | | | | |
| 8700 | ---- | ---- | ---- | ---- | ---- | 0.11602 +).02130 | .6145 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8900 | ---- | ---- | ---- | ---- | ---- | 0.10780 +).02130 | .5825 | ---- | ---- | ---- | ---- | 100 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.10396 +).02133 | .5670 | ---- | ---- | ---- | ---- | 53 UNCH |
| 9100 | ---- | ---- | ---- | ---- | ---- | 0.10029 +).02136 | .5517 | ---- | ---- | ---- | ---- | 25 UNCH |
| 9200 | ---- | ---- | ---- | ---- | ---- | 0.09686 +).02148 | .5369 | ---- | ---- | ---- | ---- | 25 UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.08759 +).02208 | .4949 | ---- | ---- | ---- | ---- | 27 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.03226 +).01312 | .2268 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 281 |
| NOV18 | | | | | | | | | | | | |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.18435 +).02145 | .7810 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8700 | ---- | ---- | ---- | ---- | ---- | 0.12656 +).02170 | .6143 | ---- | ---- | ---- | ---- | 1 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.11484 +).02141 | .5718 | ---- | ---- | ---- | ---- | 54 UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.09862 +).02039 | .5070 | ---- | ---- | ---- | ---- | 29 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.04245 +).00849 | .2618 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 135 |
| DEC18 | | | | | | | | | | | | |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.19075 +).02111 | .7696 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.13866 +).02144 | .6285 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8700 | ---- | ---- | ---- | ---- | ---- | 0.13450 +).02153 | .6149 | ---- | ---- | ---- | ---- | 1 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.12288 +).02153 | .5756 | ---- | ---- | ---- | ---- | 58 UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.10588 +).02047 | .5144 | ---- | ---- | ---- | ---- | 30 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.04861 +).01432 | .2803 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 141 |
| JAN19 | | | | | | | | | | | | |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.19137 +).02032 | .7521 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.14127 +).02035 | .6204 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8700 | ---- | ---- | ---- | ---- | ---- | 0.13717 +).02031 | .6076 | ---- | ---- | ---- | ---- | 1 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.12566 +).02024 | .5704 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.10901 +).02012 | .5126 | ---- | ---- | ---- | ---- | 6 UNCH |
| TOTAL | | | | | | | | | | | | 19 |
| FEB19 | | | | | | | | | | | | |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.18599 +).01989 | .7310 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.13939 +).01981 | .6033 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8700 | ---- | ---- | ---- | ---- | ---- | 0.13560 +).01976 | .5913 | ---- | ---- | ---- | ---- | 1 UNCH |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4H CALL | | MT BELVIEU PROPANE 5-DCML (OPIS) | | | | | | | | | | | |
| FEB19 | | | | | | | | | | | | | |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.12491 +0.01924 | .5565 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.10940 +0.01840 | .5027 | ---- | ---- | ---- | ---- | 6 | UNCH |
| TOTAL | | | | | | | | | | | | 18 | |
| MAR19 | | | | | | | | | | | | | |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.15016 +0.01863 | .6586 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.11196 +0.01798 | .5339 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 8700 | ---- | ---- | ---- | ---- | ---- | 0.10890 +0.01789 | .5226 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.10032 +0.01744 | .4903 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.08788 +0.01624 | .4410 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 16 | |
| APR19 | | | | | | | | | | | | | |
| 8600 | ---- | ---- | ---- | ---- | ---- | 0.03686 -0.00027 | .3581 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.02875 +0.00014 | .2918 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.02080 +0.00004 | .2231 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 6 | |
| MAY19 | | | | | | | | | | | | | |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.02795 -0.00007 | .2784 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.02050 +0.00002 | .2152 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 4 | |
| OCT19 | | | | | | | | | | | | | |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.13662 +0.01773 | .6079 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| NOV19 | | | | | | | | | | | | | |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.14147 +0.01839 | .6123 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| DEC19 | | | | | | | | | | | | | |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.14439 +0.01708 | .6158 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| JAN20 | | | | | | | | | | | | | |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.14554 +0.02511 | .6199 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| FEB20 | | | | | | | | | | | | | |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.12427 +0.02967 | .6034 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| MAR20 | | | | | | | | | | | | | |
| 7450 | ---- | ---- | ---- | ---- | ---- | 0.09614 +0.03574 | .5608 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| 4H PUT | | MT BELVIEU PROPANE 5-DCML (OPIS) | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.00001 UNCH | ---- | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.00001 UNCH | .0001 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 50 | |
| JUL18 | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.00001 UNCH | .0002 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.00004 UNCH | .0009 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.02323 +0.00160 | .2977 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 100 | |
| AUG18 | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.00005 +0.00003 | .0010 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.00013 +0.00003 | .0028 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.03786 -0.00056 | .3298 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 100 | |
| SEP18 | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.00029 +0.00008 | .0046 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.00073 +0.00001 | .0112 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 0.05027 -0.00036 | .3421 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 100 | |
| OCT18 | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.00167 +0.00038 | .0179 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.00334 +0.00006 | .0343 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 0.01317 UNCH | .1084 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.02687 -0.00013 | .1881 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.09651 -0.00019 | .4329 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 225 | |
| NOV18 | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.00288 +0.00029 | .0265 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.00587 +0.00001 | .0499 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.03476 -0.00003 | .2072 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.10740 -0.00008 | .4281 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 125 | |
| DEC18 | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.00428 +0.00018 | .0349 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.00847 +0.00002 | .0628 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.02621 -0.00014 | .1566 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.04122 -0.00032 | .2193 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.11546 +0.00009 | .4244 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 131 | |
| JAN19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.00309 +0.00027 | .0245 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.03207 -0.00018 | .1735 | ---- | ---- | ---- | ---- | 102 | UNCH |
| 7600 | ---- | ---- | ---- | ---- | ---- | 0.05228 -0.00026 | .2478 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.06054 -0.00026 | .2741 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 157 | |
| FEB19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.00483 +0.00050 | .0345 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.04001 -0.00004 | .1968 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.07138 -0.00023 | .2960 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 146 | |
| MAR19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.00836 +0.00062 | .0570 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.05726 -0.00007 | .2615 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.09662 -0.00032 | .3677 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 146 | |
| APR19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.00530 +0.00024 | .0496 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.06613 -0.01881 | .4704 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| MAY19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.00746 +0.00037 | .0645 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.07837 -0.01854 | .5040 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| JUN19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.00890 +0.00025 | .0725 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.08460 -0.01824 | .5078 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| JUL19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.00984 -0.00012 | .0766 | ---- | ---- | ---- | ---- | 35 | UNCH |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4H PUT | | MT BELVIEU PROPANE 5-DCML (OPIS) | | | | | | | | | | | |
| JUL19 | | | | | | | | | | | | | |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.08758 -0.01781 | .5013 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| AUG19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01112 +0.00004 | .0815 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.08974 -0.01807 | .4917 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| SEP19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01202 -0.00015 | .0842 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.09129 -0.01790 | .4814 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| OCT19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.02250 +0.00365 | .1146 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.13789 -0.00170 | .4336 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| NOV19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.02397 +0.00356 | .1171 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.14076 -0.00112 | .4276 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| DEC19 | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.02490 +0.00318 | .1183 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 0.04734 UNCH | .2026 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.14284 +0.00098 | .4224 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 55 | |
| DEC20 | | | | | | | | | | | | | |
| 6350 | ---- | ---- | ---- | ---- | ---- | 0.09699 -0.00012 | .2785 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.13131 -0.00036 | .3413 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | 30 | |
| DEC21 | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.10613 +0.00595 | .3037 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | |
| G4 CALL | | NATURAL GAS 1 M CSO FIN | | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | | |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.276 + 0.006 | .5692 | ---- | ---- | ---- | ---- | 3000 | UNCH |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.220 + 0.008 | .4169 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.145 + 0.007 | .2501 | ---- | ---- | ---- | ---- | 1550 | UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.097 + 0.004 | .1590 | ---- | ---- | ---- | ---- | 250 | UNCH |
| TOTAL | | | | | | | | | | | | 8300 | |
| G4 PUT | | NATURAL GAS 1 M CSO FIN | | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.023 - 0.002 | .1395 | ---- | ---- | ---- | ---- | 2916 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.046 - 0.005 | .2139 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.078 - 0.002 | .2852 | ---- | ---- | ---- | ---- | 1275 | UNCH |
| 250 | ---- | ---- | ---- | ---- | ---- | 0.179 - 0.002 | .4307 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| TOTAL | | | | | | | | | | | | 6691 | |
| G2 CALL | | NATURAL GAS 2 M CSO FIN | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.012 + 0.001 | .3286 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.002 UNCH | .0788 | ---- | ---- | ---- | ---- | 500 | UNCH |
| TOTAL | | | | | | | | | | | | 1000 | |
| G3 CALL | | NATURAL GAS 3 M CSO FIN | | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | | |
| - 250 | ---- | ---- | ---- | ---- | ---- | 0.055 + 0.007 | .5959 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 200 | ---- | ---- | ---- | ---- | ---- | 0.032 + 0.005 | .4085 | ---- | ---- | ---- | ---- | 7685 | UNCH |
| TOTAL | | | | | | | | | | | | 7885 | |
| G3 PUT | | NATURAL GAS 3 M CSO FIN | | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | | |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0013 | ---- | ---- | ---- | ---- | 8500 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0276 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 350 | ---- | ---- | ---- | ---- | ---- | 0.004 UNCH | .0903 | ---- | ---- | ---- | ---- | 14085 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 0.013 - 0.001 | .2245 | ---- | ---- | ---- | ---- | 6500 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 0.030 - 0.004 | .4040 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| - 200 | ---- | ---- | ---- | ---- | ---- | 0.057 - 0.006 | .5914 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | 31285 | |
| G6 CALL | | NATURAL GAS 6 M CSO FIN | | | | | | | | | | | |
| APR19 | | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.051 + 0.002 | .4267 | ---- | ---- | ---- | 500 | 1600 + | 500 |
| TOTAL | | | | | | | | | | | 500 | 1600 + | 500 |
| G6 PUT | | NATURAL GAS 6 M CSO FIN | | | | | | | | | | | |
| APR19 | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.014 - 0.001 | .1876 | ---- | ---- | ---- | 500 | 2300 + | 500 |
| - 50 | ---- | ---- | ---- | ---- | ---- | 0.052 + 0.001 | .4482 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| TOTAL | | | | | | | | | | | 500 | 3400 + | 500 |
| 6J CALL | | NATURAL GAS OPTION ON CALENDAR STRP | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1254 + 0.0120 | .5611 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1037 + 0.0104 | .4905 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0573 + 0.0064 | .3101 | ---- | ---- | ---- | ---- | 1860 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0186 + 0.0025 | .1218 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0055 + 0.0008 | .0414 | ---- | ---- | ---- | ---- | 24 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0005 + 0.0001 | .0044 | ---- | ---- | ---- | ---- | 114 | UNCH |
| TOTAL | | | | | | | | | | | | 3098 | |
| JAN20 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1009 + 0.0031 | .4095 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0414 + 0.0017 | .2187 | ---- | ---- | ---- | ---- | 640 | UNCH |
| TOTAL | | | | | | | | | | | | 1040 | |
| JAN21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0020 + 0.0001 | .0168 | ---- | ---- | ---- | ---- | 256 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0010 | ---- | ---- | ---- | ---- | 256 | UNCH |
| TOTAL | | | | | | | | | | | | 512 | |
| JAN22 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0330 + 0.0005 | .1255 | ---- | ---- | ---- | ---- | 124 | UNCH |
| TOTAL | | | | | | | | | | | | 124 | |
| JAN23 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0599 + 0.0005 | .1843 | ---- | ---- | ---- | ---- | 124 | UNCH |
| TOTAL | | | | | | | | | | | | 124 | |
| JAN25 | | | | | | | | | | | | | |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6J CALL | | NATURAL GAS OPTION ON CALENDAR STRP | | | | | | | | | | | | |
| JAN25 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0781 | + 0.0005 | .1838 | ---- | ---- | ---- | ---- | 124 | UNCH |
| TOTAL | | | | | | | | | | | | | 124 | |
| 6J PUT | | NATURAL GAS OPTION ON CALENDAR STRP | | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | | |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0085 | - 0.0015 | .0601 | ---- | ---- | ---- | ---- | 800 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.0176 | - 0.0029 | .1132 | ---- | ---- | ---- | ---- | 3264 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.0335 | - 0.0049 | .1941 | ---- | ---- | ---- | ---- | 1200 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.0764 | - 0.0090 | .3694 | ---- | ---- | ---- | ---- | 1600 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.0969 | - 0.0106 | .4388 | ---- | ---- | ---- | ---- | 600 | UNCH |
| TOTAL | | | | | | | | | | | | | 7464 | |
| ZR CALL | | NORTHERN ROCKIES PIPE OPTION | | | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0099 | + 0.0007 | .0537 | ---- | ---- | ---- | ---- | 372 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.0072 | + 0.0005 | .0403 | ---- | ---- | ---- | ---- | 62 | UNCH |
| TOTAL | | | | | | | | | | | | | 434 | |
| JAN19 | | | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1510 | + 0.0026 | .4125 | ---- | ---- | ---- | ---- | 124 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0900 | + 0.0019 | .2766 | ---- | ---- | ---- | ---- | 124 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0435 | + 0.0012 | .1509 | ---- | ---- | ---- | ---- | 372 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.0355 | + 0.0011 | .1265 | ---- | ---- | ---- | ---- | 62 | UNCH |
| TOTAL | | | | | | | | | | | | | 682 | |
| FEB19 | | | | | | | | | | | | | | |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1019 | + 0.0024 | .2602 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0724 | + 0.0019 | .1939 | ---- | ---- | ---- | ---- | 336 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.0631 | + 0.0017 | .1721 | ---- | ---- | ---- | ---- | 56 | UNCH |
| TOTAL | | | | | | | | | | | | | 504 | |
| DEC19 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0250 | + 0.0007 | .1135 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0109 | + 0.0002 | .0549 | ---- | ---- | ---- | ---- | 124 | UNCH |
| TOTAL | | | | | | | | | | | | | 186 | |
| JAN20 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0604 | UNCH | .1937 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0390 | - 0.0002 | .1304 | ---- | ---- | ---- | ---- | 124 | UNCH |
| TOTAL | | | | | | | | | | | | | 186 | |
| FEB20 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0742 | + 0.0046 | .2138 | ---- | ---- | ---- | ---- | 58 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0503 | + 0.0034 | .1512 | ---- | ---- | ---- | ---- | 116 | UNCH |
| TOTAL | | | | | | | | | | | | | 174 | |
| LC CALL | | NYMEX CRUDE OIL (EURO) OPTS (PHY) | | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 42.73 | + 2.23 | 1.0000 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 12.76 | + 2.21 | .9954 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 9.78 | + 2.18 | .9895 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 6.85 | + 2.03 | .9552 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.91 | + 1.94 | .9285 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 6850 | ---- | ---- | ---- | ---- | ---- | 4.58 | + 1.74 | .8620 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 4.16 | + 1.66 | .8332 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.38 | + 1.47 | .7624 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 2.09 | + 1.06 | .5843 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 1.59 | + 0.86 | .4885 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.89 | + 0.54 | .3151 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.37 | + 0.24 | .1466 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 0.28 | + 0.18 | .1129 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.22 | + 0.15 | .0888 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 0.17 | + 0.12 | .0691 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0019 | ---- | ---- | ---- | ---- | 150 | UNCH |
| TOTAL | | | | | | | | | | | | | 1261 | |
| SEP18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 41.16 | + 1.98 | 1.0000 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 21.21 | + 1.97 | .9984 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 16.26 | + 1.97 | .9877 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 11.37 | + 1.91 | .9572 | ---- | ---- | ---- | ---- | 1005 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 10.89 | + 1.90 | .9578 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 8.55 | + 1.80 | .9128 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.99 | + 1.60 | .8106 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.60 | + 1.56 | .7881 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.22 | + 1.51 | .7644 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.84 | + 1.29 | .6560 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.26 | + 1.20 | .5956 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 2.27 | + 0.98 | .4728 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.23 | + 0.65 | .3041 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.64 | + 0.38 | .1794 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 0.52 | + 0.32 | .1498 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.42 | + 0.26 | .1243 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 0.34 | + 0.21 | .1029 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0022 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | | 4546 | |
| OCT18 | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 10.35 | + 1.65 | .9080 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.62 | + 1.58 | .8570 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 7.00 | + 1.47 | .7896 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.54 | + 1.34 | .7117 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 4.88 | + 1.28 | .6667 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.26 | + 1.20 | .6196 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.71 | + 1.13 | .5704 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.19 | + 1.04 | .5208 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 2.32 | + 0.87 | .4223 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 1.96 | + 0.78 | .3753 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 1.65 | + 0.70 | .3310 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.38 | + 0.62 | .2896 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7600 | ---- | ---- | ---- | ---- | ---- | 1.15 | + 0.54 | .2516 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 0.96 | + 0.47 | .2177 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.80 | + 0.41 | .1876 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 0.67 | + 0.35 | .1615 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 0.47 | + 0.25 | .1189 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | | 461 | |
| NOV18 | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.98 | + 1.43 | .8595 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.37 | + 1.36 | .8034 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.89 | + 1.28 | .7350 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.54 | + 1.17 | .6613 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 4.94 | + 1.12 | .6205 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.36 | + 1.05 | .5788 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.84 | + 1.00 | .5362 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.36 | + 0.93 | .4934 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 2.53 | + 0.79 | .4091 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 2.18 | + 0.72 | .3688 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 1.87 | + 0.65 | .3303 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.60 | + 0.59 | .2943 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7600 | ---- | ---- | ---- | ---- | ---- | 1.37 | + 0.53 | .2612 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 1.17 | + 0.48 | .2307 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 0.99 | + 0.42 | .2023 | ---- | ---- | ---- | ---- | 20 | UNCH |

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# ENERGY OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT. PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LC CALL | | NYMEX CRUDE OIL (EURO) OPTS (PHY) | | | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | | | |
| 7900 | ---- | ---- | ---- | ---- | ---- | 0.85 | + | 0.37 | .1781 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 0.62 | + | 0.28 | .1366 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | | | 401 | |
| DEC18 | | | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 48.25 | + | 1.43 | .9999 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 38.32 | + | 1.43 | .9984 | ---- | ---- | ---- | ---- | 610 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 12.26 | + | 1.30 | .8890 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.78 | + | 1.22 | .8201 | ---- | ---- | ---- | ---- | 1300 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.27 | + | 1.17 | .7629 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.87 | + | 1.09 | .6975 | ---- | ---- | ---- | ---- | 1030 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.23 | + | 1.07 | .6641 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6600 | ---- | ---- | ---- | ---- | ---- | 5.61 | + | 1.03 | .6283 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.03 | + | 0.98 | .5914 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.49 | + | 0.93 | .5536 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 3.98 | + | 0.87 | .5153 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.52 | + | 0.81 | .4769 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 2.73 | + | 0.72 | .4023 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7300 | ---- | ---- | ---- | ---- | ---- | 2.39 | + | 0.67 | .3666 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.08 | + | 0.61 | .3321 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 1.80 | + | 0.55 | .2991 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7600 | ---- | ---- | ---- | ---- | ---- | 1.56 | + | 0.50 | .2686 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 1.35 | + | 0.46 | .2402 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 7800 | ---- | ---- | ---- | ---- | ---- | 1.16 | + | 0.41 | .2136 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7900 | ---- | ---- | ---- | ---- | ---- | 1.00 | + | 0.37 | .1897 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 0.75 | + | 0.28 | .1494 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0025 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0006 | ---- | ---- | ---- | ---- | 610 | UNCH |
| TOTAL | | | | | | | | | | | | | | 4266 | |
| JAN19 | | | | | | | | | | | | | | | |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.17 | + | 0.88 | .5696 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.66 | + | 0.85 | .5353 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.73 | + | 0.76 | .4663 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 2.94 | + | 0.67 | .3986 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.29 | + | 0.57 | .3348 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.02 | + | 0.54 | .3053 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 1.56 | + | 0.45 | .2512 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.05 | + | 0.33 | .1836 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 0.72 | + | 0.24 | .1337 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8800 | ---- | ---- | ---- | ---- | ---- | 0.40 | + | 0.14 | .0795 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.13 | + | 0.04 | .0273 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.06 | + | 0.02 | .0128 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 341 | |
| FEB19 | | | | | | | | | | | | | | | |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.23 | + | 0.77 | .5516 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.74 | + | 0.76 | .5197 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.84 | + | 0.69 | .4556 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.07 | + | 0.62 | .3930 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.44 | + | 0.54 | .3344 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.17 | + | 0.50 | .3070 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 1.70 | + | 0.42 | .2559 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.18 | + | 0.32 | .1920 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 0.83 | + | 0.24 | .1433 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8800 | ---- | ---- | ---- | ---- | ---- | 0.48 | + | 0.15 | .0887 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.17 | + | 0.05 | .0333 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.08 | + | 0.03 | .0160 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 341 | |
| MAR19 | | | | | | | | | | | | | | | |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.31 | + | 0.71 | .5382 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.81 | + | 0.68 | .5079 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.91 | + | 0.60 | .4471 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.15 | + | 0.53 | .3877 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.53 | + | 0.47 | .3324 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.26 | + | 0.44 | .3063 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7700 | ---- | ---- | ---- | ---- | ---- | 1.79 | + | 0.37 | .2576 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.27 | + | 0.28 | .1967 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 0.92 | + | 0.23 | .1503 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8800 | ---- | ---- | ---- | ---- | ---- | 0.55 | + | 0.16 | .0961 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.20 | + | 0.06 | .0374 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.09 | + | 0.02 | .0175 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 341 | |
| APR19 | | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.26 | + | 0.50 | .3849 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.37 | + | 0.42 | .3073 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.37 | + | 0.27 | .2021 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 1.00 | + | 0.23 | .1560 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8800 | ---- | ---- | ---- | ---- | ---- | 0.61 | + | 0.16 | .1018 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.23 | + | 0.07 | .0412 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.11 | + | 0.03 | .0205 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 241 | |
| MAY19 | | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.39 | + | 0.48 | .3839 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.49 | + | 0.41 | .3094 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.47 | + | 0.27 | .2075 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 1.09 | + | 0.23 | .1624 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8800 | ---- | ---- | ---- | ---- | ---- | 0.67 | + | 0.16 | .1073 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.26 | + | 0.08 | .0449 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.13 | + | 0.04 | .0232 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 241 | |
| JUN19 | | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.49 | + | 0.46 | .3826 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.58 | + | 0.39 | .3104 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 1.57 | + | 0.28 | .2128 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 1.17 | + | 0.23 | .1678 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8800 | ---- | ---- | ---- | ---- | ---- | 0.73 | + | 0.17 | .1126 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.28 | + | 0.08 | .0472 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.14 | + | 0.04 | .0246 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 241 | |
| JUL19 | | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.54 | + | 0.43 | .3791 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.31 | + | 0.08 | .0506 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.16 | + | 0.05 | .0271 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 151 | |
| AUG19 | | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.59 | + | 0.41 | .3765 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.34 | + | 0.09 | .0539 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.18 | + | 0.05 | .0296 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 151 | |
| SEP19 | | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.64 | + | 0.40 | .3745 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.36 | + | 0.08 | .0560 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.20 | + | 0.06 | .0320 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 151 | |
| OCT19 | | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.72 | + | 0.38 | .3741 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.40 | + | 0.08 | .0602 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.22 | + | 0.06 | .0344 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | | 151 | |

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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LC CALL | | NYMEX CRUDE OIL (EURO) OPTS (PHY) | | | | | | | | | | | | |
| NOV19 | | | | | | | | | | | | | | |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.78 | + 0.37 | .3732 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.43 | + 0.08 | .0631 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.24 | + 0.06 | .0366 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | 151 | |
| DEC19 | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.33 | + 0.45 | .6344 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.67 | + 0.44 | .5268 | ---- | ---- | ---- | ---- | 310 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.55 | + 0.42 | .4163 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 7200 | ---- | ---- | ---- | ---- | ---- | 3.85 | + 0.37 | .3731 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 2.00 | + 0.20 | .2307 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.46 | + 0.08 | .0661 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.34 | + 0.07 | .0500 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.25 | + 0.05 | .0377 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | 2571 | |
| DEC20 | | | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 13.92 | + 0.22 | .7642 | ---- | ---- | ---- | ---- | 116 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.97 | + 0.17 | .4745 | ---- | ---- | ---- | ---- | 3366 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.79 | + 0.11 | .0939 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.23 | + 0.04 | .0309 | ---- | ---- | ---- | ---- | 10000 | UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.08 | + 0.01 | .0115 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 13572 | |
| DEC21 | | | | | | | | | | | | | | |
| 9000 | ---- | ---- | ---- | ---- | ---- | 1.36 | + 0.03 | .1475 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | 40 | |
| DEC22 | | | | | | | | | | | | | | |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.97 | + 0.07 | .3452 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.88 | + 0.03 | .0991 | ---- | ---- | ---- | ---- | 410 | UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.74 | + 0.03 | .0842 | ---- | ---- | ---- | ---- | 490 | UNCH |
| TOTAL | | | | | | | | | | | | | 931 | |
| DEC23 | | | | | | | | | | | | | | |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.43 | + 0.05 | .4195 | ---- | ---- | ---- | ---- | 1628 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.98 | + 0.03 | .1062 | ---- | ---- | ---- | ---- | 70 | UNCH |
| TOTAL | | | | | | | | | | | | | 1698 | |
| LC PUT | | NYMEX CRUDE OIL (EURO) OPTS (PHY) | | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 160 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 300 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0003 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0011 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.02 | .0045 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.12 | .0334 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 57.19 | - 2.22 | .9980 | ---- | ---- | ---- | ---- | 150 | UNCH |
| TOTAL | | | | | | | | | | | | | 1966 | |
| SEP18 | | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 2200 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0005 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0015 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .0154 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.03 | .0249 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.06 | .0427 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.56 | - 0.30 | .1511 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 58.60 | - 1.97 | .9977 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | | 3306 | |
| OCT18 | | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0074 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.02 | .0102 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.02 | .0221 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 1.07 | - 0.32 | .2103 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | | 91 | |
| NOV18 | | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0015 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.02 | .0148 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.02 | .0229 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.20 | - 0.04 | .0408 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 1.70 | - 0.34 | .2649 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | | 91 | |
| DEC18 | | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0015 | ---- | ---- | ---- | ---- | 610 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.01 | .0108 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.10 | - 0.02 | .0182 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.02 | .0255 | ---- | ---- | ---- | ---- | 201 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.20 | - 0.04 | .0361 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.35 | - 0.06 | .0611 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.51 | - 0.09 | .0859 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 2.30 | - 0.33 | .3024 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 51.01 | - 1.42 | .9974 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 60.93 | - 1.43 | .9993 | ---- | ---- | ---- | ---- | 610 | UNCH |
| TOTAL | | | | | | | | | | | | | 1861 | |
| JAN19 | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.02 | .0228 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.17 | - 0.02 | .0275 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 1.31 | - 0.16 | .1729 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| FEB19 | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.21 | - 0.03 | .0312 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.25 | - 0.04 | .0368 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 1.76 | - 0.16 | .2022 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| MAR19 | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.31 | - 0.04 | .0416 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.37 | - 0.04 | .0488 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 2.18 | - 0.15 | .2249 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | | 31 | |
| APR19 | | | | | | | | | | | | | | |
| 5800 | ---- | ---- | ---- | ---- | ---- | 2.65 | - 0.08 | .2457 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | | 1 | |
| MAY19 | | | | | | | | | | | | | | |
| 5800 | ---- | ---- | ---- | ---- | ---- | 3.02 | - 0.12 | .2606 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | | 1 | |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LC PUT | | NYMEX CRUDE OIL (EURO) OPTS (PHY) | | | | | | | | | | |
| JUN19 | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 1.42 - 0.12 | .1334 | ---- | ---- | ---- | ---- | 800 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.51 - 0.15 | .2147 | ---- | ---- | ---- | ---- | 2100 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 3.34 - 0.19 | .2727 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 2901 |
| JUL19 | | | | | | | | | | | | |
| 5800 | ---- | ---- | ---- | ---- | ---- | 3.70 - 0.17 | .2854 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1 |
| AUG19 | | | | | | | | | | | | |
| 5800 | ---- | ---- | ---- | ---- | ---- | 4.02 - 0.16 | .2959 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1 |
| SEP19 | | | | | | | | | | | | |
| 5800 | ---- | ---- | ---- | ---- | ---- | 4.31 - 0.15 | .3050 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1 |
| OCT19 | | | | | | | | | | | | |
| 5800 | ---- | ---- | ---- | ---- | ---- | 4.60 - 0.15 | .3130 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1 |
| NOV19 | | | | | | | | | | | | |
| 5800 | ---- | ---- | ---- | ---- | ---- | 4.86 - 0.15 | .3201 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1 |
| DEC19 | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.84 - 0.02 | .0709 | ---- | ---- | ---- | ---- | 240 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 5.11 - 0.14 | .3262 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 241 |
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 47.76 + 2.23 | 1.0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 5000 | ---- | ---- | #22.96B/---- | #22.96B/---- | ---- | 22.76 + 2.23 | 1.0000 | ---- | ---- | ---- | ---- | 144 UNCH |
| 5100 | ---- | ---- | #21.97B/---- | #21.97B/---- | ---- | 21.76 + 2.23 | 1.0000 | 2 | ---- | ---- | ---- | 1 - 2 |
| 5150 | ---- | ---- | #21.46B/---- | #21.46B/---- | ---- | 21.26 + 2.23 | 1.0000 | 3 | ---- | ---- | ---- | 0 - 3 |
| 5200 | ---- | ---- | #20.96B/---- | #20.96B/---- | ---- | 20.76 + 2.23 | 1.0000 | 2 | ---- | ---- | ---- | 0 - 2 |
| 5250 | ---- | ---- | #20.46B/---- | #20.46B/---- | ---- | 20.26 + 2.23 | 1.0000 | 7 | ---- | ---- | ---- | 46 - 7 |
| 5300 | ---- | ---- | #19.96B/---- | #19.96B/---- | ---- | 19.76 + 2.23 | 1.0000 | 7 | ---- | ---- | ---- | 1 - 7 |
| 5350 | ---- | ---- | #19.46B/---- | #19.46B/---- | ---- | 19.26 + 2.23 | 1.0000 | 3 | ---- | ---- | ---- | 0 - 3 |
| 5400 | ---- | ---- | #18.96B/---- | #18.96B/---- | ---- | 18.76 + 2.23 | .9999 | 6 | ---- | ---- | ---- | 50 - 6 |
| 5450 | ---- | ---- | #18.46B/---- | #18.46B/---- | ---- | 18.26 + 2.23 | .9999 | 21 | ---- | ---- | ---- | 2 - 21 |
| 5500 | ---- | ---- | #17.96B/---- | #17.96B/---- | ---- | 17.76 + 2.23 | .9999 | 328 | ---- | ---- | ---- | 332 - 328 |
| 5550 | ---- | ---- | #17.47B/---- | #17.47B/---- | ---- | 17.26 + 2.23 | .9999 | 12 | ---- | ---- | ---- | 2 - 12 |
| 5600 | ---- | ---- | #16.96B/---- | #16.96B/---- | ---- | 16.76 + 2.23 | .9999 | ---- | ---- | 11 | ---- | 167 UNCH |
| 5650 | ---- | ---- | #16.46B/---- | #16.46B/---- | ---- | 16.26 + 2.23 | .9998 | 51 | ---- | ---- | ---- | 555 - 51 |
| 5700 | ---- | ---- | #15.96B/---- | #15.96B/---- | ---- | 15.76 + 2.23 | .9998 | ---- | ---- | ---- | ---- | 757 UNCH |
| 5750 | ---- | ---- | #15.46B/---- | #15.46B/---- | ---- | 15.26 + 2.23 | .9997 | ---- | ---- | ---- | ---- | 835 UNCH |
| 5800 | ---- | ---- | #14.96B/---- | #14.96B/---- | ---- | 14.76 + 2.22 | .9995 | 54 | ---- | ---- | ---- | 460 - 54 |
| 5850 | ---- | ---- | #14.46B/---- | #14.46B/---- | ---- | 14.26 + 2.22 | .9992 | ---- | ---- | ---- | ---- | 106 UNCH |
| 5900 | ---- | ---- | #13.96B/---- | #13.96B/---- | ---- | 13.76 + 2.22 | .9988 | ---- | ---- | ---- | ---- | 178 UNCH |
| 5950 | 12.97 | 12.97 | #13.46B/12.80/ | #13.46B/12.80/ | ---- | 13.26 + 2.21 | .9983 | ---- | ---- | 1 | ---- | 394 + 1 |
| 6000 | 11.09 | 11.09 | #12.96B/11.04/ | #12.96B/11.04/ | ---- | 12.76 + 2.21 | .9975 | ---- | ---- | 4 | ---- | 2234 - 1 |
| 6050 | 10.37 | 10.37 | #12.54B/10.35/ | #12.54B/10.35/ | ---- | 12.27 + 2.22 | .9965 | ---- | ---- | 16 | ---- | 431 UNCH |
| 6100 | 10.10 | 10.10 | #12.05B/9.98A | #12.05B/9.98A | ---- | 11.77 + 2.21 | .9950 | ---- | ---- | 25 | ---- | 496 + 13 |
| 6150 | 9.38 | 9.38 | #11.55B/9.36A | #11.55B/9.36A | ---- | 11.27 + 2.20 | .9908 | ---- | ---- | 18 | ---- | 1211 UNCH |
| 6200 | ---- | ---- | #10.97B/---- | #10.97B/---- | ---- | 10.77 + 2.19 | .9904 | ---- | ---- | 1 | ---- | 1733 UNCH |
| 6250 | ---- | ---- | #10.47B/---- | #10.47B/---- | ---- | 10.28 + 2.19 | .9900 | ---- | ---- | 2 | ---- | 806 UNCH |
| 6300 | 9.03 | 9.03 | #10.03B/8.90A | #10.03B/8.90A | ---- | 9.78 + 2.18 | .9855 | ---- | ---- | 1 | ---- | 2154 + 1 |
| 6350 | 9.01 | 9.01 | #9.54B/8.77A | #9.54B/8.77A | ---- | 9.29 + 2.17 | .9810 | ---- | ---- | 1 | ---- | 454 UNCH |
| 6400 | 8.00 | 8.00 | #9.04B/7.88 | #9.04B/7.88 | ---- | 8.80 + 2.16 | .9801 | ---- | ---- | 31 | ---- | 2212 - 30 |
| 6450 | 8.15 | 8.15 | 8.55B/7.80A | 8.55B/7.80A | ---- | 8.31 + 2.14 | .9752 | ---- | ---- | 2 | ---- | 1139 - 1 |
| 6500 | 6.58 | 6.58 | 8.07B/6.58 | 8.07B/6.58 | ---- | 7.82 + 2.11 | .9665 | ---- | ---- | 50 | ---- | 10026 - 41 |
| 6550 | 5.35 | 5.35 | 7.60/5.35 | 7.60/5.35 | ---- | 7.34 + 2.08 | .9611 | ---- | ---- | 30 | ---- | 2429 - 22 |
| 6600 | 5.02 | 5.02 | 7.10B/4.97A | 7.10B/4.97A | ---- | 6.86 + 2.05 | .9518 | ---- | ---- | 183 | ---- | 4601 - 19 |
| 6650 | 5.08 | 5.08 | 6.63B/5.08 | 6.63B/5.08 | ---- | 6.38 + 2.00 | .9388 | ---- | ---- | 29 | ---- | 3011 - 8 |
| 6700 | 4.12 | 4.12 | 6.16B/4.09A | 6.16B/4.09A | ---- | 5.92 + 1.95 | .9254 | ---- | ---- | 147 | ---- | 6244 - 23 |
| 6750 | 3.67 | 3.67 | 5.70B/3.67 | 5.70B/3.67 | ---- | 5.46 + 1.89 | .9085 | ---- | ---- | 50 | ---- | 2014 - 37 |
| 6800 | 3.29 | 3.29 | 5.24/3.29 | 5.24/3.29 | ---- | 5.01 + 1.82 | .8881 | ---- | ---- | 407 | ---- | 7710 - 180 |
| 6850 | 3.04 | 3.04 | 4.81B/2.95A | 4.81B/2.95A | ---- | 4.57 + 1.73 | .8620 | ---- | ---- | 213 | ---- | 2953 - 130 |
| 6900 | 2.71 | 2.71 | 4.38B/2.60A | 4.38B/2.60A | ---- | 4.16 + 1.66 | .8332 | ---- | ---- | 1182 | ---- | 3091 - 638 |
| 6950 | 2.42 | 2.42 | 3.98B/2.29A | 3.98B/2.29A | ---- | 3.76 + 1.57 | .7997 | ---- | ---- | 65 | ---- | 1734 - 51 |
| 7000 | 2.01 | 2.01 | 3.59B/1.99 | 3.59B/1.99 | ---- | 3.38 + 1.47 | .7624 | ---- | ---- | 1642 | 1000 | 14600 - 633 |
| 7050 | 1.79 | 1.79 | 3.22B/1.73 | 3.22B/1.73 | ---- | 3.02 + 1.37 | .7217 | ---- | ---- | 166 | ---- | 2349 - 63 |
| 7100 | 1.51 | 1.51 | 2.87/1.50A | 2.87/1.50A | ---- | 2.68 + 1.26 | .6774 | ---- | ---- | 2935 | ---- | 7849 - 882 |
| 7150 | 1.28 | 1.28 | 2.56/1.28 | 2.56/1.28 | ---- | 2.37 + 1.16 | .6321 | ---- | ---- | 1060 | ---- | 3401 - 438 |
| 7200 | 1.11 | 1.11 | 2.29/1.07 | 2.29/1.07 | ---- | 2.09 + 1.06 | .5843 | ---- | ---- | 3775 | 150 | 6918 - 848 |
| 7250 | 0.97 | 0.97 | 2.01/0.92 | 2.01/0.92 | ---- | 1.83 + 0.96 | .5363 | ---- | ---- | 3077 | 100 | 3270 + 828 |
| 7300 | 0.84 | 0.84 | 1.77/0.79 | 1.77/0.79 | ---- | 1.59 + 0.86 | .4885 | ---- | ---- | 4912 | 1100 | 8935 + 1014 |
| 7350 | 0.67 | 0.67 | 1.55/0.67 | 1.55/0.67 | ---- | 1.39 + 0.78 | .4422 | ---- | ---- | 1678 | ---- | 2536 - 177 |
| 7400 | 0.60 | 0.60 | 1.35/0.56 | 1.35/0.56 | ---- | 1.20 + 0.69 | .3973 | ---- | ---- | 2927 | 1000 | 5101 - 277 |
| 7450 | 0.48 | 0.48 | 1.17/0.45 | 1.17/0.45 | ---- | 1.04 + 0.62 | .3553 | ---- | ---- | 1191 | ---- | 1533 - 83 |
| 7500 | 0.36 | 0.36 | 1.02/0.36 | 1.02/0.36 | ---- | 0.89 + 0.54 | .3151 | ---- | ---- | 9745 | 1000 | 9677 - 1323 |
| 7550 | 0.32 | 0.32 | 0.88B/0.32 | 0.88B/0.32 | ---- | 0.77 + 0.48 | .2793 | ---- | ---- | 1516 | ---- | 1919 + 94 |
| 7600 | 0.24 | 0.24 | 0.78/0.24 | 0.78/0.24 | ---- | 0.66 + 0.42 | .2458 | ---- | ---- | 4291 | ---- | 4900 + 781 |
| 7650 | 0.25 | 0.25 | 0.66/0.24A | 0.66/0.24A | ---- | 0.57 + 0.36 | .2165 | ---- | ---- | 2372 | 200 | 6515 - 195 |
| 7700 | 0.22 | 0.22 | 0.58/0.19 | 0.58/0.19 | ---- | 0.50 + 0.33 | .1917 | ---- | ---- | 4531 | 700 | 9690 + 335 |
| 7750 | 0.18 | 0.18 | 0.50/0.17A | 0.50/0.17A | ---- | 0.43 + 0.28 | .1678 | ---- | ---- | 1942 | ---- | 3278 + 937 |
| 7800 | 0.15 | 0.15 | 0.44/0.14 | 0.44/0.14 | ---- | 0.37 + 0.24 | .1466 | ---- | ---- | 3584 | ---- | 10608 + 619 |
| 7850 | 0.11 | 0.11 | 0.39/0.11 | 0.39/0.11 | ---- | 0.32 + 0.21 | .1283 | ---- | ---- | 772 | ---- | 1313 - 97 |
| 7900 | 0.09 | 0.09 | 0.34/0.09 | 0.34/0.09 | ---- | 0.28 + 0.18 | .1129 | ---- | ---- | 1907 | ---- | 7709 + 48 |
| 7950 | 0.10 | 0.10 | 0.30/0.10 | 0.30/0.10 | ---- | 0.25 + 0.17 | .1006 | ---- | ---- | 1443 | ---- | 2437 - 93 |
| 8000 | 0.07 | 0.07 | 0.26/0.07 | 0.26/0.07 | ---- | 0.22 + 0.15 | .0888 | ---- | ---- | 7539 | 800 | 13098 + 2439 |
| 8050 | 0.08 | 0.08 | 0.23/0.08 | 0.23/0.08 | ---- | 0.19 + 0.13 | .0774 | ---- | ---- | 1099 | 100 | 1214 - 110 |
| 8100 | 0.07 | 0.07 | 0.20/0.07 | 0.20/0.07 | ---- | 0.17 + 0.12 | .0691 | ---- | ---- | 1867 | ---- | 4914 + 99 |
| 8150 | 0.06 | 0.06 | 0.19/0.06 | 0.19/0.06 | ---- | 0.15 + 0.10 | .0610 | ---- | ---- | 1066 | ---- | 1961 + 247 |
| 8200 | 0.05 | 0.05 | 0.16/0.05 | 0.16/0.05 | ---- | 0.13 + 0.09 | .0532 | ---- | ---- | 2274 | ---- | 10305 - 42 |
| 8250 | 0.04 | 0.04 | 0.14B/0.04 | 0.14B/0.04 | ---- | 0.12 + 0.09 | .0486 | ---- | ---- | 2891 | ---- | 3228 + 1179 |
| 8300 | 0.04 | 0.04 | 0.13/0.04 | 0.13/0.04 | ---- | 0.10 + 0.07 | .0411 | ---- | ---- | 2070 | ---- | 5128 + 184 |
| 8350 | 0.06 | 0.06 | 0.11/0.06 | 0.11/0.06 | ---- | 0.09 + 0.06 | .0369 | ---- | ---- | 825 | ---- | 1960 - 53 |
| 8400 | 0.03 | 0.03 | 0.10/0.03 | 0.10/0.03 | ---- | 0.08 + 0.06 | .0327 | ---- | ---- | 1572 | ---- | 6303 + 154 |
| 8450 | 0.03 | 0.03 | 0.09/0.03 | 0.09/0.03 | ---- | 0.07 + 0.05 | .0287 | ---- | ---- | 448 | ---- | 1675 - 185 |
| 8500 | 0.02 | 0.02 | 0.08/0.02 | 0.08/0.02 | ---- | 0.06 + 0.04 | .0247 | ---- | ---- | 1973 | ---- | 7976 + 12 |
| 8550 | 0.02 | 0.02 | 0.07/0.02 | 0.07/0.02 | ---- | 0.05 + 0.04 | .0209 | ---- | ---- | 363 | ---- | 2883 + 122 |
| 8600 | 0.04 | 0.04 | 0.06/0.04 | 0.06/0.04 | ---- | 0.05 + 0.04 | .0203 | ---- | ---- | 502 | ---- | 2640 - 174 |
| 8650 | 0.04 | 0.04 | 0.05/0.04 | 0.05/0.04 | ---- | 0.04 + 0.03 | .0166 | ---- | ---- | 638 | ---- | 1470 + 142 |
| 8700 | 0.02 | 0.02 | 0.05/0.02 | 0.05/0.02 | ---- | 0.04 + 0.03 | .0162 | ---- | ---- | 343 | ---- | 1506 + 30 |
| 8750 | 0.01 | 0.01 | 0.05/0.01 | 0.05/0.01 | ---- | 0.03 + 0.02 | .0125 | ---- | ---- | 142 | ---- | 951 + 81 |
| 8800 | 0.01 | 0.01 | 0.04/0.01 | 0.04/0.01 | ---- | 0.03 + 0.02 | .0122 | ---- | ---- | 1471 | ---- | 2700 + 761 |
| 8850 | 0.01 | 0.01 | 0.03/0.01 | 0.03/0.01 | ---- | 0.02 + 0.01 | .0085 | ---- | ---- | 312 | ---- | 1411 + 133 |
| 8900 | 0.01 | 0.01 | 0.03/0.01 | 0.03/0.01 | ---- | 0.02 + 0.01 | .0083 | ---- | ---- | 626 | ---- | 1021 + 84 |
| 8950 | 0.01 | 0.01 | 0.02/0.01 | 0.02/0.01 | ---- | 0.02 + 0.01 | .0081 | ---- | ---- | 266 | ---- | 972 + 91 |
| 9000 | 0.01 | 0.01 | 0.02/0.01 | 0.02/0.01 | ---- | 0.02 + 0.01 | .0080 | ---- | ---- | 330 | ---- | 1942 + 283 |
| 9050 | 0.01 | 0.01 | 0.02B/0.01 | 0.02B/0.01 | ---- | 0.01 UNCH | .0043 | ---- | ---- | 125 | ---- | 882 + 125 |
| 9100 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0035 | ---- | ---- | 480 | ---- | 2819 + 27 |
| 9150 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0029 | ---- | ---- | 543 | ---- | 749 + 517 |
| 9200 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0023 | ---- | ---- | 370 | ---- | 1453 + 276 |
| 9250 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0019 | ---- | ---- | 11 | ---- | 738 + 7 |
| 9300 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0015 | ---- | ---- | 10 | ---- | 605 + 10 |
| 9350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0012 | ---- | ---- | ---- | ---- | 581 UNCH |
| 9400 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0010 | ---- | ---- | 190 | ---- | 1556 - 190 |
| 9450 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0008 | ---- | ---- | ---- | ---- | 705 UNCH |
| 9500 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0006 | ---- | ---- | 1 | ---- | 1448 + 1 |
| 9550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0005 | ---- | ---- | ---- | ---- | 673 UNCH |
| 9600 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0004 | ---- | ---- | ---- | ---- | 668 UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | | |
| 9650 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0003 | ---- | ---- | ---- | ---- | 586 | UNCH |
| 9700 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0002 | ---- | ---- | ---- | ---- | 464 | UNCH |
| 9750 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0002 | ---- | ---- | ---- | ---- | 506 | UNCH |
| 9800 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 543 | UNCH |
| 9850 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 584 | UNCH |
| 9900 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 9950 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 876 | UNCH |
| 10050 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 103 | UNCH |
| 10100 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 656 | UNCH |
| 10150 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 301 | UNCH |
| 10200 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 483 | UNCH |
| 10250 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 68 | UNCH |
| 10300 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 553 | UNCH |
| 10350 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 563 | UNCH |
| 10400 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 976 | UNCH |
| 10450 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 722 | UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 958 | UNCH |
| 10550 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 97 | UNCH |
| 10600 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 76 | UNCH |
| 10650 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 3 | UNCH |
| 10700 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 500 | UNCH |
| 10750 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 2 | UNCH |
| 10800 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 413 | UNCH |
| 11050 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 3 | UNCH |
| 11100 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11150 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 4 | UNCH |
| 11550 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 500 | UNCH |
| 11600 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 88282 | 6150 | 274058 + | 4135 |
| SEP18 | | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 26.26 | + | 1.98 | .9999 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 24.26 | + | 1.98 | .9997 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 4750 | ---- | ---- | 21.98B/---- | 21.98B/---- | ---- | 23.76 | + | 1.98 | .9996 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| 4800 | ---- | ---- | 21.71B/---- | 21.71B/---- | ---- | 23.26 | + | 1.98 | .9995 | 548 | ---- | ---- | ---- | 769 - | 548 |
| 4850 | ---- | ---- | 20.95B/---- | 20.95B/---- | ---- | 22.76 | + | 1.98 | .9993 | ---- | ---- | ---- | ---- | 2100 | UNCH |
| 4900 | ---- | ---- | 20.70B/---- | 20.70B/---- | ---- | 22.26 | + | 1.98 | .9991 | 74 | ---- | ---- | ---- | 651 - | 74 |
| 4950 | ---- | ---- | 20.21B/---- | 20.21B/---- | ---- | 21.76 | + | 1.98 | .9988 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 5000 | ---- | ---- | 19.67B/---- | 19.67B/---- | ---- | 21.26 | + | 1.98 | .9984 | ---- | ---- | ---- | ---- | 3788 | UNCH |
| 5050 | ---- | ---- | 19.22B/---- | 19.22B/---- | ---- | 20.76 | + | 1.98 | .9979 | ---- | ---- | ---- | ---- | 1301 | UNCH |
| 5100 | ---- | ---- | 18.47B/---- | 18.47B/---- | ---- | 20.26 | + | 1.98 | .9974 | ---- | ---- | ---- | ---- | 1400 | UNCH |
| 5150 | ---- | ---- | 18.21B/---- | 18.21B/---- | ---- | 19.76 | + | 1.98 | .9966 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5200 | ---- | ---- | 17.71B/---- | 17.71B/---- | ---- | 19.26 | + | 1.98 | .9940 | ---- | ---- | ---- | ---- | 2207 | UNCH |
| 5250 | ---- | ---- | 17.16B/---- | 17.16B/---- | ---- | 18.76 | + | 1.97 | .9938 | 5 | ---- | ---- | ---- | 606 - | 5 |
| 5300 | ---- | ---- | 16.71B/---- | 16.71B/---- | ---- | 18.26 | + | 1.97 | .9936 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 5350 | ---- | ---- | 16.21B/---- | 16.21B/---- | ---- | 17.77 | + | 1.98 | .9910 | ---- | ---- | ---- | ---- | 201 | UNCH |
| 5400 | ---- | ---- | 15.72B/---- | 15.72B/---- | ---- | 17.27 | + | 1.97 | .9907 | 100 | ---- | ---- | ---- | 66 - | 100 |
| 5450 | ---- | ---- | 15.23B/---- | 15.23B/---- | ---- | 16.77 | + | 1.97 | .9904 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 5500 | ---- | ---- | 16.36B/---- | 16.36B/---- | ---- | 16.28 | + | 1.97 | .9877 | ---- | ---- | ---- | ---- | 8483 | UNCH |
| 5550 | ---- | ---- | 15.86B/---- | 15.86B/---- | ---- | 15.78 | + | 1.96 | .9873 | ---- | ---- | ---- | ---- | 1415 | UNCH |
| 5600 | 15.37 | 15.37 | 15.37/14.91A | 15.37/14.91A | ---- | 15.29 | + | 1.97 | .9845 | ---- | ---- | 1 | ---- | 3083 | UNCH |
| 5650 | ---- | ---- | 14.87B/---- | 14.87B/---- | ---- | 14.79 | + | 1.96 | .9816 | ---- | ---- | ---- | ---- | 1400 | UNCH |
| 5700 | ---- | ---- | 14.36B/---- | 14.36B/---- | ---- | 14.30 | + | 1.96 | .9811 | ---- | ---- | ---- | ---- | 1818 | UNCH |
| 5750 | ---- | ---- | 13.87B/---- | 13.87B/---- | ---- | 13.81 | + | 1.95 | .9780 | ---- | ---- | ---- | ---- | 2636 | UNCH |
| 5800 | ---- | ---- | 13.39B/---- | 13.39B/---- | ---- | 13.32 | + | 1.95 | .9750 | ---- | ---- | ---- | ---- | 2388 | UNCH |
| 5850 | 12.46 | 12.46 | 12.95B/12.46 | 12.95B/12.46 | ---- | 12.83 | + | 1.94 | .9718 | ---- | ---- | 10 | ---- | 855 - | 10 |
| 5900 | 12.39 | 12.39 | 12.46B/11.86A | 12.46B/11.86A | ---- | 12.34 | + | 1.93 | .9685 | ---- | ---- | 3 | ---- | 735 - | 3 |
| 5950 | ---- | ---- | 11.98B/---- | 11.98B/---- | ---- | 11.86 | + | 1.93 | .9629 | ---- | ---- | ---- | ---- | 1273 | UNCH |
| 6000 | 10.48 | 10.48 | 11.50B/10.45 | 11.50B/10.45 | ---- | 11.38 | + | 1.92 | .9572 | ---- | ---- | 8 | ---- | 14550 - | 2 |
| 6050 | ---- | ---- | 11.02B/---- | 11.02B/---- | ---- | 10.90 | + | 1.91 | .9513 | ---- | ---- | 2 | ---- | 574 | UNCH |
| 6100 | ---- | ---- | 10.54B/---- | 10.54B/---- | ---- | 10.42 | + | 1.89 | .9453 | ---- | ---- | ---- | ---- | 1654 | UNCH |
| 6150 | ---- | ---- | 10.09B/---- | 10.09B/---- | ---- | 9.95 | + | 1.87 | .9390 | ---- | ---- | 20 | ---- | 3082 + | 20 |
| 6200 | ---- | ---- | 9.62B/---- | 9.62B/---- | ---- | 9.48 | + | 1.85 | .9286 | ---- | ---- | ---- | ---- | 3746 | UNCH |
| 6250 | ---- | ---- | 9.16B/---- | 9.16B/---- | ---- | 9.02 | + | 1.83 | .9200 | ---- | ---- | 2 | ---- | 3556 - | 2 |
| 6300 | ---- | ---- | 8.70B/---- | 8.70B/---- | ---- | 8.56 | + | 1.81 | .9092 | ---- | ---- | ---- | ---- | 5755 | UNCH |
| 6350 | ---- | ---- | 8.25B/---- | 8.25B/---- | ---- | 8.11 | + | 1.78 | .8964 | ---- | ---- | 7 | ---- | 2901 - | 7 |
| 6400 | 6.79 | 6.79 | 7.80B/6.78A | 7.80B/6.78A | ---- | 7.66 | + | 1.74 | .8818 | ---- | ---- | 76 | ---- | 5300 | UNCH |
| 6450 | ---- | ---- | 7.37B/---- | 7.37B/---- | ---- | 7.23 | + | 1.71 | .8669 | ---- | ---- | 14 | ---- | 1191 | UNCH |
| 6500 | 6.95 | 6.95 | 6.95/6.38A | 6.95/6.38A | ---- | 6.81 | + | 1.68 | .8488 | ---- | ---- | 16 | ---- | 17022 - | 8 |
| 6550 | ---- | ---- | 6.52B/---- | 6.52B/---- | ---- | 6.39 | + | 1.64 | .8305 | ---- | ---- | 29 | ---- | 3316 - | 25 |
| 6600 | 4.64 | 4.64 | 6.12B/4.47A | 6.12B/4.47A | ---- | 5.99 | + | 1.60 | .8094 | ---- | ---- | 170 | ---- | 3232 - | 86 |
| 6650 | 4.88 | 4.88 | 5.72B/4.88 | 5.72B/4.88 | ---- | 5.60 | + | 1.56 | .7871 | ---- | ---- | 6 | ---- | 6089 - | 4 |
| 6700 | 4.86 | 4.86 | 5.34B/4.85 | 5.34B/4.85 | ---- | 5.22 | + | 1.51 | .7634 | ---- | ---- | 441 | ---- | 4925 - | 288 |
| 6750 | 4.24 | 4.24 | 4.97B/4.20A | 4.97B/4.20A | ---- | 4.86 | + | 1.46 | .7386 | ---- | ---- | 142 | ---- | 2675 - | 18 |
| 6800 | 3.23 | 3.23 | 4.65/3.23 | 4.65/3.23 | ---- | 4.51 | + | 1.41 | .7120 | ---- | ---- | 113 | ---- | 5233 - | 74 |
| 6850 | 3.56 | 3.56 | 4.28B/3.56 | 4.28B/3.56 | ---- | 4.17 | + | 1.36 | .6838 | ---- | ---- | 22 | ---- | 1838 - | 12 |
| 6900 | 2.80 | 2.80 | 3.96B/2.80 | 3.96B/2.80 | ---- | 3.85 | + | 1.30 | .6551 | ---- | ---- | 147 | ---- | 2087 - | 45 |
| 6950 | 2.45 | 2.45 | 3.65B/2.37A | 3.65B/2.37A | ---- | 3.55 | + | 1.25 | .6257 | ---- | ---- | 22 | 300 | 1729 + | 297 |
| 7000 | 2.13 | 2.13 | 3.38/2.13 | 3.38/2.13 | ---- | 3.26 | + | 1.20 | .5956 | ---- | ---- | 1339 | 1050 | 20047 - | 585 |
| 7050 | 1.95 | 1.95 | 3.08/1.92A | 3.08/1.92A | ---- | 2.99 | + | 1.14 | .5649 | ---- | ---- | 519 | ---- | 2553 + | 276 |
| 7100 | 1.77 | 1.77 | 2.84/1.72A | 2.84/1.72A | ---- | 2.74 | + | 1.09 | .5341 | ---- | ---- | 1128 | ---- | 7406 + | 362 |
| 7150 | 1.74 | 1.74 | 2.58B/1.70A | 2.58B/1.70A | ---- | 2.50 | + | 1.04 | .5034 | ---- | ---- | 1306 | ---- | 1767 + | 639 |
| 7200 | 1.36 | 1.36 | 2.35B/1.35 | 2.35B/1.35 | ---- | 2.27 | + | 0.98 | .4728 | ---- | ---- | 806 | 150 | 5588 - | 100 |
| 7250 | 1.39 | 1.39 | 2.14B/1.33A | 2.14B/1.33A | ---- | 2.06 | + | 0.92 | .4426 | ---- | ---- | 145 | ---- | 1900 - | 32 |
| 7300 | 1.13 | 1.13 | 1.95/1.07A | 1.95/1.07A | ---- | 1.87 | + | 0.87 | .4133 | ---- | ---- | 371 | ---- | 3304 + | 117 |
| 7350 | 0.99 | 0.99 | 1.76B/0.94A | 1.76B/0.94A | ---- | 1.69 | + | 0.81 | .3846 | ---- | ---- | 296 | ---- | 1245 + | 175 |
| 7400 | 0.90 | 0.90 | 1.61/0.82 | 1.61/0.82 | ---- | 1.52 | + | 0.75 | .3565 | ---- | ---- | 959 | ---- | 1782 + | 205 |
| 7450 | 0.76 | 0.76 | 1.44/0.73A | 1.44/0.73A | ---- | 1.37 | + | 0.70 | .3298 | ---- | ---- | 420 | ---- | 941 + | 195 |
| 7500 | 0.67 | 0.67 | 1.30/0.65A | 1.30/0.65A | ---- | 1.23 | + | 0.65 | .3041 | ---- | ---- | 2319 | 1600 | 11045 - | 422 |
| 7550 | 0.63 | 0.63 | 1.16B/0.63 | 1.16B/0.63 | ---- | 1.11 | + | 0.60 | .2803 | ---- | ---- | 102 | ---- | 507 + | 2 |
| 7600 | 0.53 | 0.53 | 1.06/0.50A | 1.06/0.50A | ---- | 0.99 | + | 0.55 | .2568 | ---- | ---- | 600 | 1000 | 2945 + | 7 |
| 7650 | 0.57 | 0.57 | 0.95/0.57 | 0.95/0.57 | ---- | 0.89 | + | 0.51 | .2355 | ---- | ---- | 338 | ---- | 652 - | 22 |
| 7700 | 0.41 | 0.41 | 0.86/0.39A | 0.86/0.39A | ---- | 0.80 | + | 0.46 | .2158 | ---- | ---- | 1012 | 200 | 2748 - | 195 |
| 7750 | 0.40 | 0.40 | 0.75/0.40 | 0.75/0.40 | ---- | 0.71 | + | 0.41 | .1961 | ---- | ---- | 846 | ---- | 1527 - | 77 |
| 7800 | 0.29 | 0.29 | 0.68/0.29 | 0.68/0.29 | ---- | 0.64 | + | 0.38 | .1794 | ---- | ---- | 508 | ---- | 1878 + | 2 |
| 7850 | 0.31 | 0.31 | 0.61B/0.30 | 0.61B/0.30 | ---- | 0.57 | + | 0.34 | .1629 | ---- | ---- | 247 | ---- | 369 + | 13 |
| 7900 | 0.28 | 0.28 | 0.56/0.28 | 0.56/0.28 | ---- | 0.52 | + | 0.32 | .1498 | ---- | ---- | 511 | ---- | 1823 - | 14 |
| 7950 | 0.30 | 0.30 | 0.50/0.28 | 0.50/0.28 | ---- | 0.46 | + | 0.28 | .1352 | ---- | ---- | 155 | ---- | 383 + | 64 |
| 8000 | 0.19 | 0.19 | 0.46/0.19 | 0.46/0.19 | ---- | 0.42 | + | 0.26 | .1243 | ---- | ---- | 3068 | 2000 | 13642 - | 801 |
| 8050 | 0.24 | 0.24 | 0.40B/0.24 | 0.40B/0.24 | ---- | 0.38 | + | 0.24 | .1135 | ---- | ---- | 51 | ---- | 805 + | 1 |
| 8100 | 0.21 | 0.21 | 0.38/0.21 | 0.38/0.21 | ---- | 0.34 | + | 0.21 | .1029 | ---- | ---- | 126 | ---- | 675 + | 67 |
| 8150 | 0.17 | 0.17 | 0.33B/0.17 | 0.33B/0.17 | ---- | 0.31 | + | 0.20 | .0944 | ---- | ---- | 120 | ---- | 500 + | 32 |
| 8200 | 0.12 | 0.12 | 0.31/0.11 | 0.31/0.11 | ---- | 0.28 | + | 0.18 | .0860 | ---- | ---- | 455 | ---- | 2039 + | 263 |
| 8250 | 0.10 | 0.10 | 0.27B/0.10 | 0.27B/0.10 | ---- | 0.26 | + | 0.17 | .0798 | ---- | ---- | 290 | ---- | 659 + | 58 |
| 8300 | 0.09 | 0.09 | 0.26/0.09 | 0.26/0.09 | ---- | 0.24 | + | 0.16 | .0738 | ---- | ---- | 300 | ---- | 489 | UNCH |
| 8350 | 0.16 | 0.16 | 0.23B/0.16 | 0.23B/0.16 | ---- | 0.22 | + | 0.15 | .0679 | ---- | ---- | 470 | ---- | 492 + | 172 |
| 8400 | 0.10 | 0.10 | 0.21/0.10 | 0.21/0.10 | ---- | 0.20 | + | 0.13 | .0621 | ---- | ---- | 134 | ---- | 515 + | 26 |
| 8450 | ---- | ---- | 0.19B/---- | 0.19B/---- | ---- | 0.18 | + | 0.12 | .0564 | ---- | ---- | 11 | ---- | 801 + | 3 |
| 8500 | 0.10 | 0.10 | 0.17/0.10 | 0.17/0.10 | ---- | 0.17 | + | 0.12 | .0530 | ---- | ---- | 373 | ---- | 3329 - | 9 |
| 8550 | 0.16 | 0.16 | 0.16/0.14A | 0.16/0.14A | ---- | 0.15 | + | 0.10 | .0474 | ---- | ---- | 117 | ---- | 268 - | 6 |
| 8600 | 0.11 | 0.11 | 0.14/0.11 | 0.14/0.11 | ---- | 0.14 | + | 0.10 | .0441 | ---- | ---- | 308 | ---- | 600 + | 277 |
| 8650 | 0.10 | 0.10 | 0.13B/0.10 | 0.13B/0.10 | ---- | 0.13 | + | 0.09 | .0410 | ---- | ---- | 44 | ---- | 187 - | 12 |
| 8700 | 0.05 | 0.05 | 0.12/0.05 | 0.12/0.05 | ---- | 0.12 | + | 0.09 | .0379 | ---- | ---- | 367 | ---- | 795 + | 17 |
| 8750 | 0.05 | 0.05 | 0.11/0.05 | 0.11/0.05 | ---- | 0.11 | + | 0.08 | .0348 | ---- | ---- | 141 | ---- | 460 - | 15 |
| 8800 | 0.03 | 0.03 | 0.10/0.03 | 0.10/0.03 | ---- | 0.10 | + | 0.07 | .0318 | ---- | ---- | 182 | 350 | 1705 + | 371 |
| 8850 | 0.09 | 0.09 | 0.09/0.09 | 0.09/0.09 | ---- | 0.09 | + | 0.07 | .0288 | ---- | ---- | 14 | ---- | 764 + | 3 |
| 8900 | 0.08 | 0.08 | 0.09/0.07 | 0.09/0.07 | ---- | 0.08 | + | 0.06 | .0259 | ---- | ---- | 705 | 1000 | 1639 + | 717 |
| 8950 | 0.03 | 0.03 | 0.08/0.03 | 0.08/0.03 | ---- | 0.07 | + | 0.05 | .0230 | ---- | ---- | 8 | ---- | 133 - | 2 |
| 9000 | 0.03 | 0.03 | 0.07/0.03 | 0.07/0.03 | ---- | 0.07 | + | 0.05 | .0226 | ---- | ---- | 310 | ---- | 1640 - | 6 |
| 9050 | 0.05 | 0.05 | 0.06B/0.05 | 0.06B/0.05 | ---- | 0.06 | + | 0.04 | .0197 | ---- | ---- | 395 | ---- | 1009 + | 296 |
| 9100 | 0.05 | 0.05 | 0.07/0.05 | 0.07/0.05 | ---- | 0.06 | + | 0.05 | .0194 | ---- | ---- | 9 | ---- | 332 + | 6 |
| 9150 | 0.03 | 0.03 | 0.05/0.03 | 0.05/0.03 | ---- | 0.05 | + | 0.04 | .0165 | ---- | ---- | 152 | ---- | 409 + | 89 |
| 9200 | 0.03 | 0.03 | 0.05/0.03 | 0.05/0.03 | ---- | 0.05 | + | 0.04 | .0162 | ---- | ---- | 251 | ---- | 823 + | 251 |
| 9250 | 0.02 | 0.02 | 0.04B/0.02 | 0.04B/0.02 | ---- | 0.04 | + | 0.03 | .0134 | ---- | ---- | 301 | ---- | 395 + | 292 |
| 9300 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.04 | + | 0.03 | .0132 | ---- | ---- | ---- | ---- | 835 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | | | |
| 9350 | 0.03 | 0.03 | 0.03/0.03 | 0.03/0.03 | ---- | 0.03 | + | 0.02 | .0103 | ---- | ---- | 200 | ---- | 231 + | 199 |
| 9400 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.03 | + | 0.02 | .0101 | ---- | ---- | ---- | ---- | 331 | UNCH |
| 9450 | 0.02 | 0.02 | 0.03B/0.02 | 0.03B/0.02 | ---- | 0.03 | + | 0.02 | .0100 | ---- | ---- | 20 | ---- | 667 + | 20 |
| 9500 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.03 | + | 0.02 | .0099 | ---- | ---- | 100 | ---- | 369 + | 4 |
| 9550 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.02 | + | 0.01 | .0070 | ---- | ---- | ---- | ---- | 174 | UNCH |
| 9600 | 0.02 | 0.02 | 0.02/0.02 | 0.02/0.02 | ---- | 0.02 | + | 0.01 | .0069 | ---- | ---- | 10 | ---- | 221 + | 10 |
| 9650 | 0.02 | 0.02 | 0.02/0.02 | 0.02/0.02 | ---- | 0.02 | + | 0.01 | .0068 | ---- | ---- | 265 | ---- | 266 + | 264 |
| 9700 | 0.02 | 0.02 | 0.02/0.02 | 0.02/0.02 | ---- | 0.02 | + | 0.01 | .0067 | ---- | ---- | 1 | ---- | 65 | UNCH |
| 9750 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0066 | ---- | ---- | ---- | ---- | 377 | UNCH |
| 9800 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0036 | ---- | ---- | 36 | ---- | 759 + | 36 |
| 9850 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0032 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 9900 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0028 | ---- | ---- | 5 | ---- | 372 | UNCH |
| 9950 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0024 | ---- | ---- | 150 | ---- | 156 + | 146 |
| 10000 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0021 | ---- | ---- | 218 | ---- | 462 - | 179 |
| 10050 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0018 | ---- | ---- | 495 | ---- | 996 + | 482 |
| 10100 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0016 | ---- | ---- | 3 | ---- | 247 + | 3 |
| 10150 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0014 | ---- | ---- | ---- | ---- | 58 | UNCH |
| 10200 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0012 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 10250 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0010 | ---- | ---- | ---- | ---- | 66 | UNCH |
| 10300 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0009 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 10350 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0008 | ---- | ---- | ---- | ---- | 376 | UNCH |
| 10400 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0007 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 10450 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0006 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0005 | ---- | ---- | ---- | ---- | 3433 | UNCH |
| 10550 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0004 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 10600 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0004 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 10650 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0003 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 10700 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0003 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 10750 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0002 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 10800 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0002 | ---- | ---- | ---- | ---- | 237 | UNCH |
| 10850 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 153 | UNCH |
| 10900 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 275 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 1613 | UNCH |
| 11050 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 11100 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 201 | UNCH |
| 11150 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 117 | UNCH |
| 11550 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 35 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 500 | UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 265 | UNCH |
| TOTAL | | | | | | | | | | | | 25383 | 7650 | 250013 + | 2691 |
| OCT18 | | | | | | | | | | | | | | | |
| 4900 | ---- | ---- | 19.46B/---- | 19.46B/---- | ---- | 20.96 | + | 1.79 | .9902 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | 18.56B/---- | 18.56B/---- | ---- | 19.97 | + | 1.79 | .9878 | ---- | ---- | ---- | ---- | 141 | UNCH |
| 5200 | ---- | ---- | 16.57B/---- | 16.57B/---- | ---- | 17.99 | + | 1.78 | .9825 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5250 | ---- | ---- | 16.08B/---- | 16.08B/---- | ---- | 17.50 | + | 1.78 | .9802 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5300 | ---- | ---- | 16.34B/---- | 16.34B/---- | ---- | 17.01 | + | 1.78 | .9778 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5450 | ---- | ---- | 15.68B/---- | 15.68B/---- | ---- | 15.54 | + | 1.76 | .9703 | ---- | ---- | ---- | ---- | 54 | UNCH |
| 5500 | ---- | ---- | 15.19B/---- | 15.19B/---- | ---- | 15.06 | + | 1.76 | .9659 | ---- | ---- | ---- | ---- | 114 | UNCH |
| 5550 | 13.09 | 13.09 | 14.71B/13.09 | 14.71B/13.09 | ---- | 14.58 | + | 1.76 | .9631 | ---- | ---- | 1 | ---- | 2 | UNCH |
| 5600 | ---- | ---- | 14.22B/---- | 14.22B/---- | ---- | 14.09 | + | 1.74 | .9585 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5650 | ---- | ---- | 13.74B/---- | 13.74B/---- | ---- | 13.62 | + | 1.75 | .9539 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 5700 | 11.56 | 11.56 | 13.27B/11.47A | 13.27B/11.47A | ---- | 13.14 | + | 1.73 | .9475 | ---- | ---- | 1 | ---- | 19 | UNCH |
| 5750 | ---- | ---- | 12.79B/---- | 12.79B/---- | ---- | 12.67 | + | 1.73 | .9426 | ---- | ---- | ---- | ---- | 24 | UNCH |
| 5800 | ---- | ---- | 12.32B/---- | 12.32B/---- | ---- | 12.20 | + | 1.71 | .9361 | ---- | ---- | 11 | ---- | 29 + | 11 |
| 5850 | ---- | ---- | 11.86B/---- | 11.86B/---- | ---- | 11.73 | + | 1.70 | .9279 | ---- | ---- | ---- | ---- | 806 | UNCH |
| 5900 | ---- | ---- | 11.40B/---- | 11.40B/---- | ---- | 11.27 | + | 1.68 | .9210 | ---- | ---- | ---- | ---- | 264 | UNCH |
| 5950 | ---- | ---- | 10.94B/---- | 10.94B/---- | ---- | 10.81 | + | 1.67 | .9125 | ---- | ---- | 9 | ---- | 1784 + | 6 |
| 6000 | 8.88 | 8.88 | 10.50/8.77A | 10.50/8.77A | ---- | 10.36 | + | 1.65 | .9025 | ---- | ---- | 10 | ---- | 2832 - | 2 |
| 6050 | ---- | ---- | 10.05B/---- | 10.05B/---- | ---- | 9.92 | + | 1.64 | .8911 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 6100 | ---- | ---- | 9.61B/---- | 9.61B/---- | ---- | 9.48 | + | 1.62 | .8796 | ---- | ---- | ---- | ---- | 568 | UNCH |
| 6150 | ---- | ---- | 9.18B/---- | 9.18B/---- | ---- | 9.05 | + | 1.60 | .8679 | ---- | ---- | ---- | ---- | 254 | UNCH |
| 6200 | 7.15 | 7.15 | 8.75B/7.12A | 8.75B/7.12A | ---- | 8.62 | + | 1.57 | .8537 | ---- | ---- | 3 | ---- | 217 | UNCH |
| 6250 | ---- | ---- | 8.33B/---- | 8.33B/---- | ---- | 8.21 | + | 1.56 | .8394 | ---- | ---- | ---- | ---- | 92 | UNCH |
| 6300 | ---- | ---- | 7.92B/---- | 7.92B/---- | ---- | 7.80 | + | 1.53 | .8239 | ---- | ---- | 1 | ---- | 1132 - | 1 |
| 6350 | ---- | ---- | 7.52B/---- | 7.52B/---- | ---- | 7.40 | + | 1.50 | .8073 | ---- | ---- | ---- | ---- | 237 | UNCH |
| 6400 | ---- | ---- | 7.13B/---- | 7.13B/---- | ---- | 7.01 | + | 1.47 | .7896 | ---- | ---- | 15 | ---- | 2739 - | 11 |
| 6450 | ---- | ---- | 6.75B/---- | 6.75B/---- | ---- | 6.63 | + | 1.44 | .7710 | ---- | ---- | ---- | ---- | 722 | UNCH |
| 6500 | 5.01 | 5.01 | 6.42/4.92A | 6.42/4.92A | ---- | 6.26 | + | 1.41 | .7515 | ---- | ---- | 92 | ---- | 4695 - | 17 |
| 6550 | ---- | ---- | 6.01B/---- | 6.01B/---- | ---- | 5.90 | + | 1.38 | .7312 | ---- | ---- | ---- | ---- | 1258 | UNCH |
| 6600 | 4.52 | 4.52 | 5.67B/4.49A | 5.67B/4.49A | ---- | 5.55 | + | 1.35 | .7107 | ---- | ---- | 30 | ---- | 3059 - | 10 |
| 6650 | 4.53 | 4.53 | 5.33B/4.53 | 5.33B/4.53 | ---- | 5.21 | + | 1.31 | .6888 | ---- | ---- | 10 | ---- | 1322 | UNCH |
| 6700 | 3.96 | 3.96 | 5.00B/3.90A | 5.00B/3.90A | ---- | 4.89 | + | 1.28 | .6659 | ---- | ---- | 284 | ---- | 2410 - | 184 |
| 6750 | 4.27 | 4.27 | 4.68B/4.26A | 4.68B/4.26A | ---- | 4.57 | + | 1.24 | .6429 | ---- | ---- | 2 | ---- | 366 | UNCH |
| 6800 | 3.22 | 3.22 | 4.37B/3.21A | 4.37B/3.21A | ---- | 4.27 | + | 1.20 | .6191 | ---- | ---- | 41 | ---- | 2724 - | 5 |
| 6850 | 2.96 | 2.96 | 4.08B/2.90A | 4.08B/2.90A | ---- | 3.98 | + | 1.16 | .5949 | ---- | ---- | 167 | ---- | 394 + | 41 |
| 6900 | 3.17 | 3.17 | 3.80B/3.14A | 3.80B/3.14A | ---- | 3.70 | + | 1.12 | .5704 | ---- | ---- | 275 | 1150 | 3158 + | 1006 |
| 6950 | 2.89 | 2.89 | 3.55B/2.89 | 3.55B/2.89 | ---- | 3.44 | + | 1.08 | .5457 | ---- | ---- | 224 | 750 | 1654 + | 862 |
| 7000 | 2.30 | 2.30 | 3.30/2.24A | 3.30/2.24A | ---- | 3.19 | + | 1.04 | .5208 | ---- | ---- | 134 | 475 | 7727 - | 22 |
| 7050 | 2.08 | 2.08 | 3.05B/2.04A | 3.05B/2.04A | ---- | 2.95 | + | 0.99 | .4958 | ---- | ---- | 27 | ---- | 253 | UNCH |
| 7100 | 1.87 | 1.87 | 2.84/1.87 | 2.84/1.87 | ---- | 2.73 | + | 0.95 | .4711 | ---- | ---- | 228 | ---- | 2470 - | 113 |
| 7150 | 1.74 | 1.74 | 2.60B/1.69A | 2.60B/1.69A | ---- | 2.52 | + | 0.91 | .4466 | ---- | ---- | 125 | ---- | 571 + | 50 |
| 7200 | 1.78 | 1.78 | 2.40B/1.76A | 2.40B/1.76A | ---- | 2.32 | + | 0.87 | .4223 | ---- | ---- | 284 | ---- | 3564 + | 126 |
| 7250 | 1.51 | 1.51 | 2.21B/1.50A | 2.21B/1.50A | ---- | 2.14 | + | 0.83 | .3988 | ---- | ---- | 9 | ---- | 143 | UNCH |
| 7300 | 1.27 | 1.27 | 2.26/1.26A | 2.26/1.26A | ---- | 1.96 | + | 0.78 | .3753 | ---- | ---- | 346 | ---- | 1325 + | 57 |
| 7350 | 1.24 | 1.24 | 1.86B/1.22 | 1.86B/1.22 | ---- | 1.80 | + | 0.74 | .3529 | ---- | ---- | 70 | ---- | 253 + | 48 |
| 7400 | 1.06 | 1.06 | 1.72/1.02 | 1.72/1.02 | ---- | 1.65 | + | 0.70 | .3310 | ---- | ---- | 569 | ---- | 771 - | 247 |
| 7450 | 1.20 | 1.20 | 1.57B/1.20 | 1.57B/1.20 | ---- | 1.51 | + | 0.66 | .3099 | ---- | ---- | 11 | ---- | 271 + | 2 |
| 7500 | 0.80 | 0.80 | 1.44/0.80 | 1.44/0.80 | ---- | 1.38 | + | 0.62 | .2896 | ---- | ---- | 393 | ---- | 12416 + | 80 |
| 7550 | 0.81 | 0.81 | 1.31/0.81 | 1.31/0.81 | ---- | 1.26 | + | 0.58 | .2701 | ---- | ---- | 19 | ---- | 238 + | 5 |
| 7600 | 0.69 | 0.69 | 1.21/0.68A | 1.21/0.68A | ---- | 1.15 | + | 0.54 | .2516 | ---- | ---- | 192 | ---- | 749 + | 14 |
| 7650 | 0.76 | 0.76 | 1.10/0.74A | 1.10/0.74A | ---- | 1.05 | + | 0.51 | .2341 | ---- | ---- | 20 | ---- | 314 - | 7 |
| 7700 | 0.60 | 0.60 | 1.00/0.60 | 1.00/0.60 | ---- | 0.96 | + | 0.47 | .2177 | ---- | ---- | 45 | ---- | 2331 + | 30 |
| 7750 | 0.50 | 0.50 | 0.91B/0.49 | 0.91B/0.49 | ---- | 0.88 | + | 0.44 | .2026 | ---- | ---- | 43 | ---- | 148 + | 1 |
| 7800 | 0.48 | 0.48 | 0.85/0.48 | 0.85/0.48 | ---- | 0.80 | + | 0.41 | .1876 | ---- | ---- | 102 | ---- | 583 + | 18 |
| 7850 | 0.43 | 0.43 | 0.76B/0.43 | 0.76B/0.43 | ---- | 0.73 | + | 0.37 | .1739 | ---- | ---- | 70 | ---- | 288 + | 40 |
| 7900 | 0.38 | 0.38 | 0.71/0.38 | 0.71/0.38 | ---- | 0.67 | + | 0.35 | .1615 | ---- | ---- | 89 | ---- | 253 + | 34 |
| 7950 | 0.36 | 0.36 | 0.65/0.36 | 0.65/0.36 | ---- | 0.61 | + | 0.32 | .1493 | ---- | ---- | 29 | ---- | 91 | UNCH |
| 8000 | 0.32 | 0.32 | 0.61/0.32 | 0.61/0.32 | ---- | 0.56 | + | 0.30 | .1386 | ---- | ---- | 2943 | ---- | 2932 - | 725 |
| 8050 | 0.30 | 0.30 | 0.55/0.30 | 0.55/0.30 | ---- | 0.52 | + | 0.28 | .1295 | ---- | ---- | 35 | ---- | 206 - | 3 |
| 8100 | 0.36 | 0.36 | 0.50/0.36 | 0.50/0.36 | ---- | 0.47 | + | 0.25 | .1189 | ---- | ---- | 29 | ---- | 241 + | 9 |
| 8150 | 0.30 | 0.30 | 0.45B/0.29A | 0.45B/0.29A | ---- | 0.44 | + | 0.24 | .1116 | ---- | ---- | 16 | ---- | 20 - | 5 |
| 8200 | 0.21 | 0.21 | 0.43/0.21 | 0.43/0.21 | ---- | 0.40 | + | 0.22 | .1028 | ---- | ---- | 76 | ---- | 222 + | 11 |
| 8250 | 0.20 | 0.20 | 0.38/0.20 | 0.38/0.20 | ---- | 0.37 | + | 0.21 | .0957 | ---- | ---- | 34 | ---- | 292 + | 3 |
| 8300 | 0.19 | 0.19 | 0.36/0.19 | 0.36/0.19 | ---- | 0.34 | + | 0.19 | .0887 | ---- | ---- | 303 | ---- | 593 - | 30 |
| 8350 | 0.20 | 0.20 | 0.33/0.20 | 0.33/0.20 | ---- | 0.31 | + | 0.17 | .0818 | ---- | ---- | 43 | ---- | 253 | UNCH |
| 8400 | 0.23 | 0.23 | 0.31/0.23 | 0.31/0.23 | ---- | 0.29 | + | 0.16 | .0766 | ---- | ---- | 64 | ---- | 180 + | 4 |
| 8450 | 0.20 | 0.20 | 0.28B/0.20 | 0.28B/0.20 | ---- | 0.26 | + | 0.14 | .0698 | ---- | ---- | 23 | ---- | 65 + | 22 |
| 8500 | 0.13 | 0.13 | 0.26B/0.13 | 0.26B/0.13 | ---- | 0.24 | + | 0.13 | .0648 | ---- | ---- | 195 | ---- | 5254 + | 157 |
| 8550 | 0.23 | 0.23 | 0.24B/0.21A | 0.24B/0.21A | ---- | 0.23 | + | 0.13 | .0618 | ---- | ---- | 1 | ---- | 30 + | 1 |
| 8600 | 0.16 | 0.16 | 0.22B/0.16 | 0.22B/0.16 | ---- | 0.21 | + | 0.12 | .0569 | ---- | ---- | 44 | ---- | 114 + | 31 |
| 8650 | ---- | ---- | 0.20B/---- | 0.20B/---- | ---- | 0.19 | + | 0.11 | .0521 | ---- | ---- | ---- | ---- | 98 | UNCH |
| 8700 | 0.16 | 0.16 | 0.19/0.16 | 0.19/0.16 | ---- | 0.18 | + | 0.10 | .0493 | ---- | ---- | 22 | ---- | 435 + | 22 |
| 8750 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.17 | + | 0.10 | .0465 | ---- | ---- | ---- | ---- | 158 | UNCH |
| 8800 | 0.10 | 0.10 | 0.16B/0.10 | 0.16B/0.10 | ---- | 0.15 | + | 0.08 | .0417 | ---- | ---- | 55 | ---- | 314 + | 49 |
| 8850 | 0.08 | 0.08 | 0.15B/0.08 | 0.15B/0.08 | ---- | 0.14 | + | 0.08 | .0390 | ---- | ---- | 5 | ---- | 19 - | 1 |
| 8900 | ---- | ---- | 0.13B/---- | 0.13B/---- | ---- | 0.13 | + | 0.07 | .0364 | ---- | ---- | ---- | ---- | 806 | UNCH |
| 8950 | ---- | ---- | 0.13B/---- | 0.13B/---- | ---- | 0.12 | + | 0.07 | .0338 | ---- | ---- | 27 | ---- | 122 | UNCH |
| 9000 | 0.05 | 0.05 | 0.12/0.05 | 0.12/0.05 | ---- | 0.11 | + | 0.06 | .0311 | ---- | ---- | 1311 | ---- | 3483 - | 12 |
| 9050 | ---- | ---- | 0.11B/---- | 0.11B/---- | ---- | 0.11 | + | 0.07 | .0307 | ---- | ---- | ---- | ---- | 274 | UNCH |
| 9100 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 | + | 0.06 | .0281 | ---- | ---- | 3 | ---- | 14 - | 1 |
| 9150 | ---- | ---- | 0.09B/---- | 0.09B/---- | ---- | 0.09 | + | 0.05 | .0256 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 9200 | 0.09 | 0.09 | 0.09/0.08A | 0.09/0.08A | ---- | 0.08 | + | 0.05 | .0231 | ---- | ---- | 1 | ---- | 163 - | 1 |
| 9250 | ---- | ---- | 0.08B/---- | 0.08B/---- | ---- | 0.08 | + | 0.05 | .0227 | ---- | ---- | ---- | ---- | 81 | UNCH |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | | | | |
| 9300 | ---- | ---- | 0.07B/---- | 0.07B/---- | ---- | 0.07 | + | 0.04 | .0202 | ---- | ---- | ---- | ---- | 272 | UNCH |
| 9350 | 0.04 | 0.04 | 0.07B/0.04 | 0.07B/0.04 | ---- | 0.07 | + | 0.04 | .0200 | ---- | ---- | 1 | ---- | 83 | - 1 |
| 9400 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.06 | + | 0.04 | .0175 | ---- | ---- | 4 | ---- | 179 | + 4 |
| 9450 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.06 | + | 0.04 | .0172 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 9500 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.05 | + | 0.03 | .0147 | ---- | ---- | ---- | ---- | 235 | UNCH |
| 9550 | 0.05 | 0.05 | 0.05/0.05 | 0.05/0.05 | ---- | 0.05 | + | 0.03 | .0146 | ---- | ---- | 271 | ---- | 275 | + 271 |
| 9600 | 0.04 | 0.04 | 0.04/0.04 | 0.04/0.04 | ---- | 0.04 | + | 0.02 | .0120 | ---- | ---- | 125 | ---- | 335 | + 125 |
| 9650 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.04 | + | 0.02 | .0119 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 9700 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.04 | + | 0.03 | .0117 | ---- | ---- | ---- | ---- | 352 | UNCH |
| 9750 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.04 | + | 0.03 | .0116 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 9800 | 0.03 | 0.03 | 0.03/0.03 | 0.03/0.03 | ---- | 0.03 | + | 0.02 | .0091 | ---- | ---- | 1 | ---- | 210 | UNCH |
| 9850 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.03 | + | 0.02 | .0090 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 9900 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.03 | + | 0.02 | .0089 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 9950 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.03 | + | 0.02 | .0088 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10000 | 0.02 | 0.02 | 0.02/0.02 | 0.02/0.02 | ---- | 0.02 | + | 0.01 | .0062 | ---- | ---- | 57 | ---- | 407 | + 41 |
| 10050 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.02 | + | 0.01 | .0062 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 10100 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0061 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 10150 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0060 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 10200 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0060 | ---- | ---- | ---- | ---- | 401 | UNCH |
| 10250 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.02 | + | 0.01 | .0059 | ---- | ---- | 1 | ---- | 171 | + 1 |
| 10300 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.02 | + | 0.01 | .0059 | ---- | ---- | 49 | ---- | 80 | + 49 |
| 10350 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.01 | | UNCH | .0032 | ---- | ---- | 100 | ---- | 102 | + 100 |
| 10400 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0029 | ---- | ---- | 146 | ---- | 300 | + 133 |
| 10450 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0026 | ---- | ---- | 50 | ---- | 416 | + 50 |
| 10500 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | | UNCH | .0023 | ---- | ---- | 5 | ---- | 454 | + 5 |
| 10550 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0021 | ---- | ---- | ---- | ---- | 355 | UNCH |
| 10600 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0019 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 10700 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0015 | ---- | ---- | ---- | ---- | 353 | UNCH |
| 10800 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0012 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0008 | ---- | ---- | ---- | ---- | 131 | UNCH |
| 11150 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0005 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0002 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 11550 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0002 | ---- | ---- | ---- | ---- | 167 | UNCH |
| 11650 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 304 | UNCH |
| 11700 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 251 | UNCH |
| 11800 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 162 | UNCH |
| TOTAL | | | | | | | | | | | | 10021 | 2375 | 90851 | + 2121 |
| NOV18 | | | | | | | | | | | | | | | |
| 4700 | ---- | ---- | 20.91B/---- | 20.91B/---- | ---- | 22.23 | + | 1.62 | .9873 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4750 | ---- | ---- | 20.41B/---- | 20.41B/---- | ---- | 21.74 | + | 1.62 | .9854 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | 18.85 | 18.85 | 18.85/18.85 | 18.85/18.85 | ---- | 19.27 | + | 1.60 | .9770 | ---- | ---- | 4 | ---- | 147 | UNCH |
| 5150 | ---- | ---- | 16.50B/---- | 16.50B/---- | ---- | 17.81 | + | 1.60 | .9690 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5300 | ---- | ---- | 15.07B/---- | 15.07B/---- | ---- | 16.36 | + | 1.58 | .9591 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 5350 | ---- | ---- | 15.32B/---- | 15.32B/---- | ---- | 15.88 | + | 1.57 | .9552 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5500 | ---- | ---- | 14.65B/---- | 14.65B/---- | ---- | 14.46 | + | 1.55 | .9402 | ---- | ---- | ---- | ---- | 340 | UNCH |
| 5550 | ---- | ---- | #14.19B/---- | #14.19B/---- | ---- | 13.99 | + | 1.54 | .9346 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 5600 | ---- | ---- | 13.72B/---- | 13.72B/---- | ---- | 13.53 | + | 1.53 | .9289 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 5650 | ---- | ---- | 13.25B/---- | 13.25B/---- | ---- | 13.07 | + | 1.52 | .9218 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 5700 | ---- | ---- | 12.81B/---- | 12.81B/---- | ---- | 12.62 | + | 1.52 | .9134 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 5750 | ---- | ---- | 12.35B/---- | 12.35B/---- | ---- | 12.17 | + | 1.51 | .9050 | ---- | ---- | ---- | ---- | 77 | UNCH |
| 5800 | ---- | ---- | 11.91B/---- | 11.91B/---- | ---- | 11.72 | + | 1.49 | .8965 | ---- | ---- | ---- | ---- | 1061 | UNCH |
| 5850 | ---- | ---- | 11.47B/---- | 11.47B/---- | ---- | 11.28 | + | 1.48 | .8868 | ---- | ---- | ---- | ---- | 1046 | UNCH |
| 5900 | 10.16 | 10.16 | 11.03B/10.16 | 11.03B/10.16 | ---- | 10.85 | + | 1.47 | .8770 | ---- | ---- | 1 | ---- | 40 | UNCH |
| 5950 | ---- | ---- | 10.60B/---- | 10.60B/---- | ---- | 10.42 | + | 1.45 | .8660 | ---- | ---- | ---- | ---- | 84 | UNCH |
| 6000 | ---- | ---- | 10.18B/---- | 10.18B/---- | ---- | 10.00 | + | 1.44 | .8540 | ---- | ---- | ---- | ---- | 1899 | UNCH |
| 6050 | ---- | ---- | 9.76B/---- | 9.76B/---- | ---- | 9.58 | + | 1.42 | .8419 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 6100 | 8.54 | 8.54 | 9.35B/8.54 | 9.35B/8.54 | ---- | 9.17 | + | 1.40 | .8287 | ---- | ---- | 3 | ---- | 92 | - 2 |
| 6150 | 8.15 | 8.15 | 8.95B/8.15 | 8.95B/8.15 | ---- | 8.77 | + | 1.38 | .8147 | ---- | ---- | 1 | ---- | 342 | + 1 |
| 6200 | ---- | ---- | 8.55B/---- | 8.55B/---- | ---- | 8.38 | + | 1.36 | .8005 | ---- | ---- | ---- | ---- | 493 | UNCH |
| 6250 | ---- | ---- | 8.17B/---- | 8.17B/---- | ---- | 7.99 | + | 1.34 | .7848 | ---- | ---- | ---- | ---- | 191 | UNCH |
| 6300 | ---- | ---- | 7.79B/---- | 7.79B/---- | ---- | 7.62 | + | 1.32 | .7689 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6350 | ---- | ---- | 7.41B/---- | 7.41B/---- | ---- | 7.25 | + | 1.30 | .7523 | ---- | ---- | ---- | ---- | 157 | UNCH |
| 6400 | 5.84 | 5.84 | 7.05B/5.68A | 7.05B/5.68A | ---- | 6.89 | + | 1.27 | .7350 | ---- | ---- | 1 | ---- | 393 | - 1 |
| 6450 | 5.68 | 5.68 | 6.69B/5.56A | 6.69B/5.56A | ---- | 6.54 | + | 1.25 | .7171 | ---- | ---- | 15 | ---- | 1168 | + 15 |
| 6500 | 5.15 | 5.15 | 6.35B/5.04A | 6.35B/5.04A | ---- | 6.20 | + | 1.23 | .6990 | ---- | ---- | 2 | ---- | 5291 | - 1 |
| 6550 | ---- | ---- | 6.02B/---- | 6.02B/---- | ---- | 5.87 | + | 1.20 | .6799 | ---- | ---- | ---- | ---- | 794 | UNCH |
| 6600 | ---- | ---- | 5.69B/---- | 5.69B/---- | ---- | 5.55 | + | 1.18 | .6604 | ---- | ---- | ---- | ---- | 1784 | UNCH |
| 6650 | ---- | ---- | 5.38B/---- | 5.38B/---- | ---- | 5.24 | + | 1.15 | .6407 | ---- | ---- | ---- | ---- | 67 | UNCH |
| 6700 | 4.24 | 4.24 | 5.07B/4.24 | 5.07B/4.24 | ---- | 4.94 | + | 1.12 | .6203 | ---- | ---- | 212 | ---- | 884 | - 30 |
| 6750 | ---- | ---- | 4.78B/---- | 4.78B/---- | ---- | 4.65 | + | 1.09 | .5996 | ---- | ---- | 14 | ---- | 93 | - 14 |
| 6800 | ---- | ---- | 4.49B/---- | 4.49B/---- | ---- | 4.37 | + | 1.06 | .5788 | ---- | ---- | ---- | ---- | 309 | UNCH |
| 6850 | ---- | ---- | 4.22B/---- | 4.22B/---- | ---- | 4.10 | + | 1.03 | .5576 | ---- | ---- | ---- | ---- | 160 | UNCH |
| 6900 | 3.64 | 3.64 | 3.96B/3.58A | 3.96B/3.58A | ---- | 3.84 | + | 0.99 | .5362 | ---- | ---- | 199 | ---- | 1003 | + 66 |
| 6950 | ---- | ---- | 3.71B/---- | 3.71B/---- | ---- | 3.60 | + | 0.97 | .5148 | ---- | ---- | 300 | ---- | 537 | + 292 |
| 7000 | 2.60 | 2.60 | 3.47B/2.60 | 3.47B/2.60 | ---- | 3.36 | + | 0.93 | .4934 | ---- | ---- | 320 | ---- | 2053 | - 28 |
| 7050 | ---- | ---- | 3.24B/---- | 3.24B/---- | ---- | 3.14 | + | 0.90 | .4721 | ---- | ---- | ---- | ---- | 92 | UNCH |
| 7100 | 3.01 | 3.01 | 3.02B/2.71A | 3.02B/2.71A | ---- | 2.93 | + | 0.86 | .4510 | ---- | ---- | 43 | ---- | 352 | - 8 |
| 7150 | ---- | ---- | 2.82B/---- | 2.82B/---- | ---- | 2.73 | + | 0.83 | .4301 | ---- | ---- | ---- | ---- | 333 | UNCH |
| 7200 | 2.50 | 2.50 | 2.62B/2.34A | 2.62B/2.34A | ---- | 2.54 | + | 0.80 | .4095 | ---- | ---- | 21 | ---- | 431 | + 1 |
| 7250 | ---- | ---- | 2.43B/---- | 2.43B/---- | ---- | 2.35 | + | 0.75 | .3887 | ---- | ---- | ---- | ---- | 193 | UNCH |
| 7300 | 1.98 | 1.98 | 2.26B/1.97A | 2.26B/1.97A | ---- | 2.18 | + | 0.72 | .3688 | ---- | ---- | 33 | ---- | 827 | + 33 |
| 7350 | 2.09 | 2.09 | 2.10B/1.86A | 2.10B/1.86A | ---- | 2.02 | + | 0.68 | .3493 | ---- | ---- | 1 | ---- | 211 | + 1 |
| 7400 | ---- | ---- | 1.94B/---- | 1.94B/---- | ---- | 1.87 | + | 0.65 | .3303 | ---- | ---- | 301 | ---- | 666 | + 59 |
| 7450 | ---- | ---- | 1.80B/---- | 1.80B/---- | ---- | 1.73 | + | 0.62 | .3120 | ---- | ---- | ---- | ---- | 281 | UNCH |
| 7500 | 1.68 | 1.68 | 1.68/1.47A | 1.68/1.47A | ---- | 1.60 | + | 0.59 | .2943 | ---- | ---- | 101 | ---- | 6930 | - 18 |
| 7550 | ---- | ---- | 1.54B/---- | 1.54B/---- | ---- | 1.48 | + | 0.56 | .2773 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 7600 | 1.41 | 1.41 | 1.42B/1.26A | 1.42B/1.26A | ---- | 1.37 | + | 0.53 | .2612 | ---- | ---- | 6 | ---- | 221 | - 2 |
| 7650 | 1.28 | 1.28 | 1.31B/1.16A | 1.31B/1.16A | ---- | 1.26 | + | 0.50 | .2450 | ---- | ---- | 204 | ---- | 347 | + 101 |
| 7700 | 1.10 | 1.10 | 1.21/1.07A | 1.21/1.07A | ---- | 1.17 | + | 0.48 | .2307 | ---- | ---- | 144 | ---- | 298 | + 119 |
| 7750 | 0.89 | 0.89 | 1.12B/0.89 | 1.12B/0.89 | ---- | 1.08 | + | 0.45 | .2165 | ---- | ---- | 21 | ---- | 43 | - 15 |
| 7800 | 0.92 | 0.92 | 1.07/0.91A | 1.07/0.91A | ---- | 1.00 | + | 0.42 | .2033 | ---- | ---- | 262 | ---- | 427 | + 245 |
| 7850 | ---- | ---- | 0.95B/---- | 0.95B/---- | ---- | 0.92 | + | 0.40 | .1902 | ---- | ---- | ---- | ---- | 173 | UNCH |
| 7900 | 0.73 | 0.73 | 0.88B/0.73 | 0.88B/0.73 | ---- | 0.85 | + | 0.37 | .1781 | ---- | ---- | 4 | ---- | 98 | UNCH |
| 7950 | 0.81 | 0.81 | 0.81/0.72A | 0.81/0.72A | ---- | 0.78 | + | 0.34 | .1662 | ---- | ---- | 101 | ---- | 213 | + 1 |
| 8000 | 0.42 | 0.42 | 0.75B/0.42 | 0.75B/0.42 | ---- | 0.72 | + | 0.32 | .1554 | ---- | ---- | 394 | ---- | 634 | - 7 |
| 8050 | ---- | ---- | 0.70B/---- | 0.70B/---- | ---- | 0.67 | + | 0.30 | .1459 | ---- | ---- | ---- | ---- | 137 | UNCH |
| 8100 | 0.38 | 0.38 | 0.64B/0.38 | 0.64B/0.38 | ---- | 0.62 | + | 0.28 | .1366 | ---- | ---- | 8 | ---- | 109 | + 5 |
| 8150 | ---- | ---- | 0.60B/---- | 0.60B/---- | ---- | 0.57 | + | 0.26 | .1273 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 8200 | 0.30 | 0.30 | 0.55/0.30 | 0.55/0.30 | ---- | 0.53 | + | 0.24 | .1193 | ---- | ---- | 31 | ---- | 101 | - 24 |
| 8250 | 0.43 | 0.43 | 0.51B/0.43 | 0.51B/0.43 | ---- | 0.50 | + | 0.23 | .1129 | ---- | ---- | 105 | ---- | 375 | + 28 |
| 8300 | 0.45 | 0.45 | 0.49/0.43A | 0.49/0.43A | ---- | 0.46 | + | 0.21 | .1051 | ---- | ---- | 16 | ---- | 192 | UNCH |
| 8350 | ---- | ---- | 0.45B/---- | 0.45B/---- | ---- | 0.43 | + | 0.20 | .0988 | ---- | ---- | ---- | ---- | 95 | UNCH |
| 8400 | 0.33 | 0.33 | 0.42B/0.33 | 0.42B/0.33 | ---- | 0.40 | + | 0.19 | .0926 | ---- | ---- | 2 | ---- | 97 | + 1 |
| 8450 | 0.39 | 0.39 | 0.39/0.35A | 0.39/0.35A | ---- | 0.38 | + | 0.19 | .0880 | ---- | ---- | 25 | ---- | 137 | UNCH |
| 8500 | 0.22 | 0.22 | 0.37/0.22 | 0.37/0.22 | ---- | 0.35 | + | 0.17 | .0819 | ---- | ---- | 514 | ---- | 288 | + 98 |
| 8550 | ---- | ---- | 0.34B/---- | 0.34B/---- | ---- | 0.33 | + | 0.16 | .0774 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 8600 | 0.26 | 0.26 | 0.32B/0.26 | 0.32B/0.26 | ---- | 0.31 | + | 0.15 | .0730 | ---- | ---- | 204 | ---- | 213 | + 94 |
| 8650 | ---- | ---- | 0.30B/---- | 0.30B/---- | ---- | 0.29 | + | 0.14 | .0687 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 8700 | 0.18 | 0.18 | 0.28/0.18 | 0.28/0.18 | ---- | 0.27 | + | 0.13 | .0643 | ---- | ---- | 7 | ---- | 17 | + 4 |
| 8750 | ---- | ---- | 0.26B/---- | 0.26B/---- | ---- | 0.25 | + | 0.12 | .0601 | ---- | ---- | ---- | ---- | 95 | UNCH |
| 8800 | 0.22 | 0.22 | 0.24B/0.22 | 0.24B/0.22 | ---- | 0.24 | + | 0.12 | .0575 | ---- | ---- | 1 | ---- | 235 | + 1 |
| 8850 | 0.11 | 0.11 | 0.23B/0.11 | 0.23B/0.11 | ---- | 0.22 | + | 0.11 | .0533 | ---- | ---- | 10 | ---- | 168 | UNCH |
| 8900 | 0.14 | 0.14 | 0.22/0.14 | 0.22/0.14 | ---- | 0.21 | + | 0.10 | .0508 | ---- | ---- | 53 | ---- | 207 | + 1 |
| 8950 | 0.21 | 0.21 | 0.21/0.19A | 0.21/0.19A | ---- | 0.20 | + | 0.10 | .0483 | ---- | ---- | 7 | ---- | 59 | + 2 |
| 9000 | 0.11 | 0.11 | 0.19/0.11 | 0.19/0.11 | ---- | 0.19 | + | 0.10 | .0459 | ---- | ---- | 46 | ---- | 350 | + 16 |
| 9050 | 0.19 | 0.19 | 0.19/0.17A | 0.19/0.17A | ---- | 0.18 | + | 0.09 | .0436 | ---- | ---- | 6 | ---- | 60 | + 6 |
| 9100 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.17 | + | 0.09 | .0412 | ---- | ---- | ---- | ---- | 199 | UNCH |
| 9150 | ---- | ---- | 0.16B/---- | 0.16B/---- | ---- | 0.16 | + | 0.08 | .0389 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 9200 | ---- | ---- | 0.15B/---- | 0.15B/---- | ---- | 0.15 | + | 0.08 | .0366 | ---- | ---- | ---- | ---- | 28 | UNCH |
| 9250 | ---- | ---- | 0.14B/---- | 0.14B/---- | ---- | 0.14 | + | 0.07 | .0344 | ---- | ---- | 200 | ---- | 99 | - 200 |
| 9300 | 0.14 | 0.14 | 0.14/0.13A | 0.14/0.13A | ---- | 0.13 | + | 0.06 | .0321 | ---- | ---- | 6 | ---- | 7 | + 6 |
| 9350 | ---- | ---- | 0.12B/---- | 0.12B/---- | ---- | 0.12 | + | 0.06 | .0299 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 9400 | ---- | ---- | 0.12B/---- | 0.12B/---- | ---- | 0.12 | + | 0.06 | .0295 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 9450 | ---- | ---- | 0.11B/---- | 0.11B/---- | ---- | 0.11 | + | 0.06 | .0273 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 9500 | ---- | ---- | 0.10B/---- | 0.10B/---- | ---- | 0.11 | + | 0.06 | .0270 | ---- | ---- | ---- | ---- | 110 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | | |
| 9600 | 0.08 | 0.08 | 0.09B/0.08 | 0.09B/0.08 | ---- | 0.09 | + 0.04 | .0226 | ---- | ---- | 1 | ---- | 107 | UNCH |
| 9650 | ---- | ---- | 0.09B/---- | 0.09B/---- | ---- | 0.09 | + 0.05 | .0224 | ---- | ---- | ---- | ---- | 113 | UNCH |
| 9700 | ---- | ---- | 0.08B/---- | 0.08B/---- | ---- | 0.08 | + 0.04 | .0202 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 9750 | ---- | ---- | 0.08B/---- | 0.08B/---- | ---- | 0.08 | + 0.04 | .0200 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 9800 | ---- | ---- | #0.07B/---- | #0.07B/---- | ---- | 0.07 | + 0.03 | .0178 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 9900 | ---- | ---- | #0.07B/---- | #0.07B/---- | ---- | 0.07 | + 0.04 | .0175 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 9950 | ---- | ---- | #0.06B/---- | #0.06B/---- | ---- | 0.06 | + 0.03 | .0153 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 10000 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.06 | + 0.03 | .0151 | ---- | ---- | ---- | ---- | 193 | UNCH |
| 10050 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.06 | + 0.04 | .0150 | ---- | ---- | ---- | ---- | 119 | UNCH |
| 10100 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.05 | + 0.03 | .0128 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 10200 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.05 | + 0.03 | .0126 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 10250 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.04 | + 0.02 | .0104 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 10300 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.04 | + 0.02 | .0103 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 10400 | ---- | ---- | #0.03B/---- | #0.03B/---- | ---- | 0.04 | + 0.03 | .0102 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 10500 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.03 | + 0.02 | .0079 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 10700 | ---- | ---- | #0.02B/---- | #0.02B/---- | ---- | 0.03 | + 0.02 | .0076 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 10800 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.02 | + 0.01 | .0054 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 10900 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.02 | + 0.01 | .0053 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.02 | + 0.01 | .0052 | ---- | ---- | ---- | ---- | 135 | UNCH |
| 11050 | ---- | ---- | ---- | ---- | ---- | 0.02 | + 0.01 | .0052 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11100 | ---- | ---- | ---- | ---- | ---- | 0.02 | + 0.01 | .0051 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 11150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0028 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0026 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 11400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0018 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 11700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0011 | ---- | ---- | ---- | ---- | 4 | UNCH |
| TOTAL | | | | | | | | | | | 3950 | | 37983 + | 846 |
| DEC18 | | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 48.61 | + 1.44 | 1.0000 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 33.61 | + 1.44 | .9986 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4000 | ---- | ---- | 27.42B/---- | 27.42B/---- | ---- | 28.61 | + 1.44 | .9944 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 4100 | ---- | ---- | 26.35B/26.16A | 26.35B/26.16A | ---- | 27.61 | + 1.44 | .9926 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4150 | ---- | ---- | 25.94B/---- | 25.94B/---- | ---- | 27.11 | + 1.44 | .9925 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 26.61 | + 1.44 | .9909 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 24.62 | + 1.43 | .9872 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4500 | ---- | ---- | 22.41B/22.16A | 22.41B/22.16A | ---- | 23.62 | + 1.42 | .9852 | ---- | ---- | ---- | ---- | 1695 | UNCH |
| 4550 | ---- | ---- | 21.94B/21.67A | 21.94B/21.67A | ---- | 23.13 | + 1.42 | .9834 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4600 | ---- | ---- | 21.42B/21.17A | 21.42B/21.17A | ---- | 22.64 | + 1.43 | .9817 | ---- | ---- | ---- | ---- | 1302 | UNCH |
| 4650 | ---- | ---- | 20.95B/20.68A | 20.95B/20.68A | ---- | 22.14 | + 1.42 | .9799 | ---- | ---- | ---- | ---- | 650 | UNCH |
| 4700 | ---- | ---- | 20.44B/20.19A | 20.44B/20.19A | ---- | 21.65 | + 1.42 | .9781 | ---- | ---- | ---- | ---- | 2017 | UNCH |
| 4750 | ---- | ---- | 19.95B/19.69A | 19.95B/19.69A | ---- | 21.16 | + 1.41 | .9763 | ---- | ---- | ---- | ---- | 2756 | UNCH |
| 4800 | ---- | ---- | 19.46B/19.22A | 19.46B/19.22A | ---- | 20.67 | + 1.41 | .9744 | ---- | ---- | ---- | ---- | 2248 | UNCH |
| 4850 | ---- | ---- | 18.97B/18.72A | 18.97B/18.72A | ---- | 20.18 | + 1.41 | .9724 | ---- | ---- | ---- | ---- | 3743 | UNCH |
| 4900 | ---- | ---- | 18.49B/18.25A | 18.49B/18.25A | ---- | 19.70 | + 1.41 | .9705 | ---- | ---- | ---- | ---- | 6911 | UNCH |
| 4950 | ---- | ---- | 18.00B/17.77A | 18.00B/17.77A | ---- | 19.21 | + 1.40 | .9671 | ---- | ---- | ---- | ---- | 804 | UNCH |
| 5000 | ---- | ---- | 17.52B/17.29A | 17.52B/17.29A | ---- | 18.73 | + 1.40 | .9638 | ---- | ---- | ---- | ---- | 20304 | UNCH |
| 5050 | ---- | ---- | 17.05B/16.81A | 17.05B/16.81A | ---- | 18.25 | + 1.40 | .9604 | ---- | ---- | ---- | ---- | 3446 | UNCH |
| 5100 | ---- | ---- | 16.95B/16.33A | 16.95B/16.33A | ---- | 17.77 | + 1.39 | .9569 | ---- | ---- | ---- | ---- | 7232 | UNCH |
| 5150 | 16.76 | 16.76 | 17.11B/15.86A | 17.11B/15.86A | ---- | 17.29 | + 1.38 | .9533 | ---- | ---- | 1 | ---- | 2502 | UNCH |
| 5200 | ---- | ---- | 17.04B/15.40A | 17.04B/15.40A | ---- | 16.82 | + 1.38 | .9486 | ---- | ---- | ---- | ---- | 6362 | UNCH |
| 5250 | ---- | ---- | 16.57B/14.93A | 16.57B/14.93A | ---- | 16.35 | + 1.38 | .9437 | ---- | ---- | ---- | ---- | 1663 | UNCH |
| 5300 | ---- | ---- | 16.10B/14.47A | 16.10B/14.47A | ---- | 15.88 | + 1.37 | .9388 | ---- | ---- | ---- | ---- | 3743 | UNCH |
| 5350 | ---- | ---- | 15.64B/14.02A | 15.64B/14.02A | ---- | 15.42 | + 1.37 | .9338 | ---- | ---- | ---- | ---- | 1766 | UNCH |
| 5400 | ---- | ---- | 15.18B/13.57A | 15.18B/13.57A | ---- | 14.96 | + 1.36 | .9276 | ---- | ---- | ---- | ---- | 4770 | UNCH |
| 5450 | ---- | ---- | 14.72B/13.12A | 14.72B/13.12A | ---- | 14.50 | + 1.35 | .9213 | ---- | ---- | ---- | ---- | 2140 | UNCH |
| 5500 | ---- | ---- | 14.26B/12.68A | 14.26B/12.68A | ---- | 14.05 | + 1.35 | .9140 | ---- | ---- | ---- | ---- | 22227 | UNCH |
| 5550 | ---- | ---- | 13.81B/12.24A | 13.81B/12.24A | ---- | 13.60 | + 1.33 | .9065 | ---- | ---- | ---- | ---- | 3552 | UNCH |
| 5600 | ---- | ---- | 13.37B/11.81A | 13.37B/11.81A | ---- | 13.16 | + 1.33 | .8981 | ---- | ---- | ---- | ---- | 4211 | UNCH |
| 5650 | ---- | ---- | 12.93B/11.38A | 12.93B/11.38A | ---- | 12.72 | + 1.31 | .8895 | ---- | ---- | ---- | ---- | 2534 | UNCH |
| 5700 | ---- | ---- | 12.49B/10.96A | 12.49B/10.96A | ---- | 12.29 | + 1.30 | .8809 | ---- | ---- | ---- | ---- | 3004 | UNCH |
| 5750 | ---- | ---- | 12.05B/10.55A | 12.05B/10.55A | ---- | 11.86 | + 1.29 | .8713 | ---- | ---- | ---- | ---- | 2834 | UNCH |
| 5800 | 10.55 | 10.55 | 11.64B/10.14A | 11.64B/10.14A | ---- | 11.44 | + 1.28 | .8608 | ---- | ---- | 25 | ---- | 4696 | UNCH |
| 5850 | 10.15 | 10.15 | 11.21B/9.74A | 11.21B/9.74A | ---- | 11.02 | + 1.27 | .8502 | ---- | ---- | 2 | ---- | 952 - | 1 |
| 5900 | ---- | ---- | 10.81B/9.35A | 10.81B/9.35A | ---- | 10.61 | + 1.25 | .8394 | ---- | ---- | ---- | ---- | 4402 | UNCH |
| 5950 | ---- | ---- | 10.39B/8.96A | 10.39B/8.96A | ---- | 10.20 | + 1.23 | .8272 | ---- | ---- | ---- | ---- | 1947 | UNCH |
| 6000 | 9.28 | 9.28 | 9.99B/9.28 | 9.99B/9.28 | ---- | 9.81 | + 1.23 | .8148 | ---- | ---- | 9 | ---- | 31451 - | 3 |
| 6050 | ---- | ---- | 9.61B/---- | 9.61B/---- | ---- | 9.42 | + 1.22 | .8023 | ---- | ---- | ---- | ---- | 2228 | UNCH |
| 6100 | 8.21 | 8.21 | 9.22B/8.06A | 9.22B/8.06A | ---- | 9.03 | + 1.20 | .7884 | ---- | ---- | 27 | ---- | 2907 - | 27 |
| 6150 | ---- | ---- | 8.84B/---- | 8.84B/---- | ---- | 8.65 | + 1.18 | .7745 | ---- | ---- | ---- | ---- | 1766 | UNCH |
| 6200 | ---- | ---- | 8.47B/---- | 8.47B/---- | ---- | 8.29 | + 1.17 | .7604 | ---- | ---- | ---- | ---- | 2925 | UNCH |
| 6250 | 7.08 | 7.08 | 8.10B/7.08 | 8.10B/7.08 | ---- | 7.92 | + 1.15 | .7452 | ---- | ---- | 2 | ---- | 1296 - | 2 |
| 6300 | ---- | ---- | 7.74B/---- | 7.74B/---- | ---- | 7.57 | + 1.14 | .7299 | ---- | ---- | ---- | ---- | 2799 | UNCH |
| 6350 | ---- | ---- | 7.39B/---- | 7.39B/---- | ---- | 7.22 | + 1.12 | .7136 | ---- | ---- | ---- | ---- | 4006 | UNCH |
| 6400 | 6.02 | 6.02 | 7.05B/5.97 | 7.05B/5.97 | ---- | 6.89 | + 1.11 | .6975 | ---- | ---- | 3 | ---- | 6639 - | 1 |
| 6450 | ---- | ---- | 6.71B/---- | 6.71B/---- | ---- | 6.56 | + 1.09 | .6806 | ---- | ---- | ---- | ---- | 1415 | UNCH |
| 6500 | 5.26 | 5.26 | 6.38B/5.19A | 6.38B/5.19A | ---- | 6.24 | + 1.07 | .6633 | ---- | ---- | 57 | ---- | 27676 - | 25 |
| 6550 | 5.16 | 5.16 | 6.07B/5.10A | 6.07B/5.10A | ---- | 5.93 | + 1.06 | .6457 | ---- | ---- | 30 | ---- | 3853 | UNCH |
| 6600 | 4.74 | 4.74 | 5.76B/4.63A | 5.76B/4.63A | ---- | 5.62 | + 1.03 | .6279 | ---- | ---- | 11 | ---- | 4911 | UNCH |
| 6650 | ---- | ---- | 5.46B/---- | 5.46B/---- | ---- | 5.33 | + 1.01 | .6097 | ---- | ---- | ---- | ---- | 651 | UNCH |
| 6700 | 4.15 | 4.15 | 5.17B/4.15 | 5.17B/4.15 | ---- | 5.04 | + 0.99 | .5912 | ---- | ---- | 33 | ---- | 7482 - | 23 |
| 6750 | 4.40 | 4.40 | 4.89B/4.40 | 4.89B/4.40 | ---- | 4.76 | + 0.96 | .5725 | ---- | ---- | 340 | ---- | 1737 - | 9 |
| 6800 | 3.65 | 3.65 | 4.61B/3.65 | 4.61B/3.65 | ---- | 4.49 | + 0.93 | .5536 | ---- | ---- | 71 | ---- | 2895 - | 35 |
| 6850 | ---- | ---- | 4.36B/---- | 4.36B/---- | ---- | 4.23 | + 0.90 | .5345 | ---- | ---- | 15 | ---- | 3053 + | 15 |
| 6900 | 3.20 | 3.20 | 4.10B/3.16A | 4.10B/3.16A | ---- | 3.99 | + 0.87 | .5154 | ---- | ---- | 236 | ---- | 3386 + | 7 |
| 6950 | 3.13 | 3.13 | 3.86B/3.09A | 3.86B/3.09A | ---- | 3.75 | + 0.84 | .4962 | ---- | ---- | 1 | ---- | 2344 | UNCH |
| 7000 | 2.67 | 2.67 | 3.65/2.67 | 3.65/2.67 | ---- | 3.53 | + 0.82 | .4771 | ---- | ---- | 1050 | 325 | 25306 - | 610 |
| 7050 | 2.58 | 2.58 | 3.41B/2.58 | 3.41B/2.58 | ---- | 3.32 | + 0.80 | .4583 | ---- | ---- | 10 | ---- | 684 | UNCH |
| 7100 | 3.19 | 3.19 | 3.20B/2.91A | 3.20B/2.91A | ---- | 3.11 | + 0.77 | .4393 | ---- | ---- | 15 | ---- | 1404 - | 5 |
| 7150 | 2.72 | 2.72 | 3.00B/2.70 | 3.00B/2.70 | ---- | 2.92 | + 0.75 | .4208 | ---- | ---- | 7 | ---- | 257 | UNCH |
| 7200 | 2.46 | 2.46 | 2.81B/2.46 | 2.81B/2.46 | ---- | 2.73 | + 0.71 | .4023 | ---- | ---- | 3024 | 3000 | 5404 + | 2190 |
| 7250 | ---- | ---- | 2.63B/---- | 2.63B/---- | ---- | 2.56 | + 0.69 | .3845 | ---- | ---- | ---- | ---- | 596 | UNCH |
| 7300 | 2.30 | 2.30 | 2.46B/2.20A | 2.46B/2.20A | ---- | 2.39 | + 0.66 | .3666 | ---- | ---- | 209 | ---- | 4503 - | 128 |
| 7350 | 2.10 | 2.10 | 2.30B/2.07A | 2.30B/2.07A | ---- | 2.23 | + 0.64 | .3491 | ---- | ---- | 1 | ---- | 621 | UNCH |
| 7400 | 1.70 | 1.70 | 2.14/1.70 | 2.14/1.70 | ---- | 2.08 | + 0.61 | .3321 | ---- | ---- | 414 | ---- | 4187 + | 165 |
| 7450 | ---- | ---- | 2.00B/---- | 2.00B/---- | ---- | 1.94 | + 0.58 | .3156 | ---- | ---- | ---- | ---- | 256 | UNCH |
| 7500 | 1.33 | 1.33 | 1.90/1.29A | 1.90/1.29A | ---- | 1.81 | + 0.56 | .2998 | ---- | ---- | 1548 | ---- | 28658 + | 135 |
| 7550 | 1.72 | 1.72 | 1.74B/1.56A | 1.74B/1.56A | ---- | 1.68 | + 0.53 | .2838 | ---- | ---- | 29 | ---- | 300 + | 26 |
| 7600 | 1.39 | 1.39 | 1.62B/1.39 | 1.62B/1.39 | ---- | 1.56 | + 0.50 | .2686 | ---- | ---- | 4 | ---- | 943 + | 1 |
| 7650 | ---- | ---- | 1.50B/---- | 1.50B/---- | ---- | 1.46 | + 0.49 | .2548 | ---- | ---- | 100 | ---- | 449 - | 99 |
| 7700 | 1.37 | 1.37 | 1.41/1.25A | 1.41/1.25A | ---- | 1.35 | + 0.46 | .2402 | ---- | ---- | 792 | ---- | 4936 - | 521 |
| 7750 | 1.31 | 1.31 | 1.32/1.16A | 1.32/1.16A | ---- | 1.26 | + 0.44 | .2273 | ---- | ---- | 396 | ---- | 970 - | 2 |
| 7800 | 1.19 | 1.19 | 1.23/1.08A | 1.23/1.08A | ---- | 1.17 | + 0.42 | .2145 | ---- | ---- | 358 | ---- | 2101 + | 148 |
| 7850 | 0.92 | 0.92 | 1.12B/0.91A | 1.12B/0.91A | ---- | 1.08 | + 0.39 | .2016 | ---- | ---- | 124 | ---- | 189 + | 110 |
| 7900 | 0.92 | 0.92 | 1.04/0.92 | 1.04/0.92 | ---- | 1.01 | + 0.38 | .1907 | ---- | ---- | 5 | ---- | 1467 - | 1 |
| 7950 | 0.79 | 0.79 | 0.97B/0.79 | 0.97B/0.79 | ---- | 0.93 | + 0.34 | .1787 | ---- | ---- | 1 | ---- | 313 | UNCH |
| 8000 | 0.57 | 0.57 | 0.90/0.56 | 0.90/0.56 | ---- | 0.87 | + 0.32 | .1689 | ---- | ---- | 1684 | ---- | 40364 + | 486 |
| 8050 | 0.64 | 0.64 | 0.84B/0.64 | 0.84B/0.64 | ---- | 0.81 | + 0.30 | .1591 | ---- | ---- | 45 | ---- | 190 - | 18 |
| 8100 | 0.48 | 0.48 | 0.80/0.48 | 0.80/0.48 | ---- | 0.75 | + 0.28 | .1494 | ---- | ---- | 533 | ---- | 819 - | 8 |
| 8150 | 0.56 | 0.56 | 0.73B/0.56 | 0.73B/0.56 | ---- | 0.70 | + 0.26 | .1409 | ---- | ---- | 103 | ---- | 266 + | 21 |
| 8200 | 0.41 | 0.41 | 0.69/0.41 | 0.69/0.41 | ---- | 0.65 | + 0.25 | .1323 | ---- | ---- | 2973 | 3000 | 5378 + | 2475 |
| 8250 | 0.61 | 0.61 | 0.64/0.57 | 0.64/0.57 | ---- | 0.61 | + 0.24 | .1251 | ---- | ---- | 43 | ---- | 308 + | 4 |
| 8300 | 0.47 | 0.47 | 0.59B/0.47 | 0.59B/0.47 | ---- | 0.57 | + 0.22 | .1179 | ---- | ---- | 10 | ---- | 647 + | 3 |
| 8350 | 0.46 | 0.46 | 0.58/0.46 | 0.58/0.46 | ---- | 0.53 | + 0.21 | .1108 | ---- | ---- | 4 | ---- | 167 | UNCH |
| 8400 | 0.43 | 0.43 | 0.54/0.43 | 0.54/0.43 | ---- | 0.50 | + 0.20 | .1050 | ---- | ---- | 543 | ---- | 1767 + | 472 |
| 8450 | 0.50 | 0.50 | 0.50/0.45A | 0.50/0.45A | ---- | 0.47 | + 0.19 | .0993 | ---- | ---- | 16 | ---- | 73 + | 14 |
| 8500 | 0.38 | 0.38 | 0.46/0.38 | 0.46/0.38 | ---- | 0.44 | + 0.18 | .0936 | ---- | ---- | 476 | ---- | 10015 + | 269 |
| 8550 | 0.43 | 0.43 | 0.43/0.40A | 0.43/0.40A | ---- | 0.42 | + 0.18 | .0894 | ---- | ---- | 2 | ---- | 31 - | 1 |
| 8600 | 0.40 | 0.40 | 0.40/0.37A | 0.40/0.37A | ---- | 0.39 | + 0.16 | .0839 | ---- | ---- | 2 | ---- | 1495 + | 1 |
| 8650 | ---- | ---- | 0.38B/---- | 0.38B/---- | ---- | 0.37 | + 0.16 | .0798 | ---- | ---- | 1 | ---- | 210 + | 1 |
| 8700 | 0.36 | 0.36 | 0.38/0.33 | 0.38/0.33 | ---- | 0.35 | + 0.15 | .0757 | ---- | ---- | 84 | ---- | 515 + | 48 |
| 8750 | ---- | ---- | 0.33B/---- | 0.33B/---- | ---- | 0.33 | + 0.14 | .0717 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 8800 | 0.33 | 0.33 | 0.33/0.29 | 0.33/0.29 | ---- | 0.31 | + 0.13 | .0677 | ---- | ---- | 40 | ---- | 2049 | UNCH |
| 8850 | 0.28 | 0.28 | 0.30B/0.28 | 0.30B/0.28 | ---- | 0.29 | + 0.12 | .0638 | ---- | ---- | 2 | ---- | 2002 + | 2 |
| 8900 | 0.27 | 0.27 | 0.28/0.27 | 0.28/0.27 | ---- | 0.28 | + 0.12 | .0614 | ---- | ---- | 4 | ---- | 446 - | 2 |
| 8950 | ---- | ---- | 0.27B/---- | 0.27B/---- | ---- | 0.26 | + 0.11 | .0575 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 9000 | 0.14 | 0.14 | 0.26/0.14 | 0.26/0.14 | ---- | 0.25 | + 0.11 | .0552 | ---- | ---- | 1601 | ---- | 17056 + | 1000 |
| 9050 | 0.21 | 0.21 | 0.24B/0.21 | 0.24B/0.21 | ---- | 0.24 | + 0.11 | .0530 | ---- | ---- | 142 | ---- | 282 | UNCH |

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# ENERGY OPTIONS

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**FINAL**

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THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | | | | |
| 9100 | 0.22 | 0.22 | 0.23/0.22 | 0.23/0.22 | ---- | 0.23 | + | 0.10 | .0507 | ---- | ---- | 4 | ---- | 885 | UNCH |
| 9150 | ---- | ---- | 0.22B/---- | 0.22B/---- | ---- | 0.21 | + | 0.09 | .0469 | ---- | ---- | ---- | ---- | 88 | UNCH |
| 9200 | 0.20 | 0.20 | 0.20/0.20 | 0.20/0.20 | ---- | 0.20 | + | 0.09 | .0448 | ---- | ---- | 2 | ---- | 126 | UNCH |
| 9250 | ---- | ---- | 0.19B/---- | 0.19B/---- | ---- | 0.19 | + | 0.08 | .0426 | ---- | ---- | ---- | ---- | 460 | UNCH |
| 9300 | 0.18 | 0.18 | 0.18/0.18 | 0.18/0.18 | ---- | 0.19 | + | 0.09 | .0421 | ---- | ---- | 6 | ---- | 97 | UNCH |
| 9350 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.18 | + | 0.08 | .0400 | ---- | ---- | 1 | ---- | 48 | UNCH |
| 9400 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.17 | + | 0.08 | .0379 | ---- | ---- | ---- | ---- | 107 | UNCH |
| 9450 | ---- | ---- | 0.16B/---- | 0.16B/---- | ---- | 0.16 | + | 0.07 | .0359 | ---- | ---- | ---- | ---- | 240 | UNCH |
| 9500 | 0.15 | 0.15 | 0.15/0.15 | 0.15/0.15 | ---- | 0.15 | + | 0.06 | .0338 | ---- | ---- | 465 | ---- | 5079 + | 51 |
| 9550 | 0.15 | 0.15 | 0.15/0.15 | 0.15/0.15 | ---- | 0.15 | + | 0.07 | .0335 | ---- | ---- | 2 | ---- | 46 - | 1 |
| 9600 | ---- | ---- | 0.13B/---- | 0.13B/---- | ---- | 0.14 | + | 0.06 | .0314 | ---- | ---- | ---- | ---- | 248 | UNCH |
| 9650 | ---- | ---- | 0.13B/---- | 0.13B/---- | ---- | 0.14 | + | 0.07 | .0311 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 9700 | ---- | ---- | 0.12B/---- | 0.12B/---- | ---- | 0.13 | + | 0.06 | .0291 | ---- | ---- | 69 | ---- | 131 + | 67 |
| 9800 | 0.12 | 0.12 | 0.12/0.12 | 0.12/0.12 | ---- | 0.12 | + | 0.06 | .0269 | ---- | ---- | 4 | ---- | 166 - | 4 |
| 9850 | ---- | ---- | 0.11B/---- | 0.11B/---- | ---- | 0.11 | + | 0.05 | .0249 | ---- | ---- | ---- | ---- | 166 | UNCH |
| 9900 | ---- | ---- | 0.10B/---- | 0.10B/---- | ---- | 0.11 | + | 0.05 | .0246 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 9950 | ---- | ---- | 0.09B/---- | 0.09B/---- | ---- | 0.10 | + | 0.05 | .0227 | ---- | ---- | ---- | ---- | 714 | UNCH |
| 10000 | 0.08 | 0.08 | 0.10/0.08 | 0.10/0.08 | ---- | 0.10 | + | 0.05 | .0225 | ---- | ---- | 2409 | ---- | 14369 + | 999 |
| 10050 | ---- | ---- | 0.09B/---- | 0.09B/---- | ---- | 0.09 | + | 0.04 | .0205 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 10100 | ---- | ---- | 0.09B/---- | 0.09B/---- | ---- | 0.09 | + | 0.04 | .0203 | ---- | ---- | ---- | ---- | 82 | UNCH |
| 10150 | ---- | ---- | 0.08B/---- | 0.08B/---- | ---- | 0.09 | + | 0.05 | .0202 | ---- | ---- | ---- | ---- | 82 | UNCH |
| 10200 | ---- | ---- | 0.07B/---- | 0.07B/---- | ---- | 0.08 | + | 0.04 | .0182 | ---- | ---- | ---- | ---- | 121 | UNCH |
| 10250 | ---- | ---- | 0.07B/---- | 0.07B/---- | ---- | 0.08 | + | 0.04 | .0181 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 10350 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.07 | + | 0.03 | .0160 | ---- | ---- | ---- | ---- | 78 | UNCH |
| 10400 | 0.06 | 0.06 | 0.06/0.06 | 0.06/0.06 | ---- | 0.07 | + | 0.04 | .0159 | ---- | ---- | 1 | ---- | 11 | UNCH |
| 10450 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.06 | + | 0.03 | .0139 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 10500 | ---- | ---- | 0.06B/---- | 0.06B/---- | ---- | 0.06 | + | 0.03 | .0138 | ---- | ---- | 1 | ---- | 484 | UNCH |
| 10550 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.06 | + | 0.03 | .0137 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 10600 | ---- | ---- | #0.05B/---- | #0.05B/---- | ---- | 0.06 | + | 0.03 | .0136 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10650 | 0.04 | 0.04 | #0.05B/*0.04 | #0.05B/*0.04 | ---- | 0.05 | | NEW | .0116 | ---- | ---- | 75 | ---- | 75 + | 75 |
| 10700 | ---- | ---- | #0.04B/---- | #0.04B/---- | ---- | 0.05 | + | 0.03 | .0116 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 10750 | ---- | ---- | 0.04B/---- | 0.04B/---- | ---- | 0.05 | + | 0.03 | .0115 | ---- | ---- | ---- | ---- | 78 | UNCH |
| 11000 | 0.05 | 0.05 | 0.05/0.04A | 0.05/0.04A | ---- | 0.04 | + | 0.02 | .0092 | ---- | ---- | 50 | ---- | 761 + | 50 |
| 11100 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.04 | + | 0.02 | .0091 | ---- | ---- | ---- | ---- | 505 | UNCH |
| 11150 | ---- | ---- | 0.03B/---- | 0.03B/---- | ---- | 0.03 | + | 0.01 | .0071 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 11250 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.03 | + | 0.02 | .0070 | ---- | ---- | ---- | ---- | 149 | UNCH |
| 11300 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.03 | + | 0.02 | .0070 | ---- | ---- | ---- | ---- | 115 | UNCH |
| 11400 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.03 | + | 0.02 | .0069 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11500 | ---- | ---- | 0.02B/---- | 0.02B/---- | ---- | 0.02 | + | 0.01 | .0048 | ---- | ---- | ---- | ---- | 371 | UNCH |
| 11700 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0047 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 11800 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0047 | ---- | ---- | ---- | ---- | 108 | UNCH |
| 11850 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0046 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.02 | + | 0.01 | .0046 | ---- | ---- | 320 | ---- | 4217 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0024 | ---- | ---- | ---- | ---- | 11510 | UNCH |
| 12600 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0021 | ---- | ---- | ---- | ---- | 1166 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0013 | ---- | ---- | ---- | ---- | 255 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0007 | ---- | ---- | ---- | ---- | 71 | UNCH |
| 13750 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0005 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0003 | ---- | ---- | ---- | ---- | 502 | UNCH |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0002 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0001 | ---- | ---- | 320 | ---- | 1384 | UNCH |
| 15500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | .0000 | ---- | ---- | ---- | ---- | 294 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 20 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.01 | | UNCH | ---- | ---- | ---- | ---- | ---- | 147 | UNCH |
| TOTAL | | | | | | | | | | | | 20987 | 6325 | 455386 + | 7309 |
| JAN19 | | | | | | | | | | | | | | | |
| 5000 | ---- | ---- | 18.54B/16.96A | 18.54B/16.96A | ---- | 18.28 | + | 1.25 | .9469 | ---- | ---- | ---- | ---- | 99 | UNCH |
| 5350 | ---- | ---- | 15.33B/13.82A | 15.33B/13.82A | ---- | 15.08 | + | 1.20 | .9075 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5400 | ---- | ---- | 14.88B/13.39A | 14.88B/13.39A | ---- | 14.64 | + | 1.20 | .9000 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5500 | ---- | ---- | 14.01B/12.54A | 14.01B/12.54A | ---- | 13.77 | + | 1.18 | .8840 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5550 | ---- | ---- | 13.58B/12.12A | 13.58B/12.12A | ---- | 13.34 | + | 1.17 | .8755 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 5650 | ---- | ---- | 12.74B/11.31A | 12.74B/11.31A | ---- | 12.50 | + | 1.16 | .8576 | ---- | ---- | ---- | ---- | 590 | UNCH |
| 5700 | ---- | ---- | 12.31B/10.92A | 12.31B/10.92A | ---- | 12.09 | + | 1.15 | .8475 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5800 | ---- | ---- | 11.51B/10.13A | 11.51B/10.13A | ---- | 11.28 | + | 1.13 | .8270 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5850 | ---- | ---- | 11.10B/9.75A | 11.10B/9.75A | ---- | 10.89 | + | 1.12 | .8160 | ---- | ---- | ---- | ---- | 95 | UNCH |
| 5950 | ---- | ---- | 10.32B/---- | 10.32B/---- | ---- | 10.11 | + | 1.10 | .7926 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 6000 | ---- | ---- | 9.94B/8.64A | 9.94B/8.64A | ---- | 9.73 | + | 1.08 | .7802 | ---- | ---- | ---- | ---- | 925 | UNCH |
| 6050 | ---- | ---- | 9.58B/---- | 9.58B/---- | ---- | 9.36 | + | 1.07 | .7672 | ---- | ---- | ---- | ---- | 308 | UNCH |
| 6100 | ---- | ---- | 9.21B/7.93A | 9.21B/7.93A | ---- | 9.00 | + | 1.06 | .7542 | ---- | ---- | ---- | ---- | 652 | UNCH |
| 6200 | ---- | ---- | 8.49B/---- | 8.49B/---- | ---- | 8.29 | + | 1.04 | .7268 | ---- | ---- | ---- | ---- | 123 | UNCH |
| 6250 | ---- | ---- | 8.14B/---- | 8.14B/---- | ---- | 7.94 | + | 1.02 | .7126 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 6300 | ---- | ---- | 7.79B/---- | 7.79B/---- | ---- | 7.61 | + | 1.01 | .6979 | ---- | ---- | ---- | ---- | 240 | UNCH |
| 6350 | ---- | ---- | 7.46B/---- | 7.46B/---- | ---- | 7.28 | + | 1.00 | .6828 | ---- | ---- | 6 | ---- | 668 + | 6 |
| 6400 | ---- | ---- | 7.13B/---- | 7.13B/---- | ---- | 6.95 | + | 0.98 | .6676 | ---- | ---- | ---- | ---- | 440 | UNCH |
| 6450 | ---- | ---- | #6.81B/---- | #6.81B/---- | ---- | 6.64 | + | 0.97 | .6519 | ---- | ---- | ---- | ---- | 135 | UNCH |
| 6500 | 5.68 | 5.68 | 6.48B/5.59A | 6.48B/5.59A | ---- | 6.33 | + | 0.95 | .6360 | ---- | ---- | 17 | ---- | 1264 - | 9 |
| 6550 | ---- | ---- | 6.18B/---- | 6.18B/---- | ---- | 6.03 | + | 0.93 | .6197 | ---- | ---- | ---- | ---- | 331 | UNCH |
| 6600 | ---- | ---- | 5.88B/---- | 5.88B/---- | ---- | 5.74 | + | 0.92 | .6033 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 6650 | ---- | ---- | #5.60B/---- | #5.60B/---- | ---- | 5.46 | + | 0.90 | .5865 | ---- | ---- | ---- | ---- | 126 | UNCH |
| 6700 | 5.01 | 5.01 | #5.32B/4.91A | #5.32B/4.91A | ---- | 5.18 | + | 0.88 | .5696 | ---- | ---- | 18 | ---- | 30 | UNCH |
| 6750 | ---- | ---- | #5.05B/---- | #5.05B/---- | ---- | 4.92 | + | 0.86 | .5525 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 6800 | 4.75 | 4.75 | 4.79B/4.41A | 4.79B/4.41A | ---- | 4.66 | + | 0.84 | .5354 | ---- | ---- | 1 | ---- | 268 - | 1 |
| 6850 | 4.49 | 4.49 | 4.53B/4.17A | 4.53B/4.17A | ---- | 4.42 | + | 0.83 | .5181 | ---- | ---- | 1 | ---- | 63 | UNCH |
| 6900 | ---- | ---- | #4.29B/---- | #4.29B/---- | ---- | 4.18 | + | 0.80 | .5008 | ---- | ---- | ---- | ---- | 205 | UNCH |
| 6950 | ---- | ---- | #4.06B/---- | #4.06B/---- | ---- | 3.95 | + | 0.78 | .4835 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 7000 | ---- | ---- | 3.83B/---- | 3.83B/---- | ---- | 3.74 | + | 0.77 | .4665 | ---- | ---- | 7 | 200 | 538 + | 200 |
| 7050 | ---- | ---- | #3.62B/---- | #3.62B/---- | ---- | 3.53 | + | 0.75 | .4494 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7100 | ---- | ---- | 3.41B/---- | 3.41B/---- | ---- | 3.32 | + | 0.72 | .4322 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 7150 | 2.97 | 2.97 | 3.21B/2.94A | 3.21B/2.94A | ---- | 3.13 | + | 0.70 | .4155 | ---- | ---- | 2 | ---- | 10 | UNCH |
| 7200 | 3.03 | 3.03 | 3.03/2.77A | 3.03/2.77A | ---- | 2.95 | + | 0.68 | .3990 | ---- | ---- | 21 | ---- | 341 + | 21 |
| 7250 | ---- | ---- | 2.85B/---- | 2.85B/---- | ---- | 2.77 | + | 0.65 | .3824 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7300 | ---- | ---- | 2.68B/---- | 2.68B/---- | ---- | 2.60 | + | 0.62 | .3661 | ---- | ---- | ---- | ---- | 56 | UNCH |
| 7350 | ---- | ---- | #2.51B/---- | #2.51B/---- | ---- | 2.44 | + | 0.59 | .3502 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 7400 | ---- | ---- | 2.36B/---- | 2.36B/---- | ---- | 2.30 | + | 0.58 | .3353 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 7450 | 2.04 | 2.04 | #2.21B/2.00 | #2.21B/2.00 | ---- | 2.16 | + | 0.56 | .3203 | ---- | ---- | 18 | ---- | 23 - | 11 |
| 7500 | 1.85 | 1.85 | 2.08B/1.85 | 2.08B/1.85 | ---- | 2.02 | + | 0.53 | .3053 | ---- | ---- | 26 | ---- | 315 + | 19 |
| 7550 | ---- | ---- | #1.95B/---- | #1.95B/---- | ---- | 1.90 | + | 0.52 | .2915 | ---- | ---- | ---- | ---- | 68 | UNCH |
| 7600 | ---- | ---- | #1.82B/---- | #1.82B/---- | ---- | 1.78 | + | 0.49 | .2776 | ---- | ---- | 3 | ---- | 75 + | 3 |
| 7700 | ---- | ---- | #1.60B/---- | #1.60B/---- | ---- | 1.56 | + | 0.45 | .2512 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7750 | ---- | ---- | #1.49B/---- | #1.49B/---- | ---- | 1.46 | + | 0.43 | .2387 | ---- | ---- | ---- | ---- | 58 | UNCH |
| 7800 | ---- | ---- | 1.40B/---- | 1.40B/---- | ---- | 1.37 | + | 0.41 | .2270 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 7850 | ---- | ---- | #1.31B/---- | #1.31B/---- | ---- | 1.28 | + | 0.39 | .2153 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7900 | ---- | ---- | 1.22B/---- | 1.22B/---- | ---- | 1.20 | + | 0.37 | .2044 | ---- | ---- | ---- | ---- | 76 | UNCH |
| 7950 | 1.17 | 1.17 | 1.17/1.05A | 1.17/1.05A | ---- | 1.12 | + | 0.35 | .1936 | ---- | ---- | 1 | ---- | 107 | UNCH |
| 8000 | 1.00 | 1.00 | 1.07B/0.98A | 1.07B/0.98A | ---- | 1.05 | + | 0.33 | .1836 | ---- | ---- | 43 | ---- | 783 + | 18 |
| 8050 | ---- | ---- | 1.01B/---- | 1.01B/---- | ---- | 0.98 | + | 0.31 | .1737 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 8100 | 0.70 | 0.70 | 0.95/0.70 | 0.95/0.70 | ---- | 0.92 | + | 0.29 | .1648 | ---- | ---- | 2 | ---- | 275 + | 2 |
| 8150 | ---- | ---- | 0.89B/---- | 0.89B/---- | ---- | 0.87 | + | 0.28 | .1570 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 8200 | 0.62 | 0.62 | 0.84/0.62 | 0.84/0.62 | ---- | 0.81 | + | 0.26 | .1481 | ---- | ---- | 8 | ---- | 35 - | 5 |
| 8300 | 0.56 | 0.56 | 0.75/0.56 | 0.75/0.56 | ---- | 0.72 | + | 0.24 | .1337 | ---- | ---- | 17 | ---- | 35 | UNCH |
| 8350 | 0.50 | 0.50 | #0.69B/*0.50 | #0.69B/*0.50 | ---- | 0.68 | | NEW | .1272 | ---- | ---- | 30 | ---- | 30 + | 30 |
| 8400 | ---- | ---- | 0.65B/---- | 0.65B/---- | ---- | 0.64 | + | 0.22 | .1207 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 8500 | 0.55 | 0.55 | 0.58B/0.53A | 0.58B/0.53A | ---- | 0.56 | + | 0.19 | .1077 | ---- | ---- | 3 | ---- | 2184 - | 1 |
| 8550 | ---- | ---- | #0.55B/---- | #0.55B/---- | ---- | 0.53 | + | 0.18 | .1025 | ---- | ---- | ---- | ---- | 107 | UNCH |
| 8600 | 0.52 | 0.52 | 0.52/0.48A | 0.52/0.48A | ---- | 0.50 | + | 0.17 | .0973 | ---- | ---- | 5 | ---- | 137 - | 2 |
| 8650 | ---- | ---- | #0.49B/---- | #0.49B/---- | ---- | 0.47 | + | 0.16 | .0922 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 8700 | ---- | ---- | 0.46B/---- | 0.46B/---- | ---- | 0.45 | + | 0.16 | .0884 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 8750 | ---- | ---- | 0.43B/---- | 0.43B/---- | ---- | 0.42 | + | 0.15 | .0833 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 8800 | 0.40 | 0.40 | 0.41B/0.38A | 0.41B/0.38A | ---- | 0.40 | + | 0.14 | .0795 | ---- | ---- | 2 | ---- | 106 + | 2 |
| 8900 | 0.37 | 0.37 | 0.37/0.35A | 0.37/0.35A | ---- | 0.36 | + | 0.13 | .0722 | ---- | ---- | 16 | ---- | 22 + | 16 |
| 8950 | ---- | ---- | 0.35B/---- | 0.35B/---- | ---- | 0.34 | + | 0.12 | .0685 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 9000 | 0.33 | 0.33 | 0.33/0.32 | 0.33/0.32 | ---- | 0.32 | + | 0.11 | .0649 | ---- | ---- | 20 | ---- | 1158 + | 7 |
| 9050 | ---- | ---- | #0.31B/---- | #0.31B/---- | ---- | 0.31 | + | 0.11 | .0628 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 9100 | ---- | ---- | 0.30B/---- | 0.30B/---- | ---- | 0.29 | + | 0.10 | .0592 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 9150 | ---- | ---- | #0.28B/---- | #0.28B/---- | ---- | 0.28 | + | 0.10 | .0571 | ---- | ---- | ---- | ---- | 2 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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## FINAL



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | |
| 9200 | ---- | ---- | 0.27B/---- | 0.27B/---- | ---- | 0.26 + 0.09 | .0535 | ---- | ---- | ---- | ---- | 46 UNCH |
| 9300 | 0.26 | 0.26 | 0.26/0.24A | 0.26/0.24A | ---- | 0.24 + 0.08 | .0494 | ---- | ---- | 20 | ---- | 23 + 19 |
| 9350 | 0.24 | 0.24 | #0.24/*0.23A | #0.24/*0.23A | ---- | 0.23 NEW | .0474 | ---- | ---- | 20 | ---- | 20 + 20 |
| 9400 | 0.20 | 0.20 | #0.22B/0.20 | #0.22B/0.20 | ---- | 0.22 + 0.08 | .0454 | ---- | ---- | 1 | ---- | 190 + 1 |
| 9500 | ---- | ---- | 0.19B/---- | 0.19B/---- | ---- | 0.20 + 0.07 | .0415 | ---- | ---- | ---- | ---- | 39 UNCH |
| 9650 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.17 + 0.05 | .0357 | ---- | ---- | ---- | ---- | 10 UNCH |
| 10200 | ---- | ---- | #0.11B/---- | #0.11B/---- | ---- | 0.11 + 0.04 | .0232 | ---- | ---- | ---- | ---- | 2 UNCH |
| 10250 | 0.10 | 0.10 | #0.10/*0.10 | #0.10/*0.10 | ---- | 0.11 NEW | .0230 | ---- | ---- | 40 | ---- | 40 + 40 |
| 10300 | ---- | ---- | 0.10B/---- | 0.10B/---- | ---- | 0.10 + 0.03 | .0212 | ---- | ---- | ---- | ---- | 6 UNCH |
| 10400 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.09 + 0.03 | .0192 | ---- | ---- | 3 | ---- | 5 + 3 |
| 10500 | ---- | ---- | 0.08B/---- | 0.08B/---- | ---- | 0.09 + 0.03 | .0189 | ---- | ---- | ---- | ---- | 24 UNCH |
| 10600 | ---- | ---- | 0.08B/---- | 0.08B/---- | ---- | 0.08 + 0.03 | .0170 | ---- | ---- | ---- | ---- | 2 UNCH |
| 10900 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.07 + 0.03 | .0147 | ---- | ---- | ---- | ---- | 8 UNCH |
| 11000 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.06 + 0.02 | .0128 | ---- | ---- | ---- | ---- | 22 UNCH |
| 11100 | ---- | ---- | 0.05B/---- | 0.05B/---- | ---- | 0.06 + 0.03 | .0126 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | 351 | 200 | 14872 + 378 |
| FEB19 | | | | | | | | | | | | |
| 5700 | ---- | ---- | 12.16B/10.87A | 12.16B/10.87A | ---- | 11.92 + 1.02 | .8190 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5950 | ---- | ---- | #10.24B/9.03A | #10.24B/9.03A | ---- | 10.02 + 0.97 | .7634 | ---- | ---- | ---- | ---- | 22 UNCH |
| 6000 | ---- | ---- | 9.88B/8.68A | 9.88B/8.68A | ---- | 9.66 + 0.97 | .7515 | ---- | ---- | ---- | ---- | 42 UNCH |
| 6100 | ---- | ---- | 9.17B/7.99A | 9.17B/7.99A | ---- | 8.95 + 0.95 | .7265 | ---- | ---- | ---- | ---- | 305 UNCH |
| 6200 | ---- | ---- | #8.46B/---- | #8.46B/---- | ---- | 8.26 + 0.92 | .7000 | ---- | ---- | ---- | ---- | 5 UNCH |
| 6250 | ---- | ---- | #8.14B/7.01A | #8.14B/7.01A | ---- | 7.93 + 0.91 | .6873 | ---- | ---- | ---- | ---- | 5 UNCH |
| 6300 | ---- | ---- | #7.79B/---- | #7.79B/---- | ---- | 7.60 + 0.90 | .6725 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6350 | ---- | ---- | 7.47B/---- | 7.47B/---- | ---- | 7.28 + 0.88 | .6582 | ---- | ---- | ---- | ---- | 247 UNCH |
| 6400 | ---- | ---- | 7.15B/---- | 7.15B/---- | ---- | 6.97 + 0.87 | .6438 | ---- | ---- | ---- | ---- | 124 UNCH |
| 6450 | ---- | ---- | #6.85B/---- | #6.85B/---- | ---- | 6.66 + 0.86 | .6290 | ---- | ---- | ---- | ---- | 85 UNCH |
| 6500 | ---- | ---- | 6.54B/---- | 6.54B/---- | ---- | 6.36 + 0.84 | .6139 | ---- | ---- | ---- | ---- | 69 UNCH |
| 6600 | ---- | ---- | #5.97B/---- | #5.97B/---- | ---- | 5.79 + 0.81 | .5832 | ---- | ---- | ---- | ---- | 33 UNCH |
| 6650 | ---- | ---- | #5.68B/---- | #5.68B/---- | ---- | 5.51 + 0.79 | .5675 | ---- | ---- | ---- | ---- | 84 UNCH |
| 6700 | ---- | ---- | #5.41B/---- | #5.41B/---- | ---- | 5.25 + 0.78 | .5517 | ---- | ---- | ---- | ---- | 60 UNCH |
| 6750 | ---- | ---- | 5.15B/---- | 5.15B/---- | ---- | 4.99 + 0.77 | .5357 | ---- | ---- | ---- | ---- | 238 UNCH |
| 6800 | ---- | ---- | 4.89B/---- | 4.89B/---- | ---- | 4.75 + 0.76 | .5198 | ---- | ---- | ---- | ---- | 385 UNCH |
| 6850 | ---- | ---- | 4.65B/---- | 4.65B/---- | ---- | 4.51 + 0.74 | .5037 | ---- | ---- | ---- | ---- | 126 UNCH |
| 6900 | ---- | ---- | 4.41B/---- | 4.41B/---- | ---- | 4.28 + 0.73 | .4877 | ---- | ---- | ---- | ---- | 170 UNCH |
| 7000 | ---- | ---- | 3.97B/---- | 3.97B/---- | ---- | 3.85 + 0.70 | .4559 | ---- | ---- | 2 | ---- | 259 UNCH |
| 7050 | ---- | ---- | 3.75B/---- | 3.75B/---- | ---- | 3.64 + 0.67 | .4399 | ---- | ---- | ---- | ---- | 59 UNCH |
| 7100 | ---- | ---- | 3.55B/---- | 3.55B/---- | ---- | 3.45 + 0.66 | .4244 | ---- | ---- | ---- | ---- | 135 UNCH |
| 7150 | ---- | ---- | 3.36B/---- | 3.36B/---- | ---- | 3.26 + 0.64 | .4088 | ---- | ---- | ---- | ---- | 30 UNCH |
| 7200 | ---- | ---- | 3.17B/---- | 3.17B/---- | ---- | 3.08 + 0.62 | .3934 | ---- | ---- | ---- | ---- | 116 UNCH |
| 7250 | ---- | ---- | 2.99B/---- | 2.99B/---- | ---- | 2.90 + 0.59 | .3779 | ---- | ---- | ---- | ---- | 53 UNCH |
| 7350 | ---- | ---- | 2.67B/---- | 2.67B/---- | ---- | 2.59 + 0.56 | .3488 | ---- | ---- | ---- | ---- | 25 UNCH |
| 7400 | ---- | ---- | 2.51B/---- | 2.51B/---- | ---- | 2.44 + 0.53 | .3344 | ---- | ---- | 1 | ---- | 200 UNCH |
| 7500 | 2.21 | 2.21 | 2.23B/2.06A | 2.23B/2.06A | ---- | 2.17 + 0.50 | .3070 | ---- | ---- | 2 | ---- | 574 + 1 |
| 7600 | ---- | ---- | 1.98B/---- | 1.98B/---- | ---- | 1.93 + 0.47 | .2812 | ---- | ---- | 1 | ---- | 5 - 1 |
| 7700 | ---- | ---- | #1.76B/---- | #1.76B/---- | ---- | 1.71 + 0.43 | .2566 | ---- | ---- | ---- | ---- | 2 UNCH |
| 7750 | ---- | ---- | #1.65B/---- | #1.65B/---- | ---- | 1.61 + 0.41 | .2449 | ---- | ---- | ---- | ---- | 5 UNCH |
| 7800 | ---- | ---- | 1.55B/---- | 1.55B/---- | ---- | 1.51 + 0.39 | .2333 | ---- | ---- | ---- | ---- | 206 UNCH |
| 7850 | ---- | ---- | #1.46B/---- | #1.46B/---- | ---- | 1.42 + 0.37 | .2224 | ---- | ---- | ---- | ---- | 5 UNCH |
| 7900 | ---- | ---- | #1.38B/---- | #1.38B/---- | ---- | 1.34 + 0.36 | .2122 | ---- | ---- | ---- | ---- | 15 UNCH |
| 7950 | ---- | ---- | #1.29B/---- | #1.29B/---- | ---- | 1.26 + 0.34 | .2021 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8000 | ---- | ---- | 1.22B/---- | 1.22B/---- | ---- | 1.19 + 0.33 | .1929 | ---- | ---- | ---- | ---- | 482 UNCH |
| 8100 | ---- | ---- | 1.08B/---- | 1.08B/---- | ---- | 1.05 + 0.29 | .1744 | ---- | ---- | ---- | ---- | 3 UNCH |
| 8200 | 0.98 | 0.98 | #0.98/0.88A | #0.98/0.88A | ---- | 0.94 + 0.27 | .1588 | ---- | ---- | 4 | ---- | 4 UNCH |
| 8300 | 0.82 | 0.82 | 0.85B/0.79A | 0.85B/0.79A | ---- | 0.83 + 0.24 | .1433 | ---- | ---- | 6 | ---- | 8 + 5 |
| 8350 | 0.59 | 0.59 | 0.81B/0.59 | 0.81B/0.59 | ---- | 0.79 + 0.23 | .1371 | ---- | ---- | 2 | ---- | 1 - 1 |
| 8400 | ---- | ---- | 0.76B/---- | 0.76B/---- | ---- | 0.74 + 0.22 | .1299 | ---- | ---- | ---- | ---- | 213 UNCH |
| 8450 | ---- | ---- | 0.72B/---- | 0.72B/---- | ---- | 0.70 + 0.21 | .1238 | ---- | ---- | ---- | ---- | 7 UNCH |
| 8500 | 0.52 | 0.52 | 0.70/0.51A | 0.70/0.51A | ---- | 0.66 + 0.19 | .1178 | ---- | ---- | 4 | ---- | 38 UNCH |
| 8550 | ---- | ---- | #0.64B/---- | #0.64B/---- | ---- | 0.63 + 0.19 | .1128 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8600 | 0.58 | 0.58 | 0.61B/0.57A | 0.61B/0.57A | ---- | 0.60 + 0.19 | .1079 | ---- | ---- | 1 | ---- | 6 + 1 |
| 8650 | ---- | ---- | 0.58B/---- | 0.58B/---- | ---- | 0.56 + 0.17 | .1019 | ---- | ---- | ---- | ---- | 5 UNCH |
| 8700 | 0.52 | 0.52 | 0.55B/0.52 | 0.55B/0.52 | ---- | 0.54 + 0.17 | .0983 | ---- | ---- | 1 | ---- | 8 UNCH |
| 8750 | ---- | ---- | 0.52B/---- | 0.52B/---- | ---- | 0.51 + 0.16 | .0935 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8800 | 0.43 | 0.43 | 0.50/0.43 | 0.50/0.43 | ---- | 0.49 + 0.16 | .0900 | ---- | ---- | 127 | ---- | 144 + 115 |
| 8900 | 0.41 | 0.41 | 0.45B/0.41 | 0.45B/0.41 | ---- | 0.44 + 0.14 | .0817 | ---- | ---- | 100 | ---- | 102 + 100 |
| 9000 | 0.35 | 0.35 | 0.41/0.35 | 0.41/0.35 | ---- | 0.40 + 0.13 | .0749 | ---- | ---- | 6 | ---- | 1171 UNCH |
| 9050 | 0.34 | 0.34 | 0.38B/0.34 | 0.38B/0.34 | ---- | 0.38 + 0.12 | .0715 | ---- | ---- | 5 | ---- | 5 UNCH |
| 9100 | 0.36 | 0.36 | 0.36/0.36 | 0.36/0.36 | ---- | 0.36 + 0.11 | .0681 | ---- | ---- | 105 | ---- | 110 + 105 |
| 9150 | ---- | ---- | 0.35B/---- | 0.35B/---- | ---- | 0.35 + 0.12 | .0660 | ---- | ---- | ---- | ---- | 3 UNCH |
| 9200 | ---- | ---- | 0.33B/---- | 0.33B/---- | ---- | 0.33 + 0.11 | .0627 | ---- | ---- | ---- | ---- | 8 UNCH |
| 9250 | ---- | ---- | 0.32B/---- | 0.32B/---- | ---- | 0.32 + 0.11 | .0607 | ---- | ---- | ---- | ---- | 4 UNCH |
| 9300 | ---- | ---- | 0.30B/---- | 0.30B/---- | ---- | 0.31 + 0.11 | .0588 | ---- | ---- | ---- | ---- | 45 UNCH |
| 9350 | 0.29 | 0.29 | #0.29/*0.29 | #0.29/*0.29 | ---- | 0.29 NEW | .0555 | ---- | ---- | 1 | ---- | 1 + 1 |
| 9400 | ---- | ---- | 0.28B/---- | 0.28B/---- | ---- | 0.28 + 0.09 | .0536 | ---- | ---- | 18 | ---- | 43 + 18 |
| 9500 | 0.24 | 0.24 | 0.25/0.24 | 0.25/0.24 | ---- | 0.26 + 0.09 | .0498 | ---- | ---- | 2 | ---- | 69 UNCH |
| 9550 | ---- | ---- | 0.24B/---- | 0.24B/---- | ---- | 0.25 + 0.09 | .0479 | ---- | ---- | ---- | ---- | 1 UNCH |
| 9600 | ---- | ---- | 0.23B/---- | 0.23B/---- | ---- | 0.24 + 0.08 | .0461 | ---- | ---- | ---- | ---- | 14 UNCH |
| 9650 | ---- | ---- | 0.22B/---- | 0.22B/---- | ---- | 0.23 + 0.08 | .0443 | ---- | ---- | ---- | ---- | 1 UNCH |
| 9700 | 0.20 | 0.20 | 0.21B/0.20 | 0.21B/0.20 | ---- | 0.22 + 0.07 | .0425 | ---- | ---- | 20 | ---- | 30 + 20 |
| 9800 | 0.18 | 0.18 | 0.18/0.18 | 0.18/0.18 | ---- | 0.20 + 0.06 | .0389 | ---- | ---- | 1 | ---- | 13 + 1 |
| 9900 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.18 + 0.05 | .0353 | ---- | ---- | ---- | ---- | 1 UNCH |
| 10000 | ---- | ---- | 0.16B/---- | 0.16B/---- | ---- | 0.17 + 0.05 | .0333 | ---- | ---- | ---- | ---- | 15 UNCH |
| 10500 | ---- | ---- | 0.10B/---- | 0.10B/---- | ---- | 0.11 + 0.03 | .0221 | ---- | ---- | ---- | ---- | 23 UNCH |
| TOTAL | | | | | | | | | | 409 | | 6420 + 365 |
| MAR19 | | | | | | | | | | | | |
| 5150 | ---- | ---- | ---- | ---- | ---- | 16.23 + 0.99 | .9006 | ---- | ---- | ---- | ---- | 350 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 14.14 + 0.96 | .8528 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 13.74 + 0.96 | .8437 | ---- | ---- | ---- | ---- | 500 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 13.34 + 0.95 | .8350 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 12.56 + 0.95 | .8161 | ---- | ---- | ---- | ---- | 900 UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 12.17 + 0.93 | .8106 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.79 + 0.93 | .7959 | ---- | ---- | ---- | ---- | 601 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.42 + 0.93 | .7855 | ---- | ---- | ---- | ---- | 750 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 11.05 + 0.92 | .7750 | ---- | ---- | ---- | ---- | 650 UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.68 + 0.91 | .7640 | ---- | ---- | ---- | ---- | 331 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.32 + 0.90 | .7526 | ---- | ---- | ---- | ---- | 700 UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 9.96 + 0.89 | .7411 | ---- | ---- | ---- | ---- | 1650 UNCH |
| 6000 | ---- | ---- | #9.73B/---- | #9.73B/---- | ---- | 9.61 + 0.88 | .7294 | ---- | ---- | 5 | ---- | 3960 - 5 |
| 6100 | ---- | ---- | #9.04B/---- | #9.04B/---- | ---- | 8.92 + 0.86 | .7052 | ---- | ---- | ---- | ---- | 1100 UNCH |
| 6150 | ---- | ---- | #8.71B/---- | #8.71B/---- | ---- | 8.58 + 0.85 | .6938 | ---- | ---- | ---- | ---- | 200 UNCH |
| 6200 | ---- | ---- | #8.38B/---- | #8.38B/---- | ---- | 8.25 + 0.84 | .6798 | ---- | ---- | ---- | ---- | 410 UNCH |
| 6250 | ---- | ---- | #8.05B/---- | #8.05B/---- | ---- | 7.93 + 0.83 | .6674 | ---- | ---- | ---- | ---- | 250 UNCH |
| 6300 | ---- | ---- | #7.73B/---- | #7.73B/---- | ---- | 7.61 + 0.81 | .6533 | ---- | ---- | ---- | ---- | 571 UNCH |
| 6350 | ---- | ---- | #7.42B/---- | #7.42B/---- | ---- | 7.30 + 0.80 | .6397 | ---- | ---- | ---- | ---- | 713 UNCH |
| 6400 | ---- | ---- | #7.15B/---- | #7.15B/---- | ---- | 6.99 + 0.79 | .6258 | ---- | ---- | ---- | ---- | 1953 UNCH |
| 6450 | ---- | ---- | #6.85B/---- | #6.85B/---- | ---- | 6.70 + 0.78 | .6117 | ---- | ---- | ---- | ---- | 84 UNCH |
| 6500 | ---- | ---- | #6.56B/---- | #6.56B/---- | ---- | 6.41 + 0.77 | .5974 | ---- | ---- | ---- | ---- | 4201 UNCH |
| 6550 | ---- | ---- | #6.27B/---- | #6.27B/---- | ---- | 6.13 + 0.76 | .5829 | ---- | ---- | ---- | ---- | 31 UNCH |
| 6600 | ---- | ---- | 5.99B/---- | 5.99B/---- | ---- | 5.85 + 0.74 | .5682 | ---- | ---- | ---- | ---- | 323 UNCH |
| 6650 | ---- | ---- | #5.75B/---- | #5.75B/---- | ---- | 5.59 + 0.73 | .5533 | ---- | ---- | ---- | ---- | 16 UNCH |
| 6700 | ---- | ---- | #5.49B/---- | #5.49B/---- | ---- | 5.33 + 0.72 | .5384 | ---- | ---- | ---- | ---- | 201 UNCH |
| 6750 | ---- | ---- | #5.23B/---- | #5.23B/---- | ---- | 5.07 + 0.70 | .5232 | ---- | ---- | ---- | ---- | 200 UNCH |
| 6800 | ---- | ---- | 4.97B/---- | 4.97B/---- | ---- | 4.83 + 0.69 | .5082 | ---- | ---- | ---- | ---- | 1807 UNCH |
| 6850 | ---- | ---- | #4.73B/---- | #4.73B/---- | ---- | 4.59 + 0.67 | .4930 | ---- | ---- | ---- | ---- | 425 UNCH |
| 7000 | ---- | ---- | 4.05B/---- | 4.05B/---- | ---- | 3.92 + 0.60 | .4473 | ---- | ---- | ---- | 100 | 4181 UNCH |
| 7200 | ---- | ---- | 3.26B/---- | 3.26B/---- | ---- | 3.16 + 0.54 | .3881 | ---- | ---- | ---- | ---- | 4 UNCH |
| 7400 | ---- | ---- | #2.59B/---- | #2.59B/---- | ---- | 2.53 + 0.47 | .3324 | ---- | ---- | ---- | ---- | 100 UNCH |
| 7500 | ---- | ---- | 2.30B/---- | 2.30B/---- | ---- | 2.26 + 0.44 | .3063 | ---- | ---- | ---- | ---- | 1690 UNCH |
| 7800 | ---- | ---- | #1.60B/---- | #1.60B/---- | ---- | 1.60 + 0.34 | .2361 | ---- | ---- | ---- | ---- | 250 UNCH |
| 8000 | 1.15 | 1.15 | #1.26B/1.15 | #1.26B/1.15 | ---- | 1.28 + 0.29 | .1975 | ---- | ---- | 18 | ---- | 2831 + 14 |
| 8300 | ---- | ---- | #0.89B/---- | #0.89B/---- | ---- | 0.92 + 0.23 | .1503 | ---- | ---- | ---- | ---- | 14 UNCH |
| 8350 | ---- | ---- | #0.84B/---- | #0.84B/---- | ---- | 0.87 + 0.22 | .1434 | ---- | ---- | ---- | ---- | 4 UNCH |
| 8400 | ---- | ---- | #0.79B/---- | #0.79B/---- | ---- | 0.83 + 0.22 | .1376 | ---- | ---- | ---- | ---- | 10 UNCH |
| 8500 | 0.67 | 0.67 | 0.71B/0.67 | 0.71B/0.67 | ---- | 0.75 + 0.21 | .1260 | ---- | ---- | 219 | ---- | 9979 + 118 |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | | | | |
| 8800 | ---- | ---- | #0.51B/---- | #0.51B/---- | ---- | 0.55 | + | 0.15 | .0961 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 9000 | 0.40 | 0.40 | 0.43/0.39 | 0.43/0.39 | ---- | 0.46 | + | 0.14 | .0815 | ---- | ---- | 209 | ---- | 1500 | + 208 |
| 9500 | ---- | ---- | 0.24B/---- | 0.24B/---- | ---- | 0.30 | + | 0.09 | .0548 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 9800 | ---- | ---- | 0.17B/---- | 0.17B/---- | ---- | 0.23 | + | 0.07 | .0428 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 10000 | 0.19 | 0.19 | #0.19/0.19 | #0.19/0.19 | ---- | 0.20 | + | 0.06 | .0374 | ---- | ---- | 1 | ---- | 303 | UNCH |
| TOTAL | | | | | | | | | | | | 452 | 100 | 44387 | + 335 |
| APR19 | | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.67 | + | 0.90 | .7111 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.72 | + | 0.83 | .6373 | ---- | ---- | ---- | ---- | 136 | UNCH |
| 6900 | ---- | ---- | ---- | ---- | ---- | 4.45 | + | 0.60 | .4701 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.02 | + | 0.56 | .4413 | ---- | ---- | ---- | ---- | 320 | UNCH |
| 7400 | ---- | ---- | ---- | ---- | ---- | 2.64 | + | 0.44 | .3321 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.37 | + | 0.41 | .3073 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 8800 | ---- | ---- | ---- | ---- | ---- | 0.61 | + | 0.16 | .1018 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 0.34 | + | 0.10 | .0595 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | | | 529 | |
| MAY19 | | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.64 | + | 0.80 | .6958 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.15 | + | 0.54 | .4377 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.50 | + | 0.41 | .3099 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | | 80 | |
| JUN19 | | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 25.80 | + | 0.88 | .9631 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 4500 | ---- | ---- | 21.48B/20.19A | 21.48B/20.19A | ---- | 21.17 | + | 0.83 | .9263 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 4800 | ---- | ---- | 18.87B/17.64A | 18.87B/17.64A | ---- | 18.56 | + | 0.80 | .8933 | ---- | ---- | ---- | ---- | 950 | UNCH |
| 4850 | ---- | ---- | 18.44B/17.22A | 18.44B/17.22A | ---- | 18.14 | + | 0.79 | .8979 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5000 | 17.10 | 17.10 | 17.20B/16.00A | 17.20B/16.00A | ---- | 16.91 | + | 0.79 | .8665 | ---- | ---- | 1 | ---- | 2249 | - 1 |
| 5050 | ---- | ---- | 16.79B/15.61A | 16.79B/15.61A | ---- | 16.51 | + | 0.78 | .8589 | ---- | ---- | ---- | ---- | 1550 | UNCH |
| 5100 | ---- | ---- | 16.39B/15.21A | 16.39B/15.21A | ---- | 16.11 | + | 0.78 | .8518 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 5150 | ---- | ---- | 15.99B/14.83A | 15.99B/14.83A | ---- | 15.71 | + | 0.77 | .8517 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 5200 | ---- | ---- | 15.59B/14.45A | 15.59B/14.45A | ---- | 15.32 | + | 0.77 | .8360 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 5300 | ---- | ---- | 14.81B/13.69A | 14.81B/13.69A | ---- | 14.55 | + | 0.77 | .8197 | ---- | ---- | ---- | ---- | 1001 | UNCH |
| 5350 | ---- | ---- | 14.43B/13.31A | 14.43B/13.31A | ---- | 14.17 | + | 0.77 | .8114 | ---- | ---- | ---- | ---- | 452 | UNCH |
| 5400 | ---- | ---- | 14.05B/12.94A | 14.05B/12.94A | ---- | 13.80 | + | 0.77 | .8027 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 5450 | ---- | ---- | 13.66B/12.58A | 13.66B/12.58A | ---- | 13.42 | + | 0.76 | .7987 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 5500 | ---- | ---- | 13.30B/12.21A | 13.30B/12.21A | ---- | 13.06 | + | 0.76 | .7849 | ---- | ---- | ---- | ---- | 3453 | UNCH |
| 5550 | ---- | ---- | 12.92B/11.86A | 12.92B/11.86A | ---- | 12.69 | + | 0.75 | .7796 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 5600 | ---- | ---- | 12.57B/11.51A | 12.57B/11.51A | ---- | 12.33 | + | 0.75 | .7664 | ---- | ---- | ---- | ---- | 1400 | UNCH |
| 5650 | ---- | ---- | 12.20B/11.16A | 12.20B/11.16A | ---- | 11.97 | + | 0.74 | .7568 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 5700 | ---- | ---- | 11.85B/10.81A | 11.85B/10.81A | ---- | 11.62 | + | 0.73 | .7470 | ---- | ---- | ---- | ---- | 1200 | UNCH |
| 5750 | ---- | ---- | 11.49B/10.46A | 11.49B/10.46A | ---- | 11.28 | + | 0.73 | .7370 | ---- | ---- | ---- | ---- | 4250 | UNCH |
| 5800 | ---- | ---- | 11.13B/10.13A | 11.13B/10.13A | ---- | 10.93 | + | 0.72 | .7268 | ---- | ---- | ---- | ---- | 1201 | UNCH |
| 5850 | ---- | ---- | 10.80B/9.79A | 10.80B/9.79A | ---- | 10.59 | + | 0.71 | .7165 | ---- | ---- | ---- | ---- | 3889 | UNCH |
| 5900 | ---- | ---- | 10.45B/9.46A | 10.45B/9.46A | ---- | 10.26 | + | 0.70 | .7060 | ---- | ---- | ---- | ---- | 901 | UNCH |
| 5950 | ---- | ---- | 10.12B/9.14A | 10.12B/9.14A | ---- | 9.93 | + | 0.70 | .6965 | ---- | ---- | ---- | ---- | 2400 | UNCH |
| 6000 | ---- | ---- | 9.79B/8.83A | 9.79B/8.83A | ---- | 9.60 | + | 0.68 | .6843 | ---- | ---- | ---- | ---- | 8802 | UNCH |
| 6050 | ---- | ---- | 9.46B/8.51A | 9.46B/8.51A | ---- | 9.28 | + | 0.68 | .6732 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 6100 | ---- | ---- | 9.14B/8.20A | 9.14B/8.20A | ---- | 8.96 | + | 0.68 | .6619 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 6150 | ---- | ---- | 8.82B/7.91A | 8.82B/7.91A | ---- | 8.65 | + | 0.68 | .6504 | ---- | ---- | ---- | ---- | 5000 | UNCH |
| 6200 | ---- | ---- | 8.54B/7.61A | 8.54B/7.61A | ---- | 8.34 | + | 0.67 | .6388 | ---- | ---- | ---- | ---- | 6306 | UNCH |
| 6250 | ---- | ---- | 8.24B/7.31A | 8.24B/7.31A | ---- | 8.04 | + | 0.67 | .6269 | ---- | ---- | ---- | ---- | 5602 | UNCH |
| 6300 | ---- | ---- | 7.93B/7.03A | 7.93B/7.03A | ---- | 7.74 | + | 0.66 | .6148 | ---- | ---- | ---- | ---- | 3511 | UNCH |
| 6350 | 6.92 | 6.92 | #7.64B/6.74A | #7.64B/6.74A | ---- | 7.45 | + | 0.66 | .6026 | ---- | ---- | 20 | ---- | 1800 | UNCH |
| 6400 | 6.64 | 6.64 | 7.35B/6.47A | 7.35B/6.47A | ---- | 7.16 | + | 0.64 | .5902 | ---- | ---- | 21 | ---- | 1180 | - 21 |
| 6450 | 6.37 | 6.37 | 7.06B/6.21A | 7.06B/6.21A | ---- | 6.88 | + | 0.64 | .5776 | ---- | ---- | 21 | ---- | 2750 | UNCH |
| 6500 | ---- | ---- | 6.78B/5.95A | 6.78B/5.95A | ---- | 6.60 | + | 0.62 | .5649 | ---- | ---- | ---- | ---- | 9819 | UNCH |
| 6550 | ---- | ---- | 6.51B/5.70A | 6.51B/5.70A | ---- | 6.34 | + | 0.62 | .5521 | ---- | ---- | ---- | 200 | 400 | + 200 |
| 6600 | ---- | ---- | 6.23B/5.45A | 6.23B/5.45A | ---- | 6.08 | + | 0.61 | .5392 | ---- | ---- | 25 | 100 | 1335 | + 125 |
| 6650 | ---- | ---- | 5.97B/5.21A | 5.97B/5.21A | ---- | 5.82 | + | 0.59 | .5261 | ---- | ---- | ---- | ---- | 1010 | UNCH |
| 6700 | 5.40 | 5.40 | 5.71B/4.97A | 5.71B/4.97A | ---- | 5.58 | + | 0.59 | .5131 | ---- | ---- | 2 | ---- | 354 | UNCH |
| 6750 | ---- | ---- | #5.47B/4.75A | #5.47B/4.75A | ---- | 5.34 | + | 0.57 | .5000 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 6800 | ---- | ---- | 5.23B/4.53A | 5.23B/4.53A | ---- | 5.10 | + | 0.55 | .4867 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 6850 | ---- | ---- | 5.00B/4.32A | 5.00B/4.32A | ---- | 4.88 | + | 0.55 | .4737 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6900 | ---- | ---- | 4.78B/4.11A | 4.78B/4.11A | ---- | 4.66 | + | 0.53 | .4605 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 7000 | 3.85 | 3.85 | 4.35B/3.72A | 4.35B/3.72A | ---- | 4.24 | + | 0.50 | .4342 | ---- | ---- | 3 | 100 | 8664 | - 2 |
| 7050 | ---- | ---- | 4.15B/3.54A | 4.15B/3.54A | ---- | 4.05 | + | 0.50 | .4214 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7100 | ---- | ---- | 3.95B/---- | 3.95B/---- | ---- | 3.86 | + | 0.49 | .4085 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7150 | ---- | ---- | 3.76B/---- | 3.76B/---- | ---- | 3.68 | + | 0.48 | .3958 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7200 | ---- | ---- | 3.58B/---- | 3.58B/---- | ---- | 3.50 | + | 0.46 | .3830 | ---- | ---- | ---- | ---- | 1511 | UNCH |
| 7250 | ---- | ---- | 3.41B/---- | 3.41B/---- | ---- | 3.33 | + | 0.44 | .3704 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7300 | ---- | ---- | #3.24B/---- | #3.24B/---- | ---- | 3.17 | + | 0.43 | .3581 | ---- | ---- | ---- | ---- | 76 | UNCH |
| 7350 | ---- | ---- | #3.08B/---- | #3.08B/---- | ---- | 3.01 | + | 0.41 | .3458 | ---- | ---- | ---- | ---- | 213 | UNCH |
| 7500 | ---- | ---- | 2.64B/---- | 2.64B/---- | ---- | 2.59 | + | 0.39 | .3109 | ---- | ---- | ---- | 2000 | 5665 | + 650 |
| 7600 | ---- | ---- | 2.38B/---- | 2.38B/---- | ---- | 2.35 | + | 0.38 | .2893 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 7700 | ---- | ---- | 2.15B/---- | 2.15B/---- | ---- | 2.13 | + | 0.36 | .2688 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7800 | ---- | ---- | 1.93B/---- | 1.93B/---- | ---- | 1.92 | + | 0.32 | .2487 | ---- | ---- | ---- | ---- | 1451 | UNCH |
| 8000 | 1.35 | 1.35 | 1.60/1.31A | 1.60/1.31A | ---- | 1.58 | + | 0.28 | .2135 | ---- | ---- | 465 | 150 | 10993 | + 495 |
| 8100 | ---- | ---- | 1.42B/---- | 1.42B/---- | ---- | 1.43 | + | 0.26 | .1972 | ---- | ---- | 12 | ---- | 56 | + 12 |
| 8200 | ---- | ---- | 1.28B/---- | 1.28B/---- | ---- | 1.29 | + | 0.24 | .1817 | ---- | ---- | 12 | ---- | 129 | + 12 |
| 8500 | ---- | ---- | 0.95B/---- | 0.95B/---- | ---- | 0.97 | + | 0.21 | .1434 | ---- | ---- | ---- | 800 | 20277 | - 100 |
| 8700 | ---- | ---- | 0.78B/---- | 0.78B/---- | ---- | 0.80 | + | 0.18 | .1219 | ---- | ---- | ---- | ---- | 3378 | UNCH |
| 8750 | ---- | ---- | #0.75B/---- | #0.75B/---- | ---- | 0.77 | + | 0.18 | .1177 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 8900 | ---- | ---- | 0.65B/---- | 0.65B/---- | ---- | 0.67 | + | 0.16 | .1044 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 9000 | 0.60 | 0.60 | 0.60/0.60 | 0.60/0.60 | ---- | 0.62 | + | 0.15 | .0973 | ---- | ---- | 80 | 100 | 7551 | + 74 |
| 9300 | ---- | ---- | #0.45B/---- | #0.45B/---- | ---- | 0.48 | + | 0.12 | .0775 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 9400 | ---- | ---- | 0.41B/---- | 0.41B/---- | ---- | 0.44 | + | 0.11 | .0717 | ---- | ---- | ---- | ---- | 2001 | UNCH |
| 9500 | ---- | ---- | 0.38B/---- | 0.38B/---- | ---- | 0.41 | + | 0.11 | .0671 | ---- | ---- | ---- | 1600 | 19060 | - 1000 |
| 9800 | ---- | ---- | 0.30B/---- | 0.30B/---- | ---- | 0.33 | + | 0.10 | .0548 | ---- | ---- | ---- | ---- | 1152 | UNCH |
| 10000 | ---- | ---- | 0.22B/---- | 0.22B/---- | ---- | 0.28 | + | 0.08 | .0472 | ---- | ---- | ---- | ---- | 2517 | UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.20 | + | 0.06 | .0343 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.14 | | NEW | .0246 | ---- | ---- | ---- | 500 | 500 | + 500 |
| 12000 | ---- | ---- | 0.12B/---- | 0.12B/---- | ---- | 0.08 | + | 0.03 | .0142 | ---- | ---- | ---- | ---- | 24 | UNCH |
| TOTAL | | | | | | | | | | | | 662 | 5550 | 164277 | + 944 |
| JUL19 | | | | | | | | | | | | | | | |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.18 | + | 0.66 | .6950 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.53 | + | 0.64 | .6733 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.29 | + | 0.48 | .4292 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.67 | + | 0.37 | .3109 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | | 231 | |
| AUG19 | | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.48 | + | 0.61 | .6632 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.32 | + | 0.45 | .4248 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.74 | + | 0.36 | .3110 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | | 80 | |
| SEP19 | | | | | | | | | | | | | | | |
| 5500 | ---- | ---- | ---- | ---- | ---- | 12.75 | + | 0.66 | .7505 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 11.38 | + | 0.63 | .7138 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 11.05 | + | 0.62 | .7059 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 10.71 | + | 0.60 | .6946 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 5850 | ---- | ---- | ---- | ---- | ---- | 10.39 | + | 0.60 | .6858 | ---- | ---- | ---- | ---- | 2050 | UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 10.06 | + | 0.58 | .6755 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.44 | + | 0.57 | .6539 | ---- | ---- | ---- | ---- | 1970 | UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 9.14 | + | 0.57 | .6436 | ---- | ---- | ---- | ---- | 475 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.84 | + | 0.57 | .6327 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 8.26 | + | 0.56 | .6105 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| 6250 | ---- | ---- | ---- | ---- | ---- | 7.98 | + | 0.56 | .5992 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6300 | ---- | ---- | ---- | ---- | ---- | 7.71 | + | 0.57 | .5879 | ---- | ---- | ---- | ---- | 1501 | UNCH |
| 6350 | ---- | ---- | ---- | ---- | ---- | 7.44 | + | 0.57 | .5764 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 7.17 | + | 0.56 | .5649 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 6450 | ---- | ---- | ---- | ---- | ---- | 6.91 | + | 0.56 | .5533 | ---- | ---- | ---- | 850 | 1550 | + 850 |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.65 | + | 0.55 | .5415 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| 6700 | ---- | ---- | ---- | ---- | ---- | 5.63 | + | 0.48 | .4933 | ---- | ---- | ---- | ---- | 300 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| LO CALL | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | |
| SEP19 | | | | | | | | | | | | | | |
| 6750 | ---- | ---- | ---- | ---- | ---- | 5.39 | NEW | .4810 | ---- | ---- | ---- | 200 | 200 + | 200 |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.36 | + 0.43 | .4213 | ---- | ---- | ---- | 450 | 4050 + | 450 |
| 7400 | ---- | ---- | ---- | ---- | ---- | 3.06 | NEW | .3315 | ---- | ---- | ---- | 350 | 350 + | 350 |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.79 | + 0.33 | .3105 | ---- | ---- | ---- | 200 | 740 + | 100 |
| 7700 | ---- | ---- | ---- | ---- | ---- | 2.32 | NEW | .2714 | ---- | ---- | ---- | 50 | 50 + | 50 |
| 8400 | ---- | ---- | ---- | ---- | ---- | 1.26 | NEW | .1672 | ---- | ---- | ---- | 700 | 700 + | 700 |
| 8500 | ---- | ---- | ---- | ---- | ---- | 1.15 | NEW | .1553 | ---- | ---- | ---- | 450 | 450 + | 450 |
| 9400 | ---- | ---- | ---- | ---- | ---- | 0.55 | NEW | .0823 | ---- | ---- | ---- | 350 | 350 + | 350 |
| TOTAL | | | | | | | | | | | | 3600 | 23786 + | 3500 |
| OCT19 | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.44 | + 0.53 | .6468 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.44 | + 0.41 | .4197 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.89 | + 0.32 | .3127 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | 80 | |
| NOV19 | | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 9.41 | + 0.48 | .6399 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.51 | + 0.41 | .4181 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 2.96 | + 0.30 | .3136 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | 80 | |
| DEC19 | | | | | | | | | | | | | | |
| 3900 | ---- | ---- | 25.26B/24.18A | 25.26B/24.18A | ---- | 24.96 | + 0.62 | .9367 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 4000 | ---- | ---- | 24.37B/23.30A | 24.37B/23.30A | ---- | 24.07 | + 0.62 | .9285 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4700 | ---- | ---- | 18.54B/17.64A | 18.54B/17.64A | ---- | 18.29 | + 0.57 | .8508 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4750 | ---- | ---- | 18.15B/17.26A | 18.15B/17.26A | ---- | 17.91 | + 0.57 | .8441 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 4800 | ---- | ---- | 17.77B/16.87A | 17.77B/16.87A | ---- | 17.53 | + 0.57 | .8373 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 4850 | ---- | ---- | 17.39B/16.50A | 17.39B/16.50A | ---- | 17.16 | + 0.57 | .8303 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 4900 | ---- | ---- | 17.01B/16.13A | 17.01B/16.13A | ---- | 16.79 | + 0.57 | .8231 | ---- | ---- | ---- | ---- | 1312 | UNCH |
| 4950 | ---- | ---- | 16.64B/15.78A | 16.64B/15.78A | ---- | 16.42 | + 0.57 | .8157 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 5000 | ---- | ---- | 16.27B/15.42A | 16.27B/15.42A | ---- | 16.06 | + 0.57 | .8085 | ---- | ---- | ---- | ---- | 2207 | UNCH |
| 5050 | ---- | ---- | 15.90B/15.07A | 15.90B/15.07A | ---- | 15.70 | + 0.57 | .8008 | ---- | ---- | ---- | ---- | 2450 | UNCH |
| 5100 | ---- | ---- | 15.53B/14.70A | 15.53B/14.70A | ---- | 15.34 | + 0.56 | .7932 | ---- | ---- | ---- | ---- | 4800 | UNCH |
| 5150 | ---- | ---- | 15.17B/14.36A | 15.17B/14.36A | ---- | 14.98 | + 0.55 | .7911 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 5200 | ---- | ---- | 14.82B/14.01A | 14.82B/14.01A | ---- | 14.63 | + 0.55 | .7777 | ---- | ---- | ---- | ---- | 2150 | UNCH |
| 5250 | ---- | ---- | 14.46B/13.66A | 14.46B/13.66A | ---- | 14.28 | + 0.54 | .7743 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 5300 | ---- | ---- | 14.11B/13.32A | 14.11B/13.32A | ---- | 13.93 | + 0.54 | .7617 | ---- | ---- | ---- | ---- | 2282 | UNCH |
| 5350 | ---- | ---- | 13.76B/12.97A | 13.76B/12.97A | ---- | 13.58 | + 0.52 | .7536 | ---- | ---- | ---- | ---- | 1565 | UNCH |
| 5400 | ---- | ---- | 13.41B/12.66A | 13.41B/12.66A | ---- | 13.23 | + 0.51 | .7452 | ---- | ---- | ---- | ---- | 2055 | UNCH |
| 5450 | ---- | ---- | 13.07B/12.32A | 13.07B/12.32A | ---- | 12.89 | + 0.51 | .7367 | ---- | ---- | ---- | ---- | 1105 | UNCH |
| 5500 | ---- | ---- | 12.73B/11.99A | 12.73B/11.99A | ---- | 12.56 | + 0.51 | .7281 | ---- | ---- | ---- | ---- | 4319 | UNCH |
| 5550 | ---- | ---- | 12.40B/11.67A | 12.40B/11.67A | ---- | 12.23 | + 0.51 | .7193 | ---- | ---- | ---- | ---- | 1910 | UNCH |
| 5600 | ---- | ---- | 12.07B/11.35A | 12.07B/11.35A | ---- | 11.90 | + 0.50 | .7104 | ---- | ---- | ---- | ---- | 853 | UNCH |
| 5650 | ---- | ---- | 11.74B/11.03A | 11.74B/11.03A | ---- | 11.57 | + 0.49 | .7013 | ---- | ---- | ---- | ---- | 2939 | UNCH |
| 5700 | ---- | ---- | 11.42B/10.73A | 11.42B/10.73A | ---- | 11.25 | + 0.49 | .6922 | ---- | ---- | ---- | ---- | 1705 | UNCH |
| 5750 | ---- | ---- | 11.10B/10.41A | 11.10B/10.41A | ---- | 10.93 | + 0.48 | .6829 | ---- | ---- | ---- | ---- | 1277 | UNCH |
| 5800 | ---- | ---- | 10.78B/10.10A | 10.78B/10.10A | ---- | 10.62 | + 0.48 | .6734 | ---- | ---- | ---- | ---- | 1210 | UNCH |
| 5850 | 9.97 | 9.97 | 10.47B/9.81A | 10.47B/9.81A | ---- | 10.31 | + 0.47 | .6638 | ---- | ---- | 10 | ---- | 2267 | UNCH |
| 5900 | ---- | ---- | 10.16B/9.50A | 10.16B/9.50A | ---- | 10.00 | + 0.46 | .6540 | ---- | ---- | ---- | ---- | 4106 | UNCH |
| 5950 | ---- | ---- | 9.86B/9.21A | 9.86B/9.21A | ---- | 9.70 | + 0.46 | .6441 | ---- | ---- | ---- | ---- | 1180 | UNCH |
| 6000 | 9.75 | 9.75 | 9.75/8.92A | 9.75/8.92A | ---- | 9.41 | + 0.46 | .6340 | ---- | ---- | 31 | ---- | 11114 - | 30 |
| 6050 | ---- | ---- | #9.26B/8.64A | #9.26B/8.64A | ---- | 9.12 | + 0.45 | .6239 | ---- | ---- | ---- | ---- | 2650 | UNCH |
| 6100 | ---- | ---- | 8.97B/8.35A | 8.97B/8.35A | ---- | 8.83 | + 0.45 | .6136 | ---- | ---- | ---- | ---- | 4650 | UNCH |
| 6150 | ---- | ---- | 8.69B/8.09A | 8.69B/8.09A | ---- | 8.55 | + 0.44 | .6031 | ---- | ---- | ---- | ---- | 1610 | UNCH |
| 6200 | ---- | ---- | 8.41B/7.81A | 8.41B/7.81A | ---- | 8.27 | + 0.44 | .5926 | ---- | ---- | ---- | ---- | 1917 | UNCH |
| 6250 | ---- | ---- | 8.13B/7.55A | 8.13B/7.55A | ---- | 8.00 | + 0.44 | .5819 | ---- | ---- | ---- | ---- | 1508 | UNCH |
| 6300 | ---- | ---- | 7.86B/7.29A | 7.86B/7.29A | ---- | 7.73 | + 0.43 | .5712 | ---- | ---- | 25 | ---- | 631 + | 25 |
| 6350 | ---- | ---- | 7.59B/---- | 7.59B/---- | ---- | 7.47 | + 0.43 | .5603 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 6400 | ---- | ---- | 7.33B/---- | 7.33B/---- | ---- | 7.22 | + 0.44 | .5494 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 6450 | ---- | ---- | #7.08B/---- | #7.08B/---- | ---- | 6.97 | + 0.44 | .5385 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 6500 | ---- | ---- | 6.83B/---- | 6.83B/---- | ---- | 6.72 | + 0.44 | .5274 | ---- | ---- | ---- | 400 | 7018 | UNCH |
| 6600 | ---- | ---- | 6.34B/---- | 6.34B/---- | ---- | 6.25 | + 0.45 | .5054 | ---- | ---- | ---- | ---- | 620 | UNCH |
| 6700 | ---- | ---- | 5.88B/---- | 5.88B/---- | ---- | 5.80 | + 0.45 | .4833 | ---- | ---- | ---- | ---- | 591 | UNCH |
| 6750 | ---- | ---- | 5.66B/---- | 5.66B/---- | ---- | 5.58 | + 0.44 | .4721 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 6800 | ---- | ---- | 5.44B/---- | 5.44B/---- | ---- | 5.37 | + 0.44 | .4611 | ---- | ---- | ---- | ---- | 511 | UNCH |
| 6900 | ---- | ---- | 5.03B/---- | 5.03B/---- | ---- | 4.96 | + 0.42 | .4389 | ---- | ---- | ---- | ---- | 514 | UNCH |
| 7000 | ---- | ---- | 4.64B/---- | 4.64B/---- | ---- | 4.58 | + 0.41 | .4171 | ---- | ---- | ---- | 200 | 12543 - | 200 |
| 7050 | ---- | ---- | 4.45B/---- | 4.45B/---- | ---- | 4.40 | + 0.41 | .4063 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7100 | ---- | ---- | 4.27B/---- | 4.27B/---- | ---- | 4.22 | + 0.40 | .3955 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 7150 | ---- | ---- | 4.10B/---- | 4.10B/---- | ---- | 4.05 | + 0.39 | .3849 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 7200 | ---- | ---- | 3.93B/---- | 3.93B/---- | ---- | 3.89 | + 0.38 | .3745 | ---- | ---- | ---- | ---- | 77 | UNCH |
| 7250 | ---- | ---- | 3.77B/---- | 3.77B/---- | ---- | 3.73 | + 0.36 | .3641 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7300 | ---- | ---- | 3.61B/---- | 3.61B/---- | ---- | 3.57 | + 0.34 | .3535 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 7400 | ---- | ---- | 3.31B/---- | 3.31B/---- | ---- | 3.29 | + 0.31 | .3338 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 7500 | ---- | ---- | 3.04B/---- | 3.04B/---- | ---- | 3.03 | + 0.29 | .3148 | ---- | ---- | ---- | 550 | 4554 + | 550 |
| 7700 | ---- | ---- | 2.56B/---- | 2.56B/---- | ---- | 2.57 | + 0.26 | .2790 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 7800 | ---- | ---- | 2.35B/---- | 2.35B/---- | ---- | 2.36 | + 0.23 | .2619 | ---- | ---- | ---- | ---- | 83 | UNCH |
| 7900 | ---- | ---- | #2.16B/---- | #2.16B/---- | ---- | 2.18 | + 0.21 | .2463 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 8000 | ---- | ---- | 1.99B/---- | 1.99B/---- | ---- | 2.02 | + 0.20 | .2319 | ---- | ---- | 50 | ---- | 7783 + | 50 |
| 8200 | ---- | ---- | 1.68B/---- | 1.68B/---- | ---- | 1.73 | + 0.18 | .2050 | ---- | ---- | ---- | ---- | 216 | UNCH |
| 8250 | ---- | ---- | 1.61B/---- | 1.61B/---- | ---- | 1.66 | + 0.17 | .1984 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 8300 | ---- | ---- | 1.54B/---- | 1.54B/---- | ---- | 1.60 | + 0.17 | .1924 | ---- | ---- | ---- | ---- | 213 | UNCH |
| 8500 | ---- | ---- | 1.31B/---- | 1.31B/---- | ---- | 1.37 | + 0.16 | .1695 | ---- | ---- | ---- | ---- | 4846 | UNCH |
| 8700 | ---- | ---- | #1.12B/---- | #1.12B/---- | ---- | 1.17 | + 0.14 | .1489 | ---- | ---- | ---- | ---- | 509 | UNCH |
| 8800 | ---- | ---- | #1.03B/---- | #1.03B/---- | ---- | 1.09 | + 0.14 | .1401 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 8900 | ---- | ---- | #0.95B/---- | #0.95B/---- | ---- | 1.01 | + 0.13 | .1314 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 9000 | ---- | ---- | 0.88B/---- | 0.88B/---- | ---- | 0.94 | + 0.13 | .1235 | ---- | ---- | ---- | ---- | 13277 | UNCH |
| 9100 | ---- | ---- | #0.82B/---- | #0.82B/---- | ---- | 0.87 | + 0.12 | .1157 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 9250 | ---- | ---- | 0.73B/---- | #0.73B/---- | ---- | 0.78 | + 0.11 | .1053 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 9500 | ---- | ---- | 0.61B/---- | 0.61B/---- | ---- | 0.65 | + 0.09 | .0898 | ---- | ---- | ---- | ---- | 1290 | UNCH |
| 10000 | 0.44 | 0.44 | 0.50/0.44 | 0.50/0.44 | ---- | 0.47 | + 0.08 | .0671 | ---- | ---- | 35 | ---- | 19688 + | 35 |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.35 | + 0.07 | .0511 | ---- | ---- | ---- | 100 | 825 + | 100 |
| 10950 | ---- | ---- | ---- | ---- | ---- | 0.26 | + 0.05 | .0390 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 11000 | ---- | ---- | ---- | ---- | ---- | 0.25 | + 0.05 | .0377 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 11500 | ---- | ---- | ---- | ---- | ---- | 0.19 | + 0.04 | .0291 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.14 | + 0.03 | .0220 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.11 | + 0.03 | .0174 | ---- | ---- | ---- | ---- | 2810 | UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.08 | + 0.02 | .0130 | ---- | ---- | ---- | ---- | 205 | UNCH |
| 13500 | ---- | ---- | ---- | ---- | ---- | 0.07 | + 0.02 | .0113 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.05 | + 0.01 | .0083 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 15000 | 0.03 | 0.03 | 0.03/0.03 | 0.03/0.03 | ---- | 0.03 | + 0.01 | .0051 | ---- | ---- | 1 | ---- | 408 + | 1 |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0016 | ---- | ---- | ---- | ---- | 293 | UNCH |
| TOTAL | | | | | | | | | | | 152 | 1250 | 151488 + | 531 |
| JAN20 | | | | | | | | | | | | | | |
| 6800 | ---- | ---- | ---- | ---- | ---- | 5.30 | + 0.40 | .4554 | ---- | ---- | ---- | ---- | 160 | UNCH |
| 8300 | ---- | ---- | ---- | ---- | ---- | 1.61 | + 0.16 | .1920 | ---- | ---- | ---- | ---- | 160 | UNCH |
| TOTAL | | | | | | | | | | | | | 320 | |
| JUN20 | | | | | | | | | | | | | | |
| 4850 | ---- | ---- | ---- | ---- | ---- | 16.03 | + 0.33 | .8083 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 15.68 | + 0.33 | .8002 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 12.96 | + 0.29 | .7297 | ---- | ---- | ---- | ---- | 72 | UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 11.06 | + 0.27 | .6773 | ---- | ---- | ---- | ---- | 389 | UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 10.45 | + 0.26 | .6593 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 9.87 | + 0.26 | .6400 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.75 | + 0.25 | .6003 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 6100 | ---- | ---- | ---- | ---- | ---- | 8.21 | + 0.24 | .5798 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.34 | + 0.17 | .3929 | ---- | ---- | ---- | ---- | 850 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.61 | + 0.06 | .0794 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | | 3863 | |
| DEC20 | | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 21.50 | + 0.24 | .8865 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 17.69 | + 0.24 | .8259 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 15.91 | + 0.23 | .8001 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 15.57 | + 0.23 | .7840 | ---- | ---- | ---- | ---- | 350 | UNCH |

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# ENERGY OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO CALL | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| DEC20 | | | | | | | | | | | | |
| 4900 | ---- | ---- | ---- | ---- | ---- | 14.89 + 0.23 | .7758 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4950 | ---- | ---- | ---- | ---- | ---- | 14.56 + 0.23 | .7674 | ---- | ---- | ---- | ---- | 700 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 14.23 + 0.23 | .7538 | ---- | ---- | ---- | ---- | 1245 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 13.58 + 0.23 | .7422 | ---- | ---- | ---- | ---- | 1250 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 13.25 + 0.23 | .7337 | ---- | ---- | ---- | ---- | 2300 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 12.62 + 0.23 | .7162 | ---- | ---- | ---- | ---- | 300 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 12.31 + 0.23 | .7052 | ---- | ---- | ---- | ---- | 500 UNCH |
| 5350 | ---- | ---- | ---- | ---- | ---- | 12.00 + 0.22 | .6985 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 11.70 + 0.23 | .6881 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5450 | ---- | ---- | ---- | ---- | ---- | 11.40 + 0.22 | .6804 | ---- | ---- | ---- | ---- | 1150 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 11.10 + 0.22 | .6705 | ---- | ---- | ---- | ---- | 1460 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 10.52 + 0.22 | .6528 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 9.96 + 0.22 | .6340 | ---- | ---- | ---- | ---- | 202 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 9.68 + 0.22 | .6244 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 9.41 + 0.22 | .6151 | ---- | ---- | ---- | ---- | 600 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 8.87 + 0.21 | .5958 | ---- | ---- | ---- | ---- | 250 UNCH |
| 5950 | ---- | ---- | ---- | ---- | ---- | 8.61 + 0.20 | .5857 | ---- | ---- | ---- | ---- | 260 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 8.36 + 0.20 | .5759 | ---- | ---- | ---- | ---- | 6447 UNCH |
| 6200 | ---- | ---- | ---- | ---- | ---- | 7.39 + 0.19 | .5364 | ---- | ---- | ---- | ---- | 34 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 6.08 + 0.17 | .4767 | ---- | ---- | ---- | ---- | 5309 UNCH |
| 6650 | ---- | ---- | ---- | ---- | ---- | 5.50 + 0.17 | .4473 | ---- | ---- | ---- | ---- | 1 UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 4.95 + 0.16 | .4180 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.29 + 0.14 | .3801 | ---- | ---- | ---- | ---- | 5483 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 3.03 + 0.14 | .2962 | ---- | ---- | ---- | ---- | 1331 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 2.17 + 0.12 | .2287 | ---- | ---- | ---- | ---- | 6751 UNCH |
| 8500 | ---- | ---- | ---- | ---- | ---- | 1.68 + 0.13 | .1830 | ---- | ---- | ---- | ---- | 6554 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 1.35 + 0.14 | .1496 | ---- | ---- | 3 | ---- | 80 + 3 |
| 9100 | ---- | ---- | ---- | ---- | ---- | 1.29 + 0.14 | .1436 | ---- | ---- | ---- | ---- | 202 UNCH |
| 9500 | ---- | ---- | ---- | ---- | ---- | 1.05 + 0.13 | .1199 | ---- | ---- | ---- | ---- | 33 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.81 + 0.11 | .0955 | ---- | ---- | 3 | 150 | 13403 + 150 |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.63 + 0.09 | .0764 | ---- | ---- | ---- | ---- | 70 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.30 + 0.05 | .0392 | ---- | ---- | ---- | ---- | 1 UNCH |
| 12500 | ---- | ---- | ---- | ---- | ---- | 0.24 + 0.04 | .0319 | ---- | ---- | ---- | ---- | 251 UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.19 + 0.03 | .0257 | ---- | ---- | ---- | ---- | 2 UNCH |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.13 + 0.02 | .0180 | ---- | ---- | ---- | ---- | 25 UNCH |
| 15000 | 0.06 | 0.06 | 0.07/0.06 | 0.07/0.06 | ---- | 0.09 + 0.01 | .0127 | ---- | ---- | 4 | ---- | 1865 + 1 |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.04 UNCH | .0058 | ---- | ---- | ---- | ---- | 35 UNCH |
| TOTAL | | | | | | | | | | 10 | 150 | 59067 + 154 |
| DEC21 | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 13.10 + 0.11 | .7166 | ---- | ---- | ---- | ---- | 1 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 11.90 + 0.11 | .6852 | ---- | ---- | ---- | ---- | 600 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 11.61 + 0.11 | .6765 | ---- | ---- | ---- | ---- | 900 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 10.22 + 0.11 | .6323 | ---- | ---- | ---- | ---- | 700 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 9.68 + 0.10 | .6137 | ---- | ---- | ---- | ---- | 100 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.77 + 0.10 | .5399 | ---- | ---- | ---- | ---- | 500 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 5.83 + 0.09 | .4496 | ---- | ---- | ---- | ---- | 507 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.33 + 0.09 | .3663 | ---- | ---- | ---- | ---- | 1202 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 3.16 + 0.08 | .2918 | ---- | ---- | ---- | ---- | 378 UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 2.21 + 0.05 | .2210 | ---- | ---- | ---- | ---- | 100 UNCH |
| 9900 | ---- | ---- | ---- | ---- | ---- | 0.96 + 0.03 | .1068 | ---- | ---- | ---- | ---- | 1 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.92 + 0.02 | .1028 | ---- | ---- | ---- | ---- | 2011 UNCH |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.35 + 0.01 | .0412 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 7100 |
| DEC22 | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.53 + 0.09 | .5198 | ---- | ---- | ---- | ---- | 16 UNCH |
| 6050 | ---- | ---- | ---- | ---- | ---- | 7.31 + 0.08 | .5108 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.13 + 0.07 | .3510 | ---- | ---- | ---- | ---- | 408 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 3.04 + 0.06 | .2807 | ---- | ---- | ---- | ---- | 1 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.93 + 0.03 | .1029 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 10500 | ---- | ---- | ---- | ---- | ---- | 0.78 + 0.02 | .0874 | ---- | ---- | ---- | ---- | 465 UNCH |
| TOTAL | | | | | | | | | | | | 1891 |
| DEC23 | | | | | | | | | | | | |
| 10000 | ---- | ---- | ---- | ---- | ---- | 1.06 + 0.03 | .1120 | ---- | ---- | ---- | ---- | 1001 UNCH |
| TOTAL | | | | | | | | | | | | 1001 |
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 9 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 7 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 13 UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 609 UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 17 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 34 UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 3 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 5 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 310 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 227 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 106 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 482 UNCH |
| 3950 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 466 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1203 UNCH |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 337 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 826 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 49 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1186 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 652 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 104 UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 58 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 522 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 547 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 2353 UNCH |
| 4550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 537 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 431 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 389 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1698 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1440 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | 1 | ---- | 3038 - 1 |
| 4850 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 921 UNCH |
| 4900 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | ---- | ---- | ---- | 1 | ---- | 1172 + 1 |
| 4950 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 3632 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 5458 UNCH |
| 5050 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1683 UNCH |
| 5100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 2030 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1034 UNCH |
| 5200 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | ---- | ---- | ---- | 1 | ---- | 2309 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 854 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | 16 | ---- | 3342 UNCH |
| 5350 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | ---- | ---- | ---- | 3 | ---- | 1427 UNCH |
| 5400 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0000 | ---- | ---- | 22 | ---- | 2716 - 20 |
| 5450 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0000 | ---- | ---- | 3 | ---- | 1161 UNCH |
| 5500 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0000 | ---- | ---- | 128 | ---- | 10567 - 80 |
| 5550 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0000 | ---- | ---- | 184 | ---- | 2088 - 20 |
| 5600 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0000 | ---- | ---- | 20 | ---- | 2803 - 1 |
| 5650 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0001 | ---- | ---- | 29 | ---- | 3275 UNCH |
| 5700 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0001 | ---- | ---- | 91 | ---- | 4597 - 21 |
| 5750 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0003 | ---- | ---- | 371 | ---- | 3512 - 18 |
| 5800 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0004 | ---- | ---- | 259 | ---- | 8026 - 58 |
| 5850 | 0.02 | 0.02 | 0.02/0.01 | 0.02/0.01 | ---- | 0.01 - 0.01 | .0007 | ---- | ---- | 336 | ---- | 1893 - 100 |
| 5900 | 0.02 | 0.02 | 0.02/*0.01 | 0.02/*0.01 | ---- | 0.01 - 0.01 | .0011 | ---- | ---- | 337 | ---- | 5358 - 190 |
| 5950 | 0.02 | 0.02 | 0.03/*0.01 | 0.03/*0.01 | ---- | 0.01 - 0.01 | .0016 | ---- | ---- | 1039 | ---- | 1935 - 87 |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 6000 | 0.03 | 0.03 | 0.03/*0.01 | 0.03/*0.01 | ---- | 0.01 - 0.02 | .0024 | ---- | ---- | 466 | ---- | 14005 - 88 |
| 6050 | 0.03 | 0.03 | 0.03/*0.01 | 0.03/*0.01 | ---- | 0.01 - 0.02 | .0035 | ---- | ---- | 368 | ---- | 3445 + 84 |
| 6100 | 0.04 | 0.04 | 0.04/*0.02 | 0.04/*0.02 | ---- | 0.01 - 0.03 | .0049 | ---- | ---- | 694 | ---- | 8998 - 91 |
| 6150 | 0.04 | 0.04 | 0.04/*0.02 | 0.04/*0.02 | ---- | 0.02 - 0.02 | .0091 | ---- | ---- | 992 | ---- | 4428 - 301 |
| 6200 | 0.06 | 0.06 | 0.06/*0.03 | 0.06/*0.03 | ---- | 0.02 - 0.03 | .0095 | ---- | ---- | 921 | ---- | 6836 - 449 |
| 6250 | 0.05 | 0.05 | 0.06/*0.02 | 0.06/*0.02 | ---- | 0.02 - 0.04 | .0099 | ---- | ---- | 724 | 340 | 4295 - 298 |
| 6300 | 0.08 | 0.08 | 0.08/*0.03 | 0.08/*0.03 | ---- | 0.03 - 0.05 | .0144 | ---- | ---- | 822 | ---- | 8741 - 316 |
| 6350 | 0.09 | 0.09 | 0.09/*0.04 | 0.09/*0.04 | ---- | 0.04 - 0.06 | .0189 | ---- | ---- | 940 | ---- | 3115 + 243 |
| 6400 | 0.10 | 0.10 | 0.12/*0.04 | 0.12/*0.04 | ---- | 0.04 - 0.08 | .0198 | ---- | ---- | 1979 | ---- | 7218 + 693 |
| 6450 | 0.15 | 0.15 | 0.15/*0.05 | 0.15/*0.05 | ---- | 0.05 - 0.10 | .0247 | ---- | ---- | 742 | ---- | 3764 + 3 |
| 6500 | 0.19 | 0.19 | 0.19/*0.06 | 0.19/*0.06 | ---- | 0.07 - 0.12 | .0334 | ---- | ---- | 5812 | ---- | 17184 + 1244 |
| 6550 | 0.21 | 0.21 | 0.22B/*0.09 | 0.22B/*0.09 | ---- | 0.08 - 0.15 | .0388 | ---- | ---- | 628 | ---- | 3502 + 67 |
| 6600 | 0.28 | 0.28 | 0.29/*0.10 | 0.29/*0.10 | ---- | 0.10 - 0.19 | .0481 | ---- | ---- | 2042 | ---- | 9193 + 226 |
| 6650 | 0.36 | 0.36 | 0.36/*0.12 | 0.36/*0.12 | ---- | 0.13 - 0.23 | .0611 | ---- | ---- | 1618 | ---- | 3258 + 212 |
| 6700 | 0.42 | 0.42 | 0.45/*0.16 | 0.45/*0.16 | ---- | 0.16 - 0.28 | .0745 | ---- | ---- | 2649 | 300 | 7422 + 255 |
| 6750 | 0.55 | 0.55 | 0.55/*0.20 | 0.55/*0.20 | ---- | 0.20 - 0.34 | .0915 | ---- | ---- | 1308 | ---- | 2426 + 277 |
| 6800 | 0.67 | 0.67 | 0.67/*0.24 | 0.67/*0.24 | ---- | 0.25 - 0.42 | .1118 | ---- | ---- | 5291 | 150 | 8234 + 1134 |
| 6850 | 0.82 | 0.82 | 0.82/*0.31 | 0.82/*0.31 | ---- | 0.32 - 0.49 | .1379 | ---- | ---- | 2577 | ---- | 2778 - 179 |
| 6900 | 0.93 | 0.93 | 0.94B/*0.38 | 0.94B/*0.38 | ---- | 0.40 - 0.57 | .1667 | ---- | ---- | 1875 | 950 | 3769 + 918 |
| 6950 | 1.15 | 1.15 | 1.15/*0.48 | 1.15/*0.48 | ---- | 0.50 - 0.66 | .2002 | ---- | ---- | 834 | ---- | 1906 + 182 |
| 7000 | 1.35 | 1.35 | 1.35/*0.59 | 1.35/*0.59 | ---- | 0.62 - 0.76 | .2375 | ---- | ---- | 3646 | 900 | 6534 + 1469 |
| 7050 | 1.61 | 1.61 | 1.61/*0.72 | 1.61/*0.72 | ---- | 0.76 - 0.86 | .2782 | ---- | ---- | 1059 | ---- | 1247 + 548 |
| 7100 | 1.74 | 1.74 | 1.84B/*0.87A | 1.84B/*0.87A | ---- | 0.93 - 0.96 | .3225 | ---- | ---- | 1506 | 150 | 3573 + 750 |
| 7150 | 2.18 | 2.18 | 2.18/*1.05 | 2.18/*1.05 | ---- | 1.11 - 1.07 | .3678 | ---- | ---- | 1231 | ---- | 1601 + 463 |
| 7200 | 2.40 | 2.40 | 2.51/*1.25A | 2.51/*1.25A | ---- | 1.33 - 1.17 | .4156 | ---- | ---- | 1874 | 350 | 1994 + 1344 |
| 7250 | 2.14 | 2.14 | 2.16B/*1.48A | 2.16B/*1.48A | ---- | 1.57 - 1.27 | .4636 | ---- | ---- | 582 | 100 | 777 + 468 |
| 7300 | 2.45 | 2.45 | 2.47B/*1.72 | 2.47B/*1.72 | ---- | 1.83 - 1.37 | .5114 | ---- | ---- | 333 | 100 | 475 + 147 |
| 7350 | 3.40 | 3.40 | 3.49B/*2.02A | 3.49B/*2.02A | ---- | 2.13 - 1.45 | .5577 | ---- | ---- | 76 | ---- | 181 + 34 |
| 7400 | 2.93 | 2.93 | 2.93/*2.34A | 2.93/*2.34A | ---- | 2.44 - 1.54 | .6027 | ---- | ---- | 29 | ---- | 125 + 7 |
| 7450 | ---- | ---- | ----/*2.66A | ----/*2.66A | ---- | 2.78 - 1.61 | .6446 | ---- | ---- | ---- | ---- | 147 UNCH |
| 7500 | 3.90 | 3.90 | 3.90/*3.01A | 3.90/*3.01A | ---- | 3.13 - 1.69 | .6848 | ---- | ---- | 6 | ---- | 40 + 4 |
| 7550 | 3.51 | 3.51 | 3.91B/*3.37A | 3.91B/*3.37A | ---- | 3.51 - 1.75 | .7206 | ---- | ---- | 2 | ---- | 90 UNCH |
| 7600 | ---- | ---- | ----/*3.76A | ----/*3.76A | ---- | 3.90 - 1.81 | .7541 | ---- | ---- | ---- | ---- | 66 UNCH |
| 7650 | 4.53 | 4.53 | 4.74B/*4.15A | 4.74B/*4.15A | ---- | 4.31 - 1.86 | .7834 | ---- | ---- | 4 | ---- | 5 + 4 |
| 7700 | ---- | ---- | ----/*4.57A | ----/*4.57A | ---- | 4.73 - 1.91 | .8082 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7750 | ---- | ---- | ----/*4.99A | ----/*4.99A | ---- | 5.16 - 1.95 | .8321 | ---- | ---- | ---- | ---- | 20 UNCH |
| 7800 | ---- | ---- | ----/*5.43A | ----/*5.43A | ---- | 5.61 - 1.98 | .8533 | ---- | ---- | ---- | ---- | 8 UNCH |
| 7850 | ---- | ---- | ----/*5.87A | ----/*5.87A | ---- | 6.06 - 2.01 | .8716 | ---- | ---- | ---- | ---- | 28 UNCH |
| 7900 | ---- | ---- | ----/*6.32A | ----/*6.32A | ---- | 6.52 - 2.04 | .8870 | ---- | ---- | ---- | ---- | 9 UNCH |
| 7950 | 7.23 | 7.23 | 7.48B/*6.78A | 7.48B/*6.78A | ---- | 6.98 - 2.06 | .8993 | ---- | ---- | 1 | ---- | 48 UNCH |
| 8000 | ---- | ---- | ----/*7.25A | ----/*7.25A | ---- | 7.45 - 2.08 | .9111 | ---- | ---- | ---- | ---- | 38 UNCH |
| 8050 | ---- | ---- | ----/*7.71A | ----/*7.71A | ---- | 7.92 - 2.10 | .9225 | ---- | ---- | ---- | ---- | 8 UNCH |
| 8100 | ---- | ---- | ----/*8.19A | ----/*8.19A | ---- | 8.40 - 2.11 | .9308 | ---- | ---- | ---- | ---- | 13 UNCH |
| 8150 | ---- | ---- | ----/*8.66A | ----/*8.66A | ---- | 8.88 - 2.13 | .9389 | ---- | ---- | ---- | ---- | 2 UNCH |
| 8200 | ---- | ---- | ----/*9.14A | ----/*9.14A | ---- | 9.36 - 2.14 | .9467 | ---- | ---- | ---- | ---- | 3 UNCH |
| 8250 | ---- | ---- | ----/*9.62A | ----/*9.62A | ---- | 9.85 - 2.15 | .9513 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8300 | ---- | ---- | ----/*10.11A | ----/*10.11A | ---- | 10.33 - 2.16 | .9588 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8350 | ---- | ---- | ----/*10.66A | ----/*10.66A | ---- | 10.82 - 2.17 | .9631 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8450 | 13.34 | 13.34 | #13.34/*11.54/ | #13.34/*11.54/ | ---- | 11.80 NEW | .9712 | ---- | ---- | 10 | ---- | 2 + 2 |
| 8500 | 13.72 | 13.72 | #13.72/*12.03/ | #13.72/*12.03/ | ---- | 12.29 NEW | .9752 | ---- | ---- | 15 | ---- | 2 + 2 |
| 8550 | 14.21 | 14.21 | #14.33B/*12.5 | #14.33B/*12.5 | ---- | 12.78 NEW | .9790 | ---- | ---- | 15 | ---- | 1 + 1 |
| 8600 | ---- | ---- | ----/*13.11A | ----/*13.11A | ---- | 13.28 - 2.19 | .9796 | ---- | ---- | ---- | ---- | 11 UNCH |
| TOTAL | | | | | | | | | | 46512 | 3340 | 231042 + 8464 |
| SEP18 | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 70 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 27 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 1014 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 6 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 6 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 68 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 6 UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 8 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 4 UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 5 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 9184 UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 262 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 23 UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 223 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 13 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 5 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 809 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 154 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 176 UNCH |
| 3950 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 11 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 9184 UNCH |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 54 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 127 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 222 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 2369 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 288 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 633 UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 462 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 1832 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 306 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 11530 UNCH |
| 4550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0001 | ---- | ---- | ---- | ---- | 2538 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0001 | ---- | ---- | ---- | ---- | 2171 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0001 | ---- | ---- | ---- | ---- | 153 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0002 | ---- | ---- | ---- | ---- | 4530 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0003 | ---- | ---- | ---- | ---- | 1019 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0005 | ---- | ---- | ---- | ---- | 2636 UNCH |
| 4850 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0006 | ---- | ---- | ---- | ---- | 873 UNCH |
| 4900 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 UNCH | .0009 | ---- | ---- | 3 | ---- | 841 - 1 |
| 4950 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.01 UNCH | .0011 | ---- | ---- | 25 | ---- | 568 UNCH |
| 5000 | 0.02 | 0.02 | 0.02/*0.01 | 0.02/*0.01 | ---- | 0.01 UNCH | .0015 | ---- | ---- | 129 | ---- | 26876 + 72 |
| 5050 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.01 UNCH | .0020 | ---- | ---- | 64 | ---- | 802 - 2 |
| 5100 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.01 - 0.01 | .0025 | ---- | ---- | 355 | ---- | 1320 + 17 |
| 5150 | 0.02 | 0.02 | 0.02/0.01 | 0.02/0.01 | ---- | 0.01 - 0.01 | .0033 | ---- | ---- | 22 | ---- | 474 - 10 |
| 5200 | 0.03 | 0.03 | 0.03/*0.01 | 0.03/*0.01 | ---- | 0.02 UNCH | .0060 | ---- | ---- | 84 | ---- | 3766 - 2 |
| 5250 | 0.02 | 0.02 | 0.03/*0.02 | 0.03/*0.02 | ---- | 0.02 UNCH | .0061 | ---- | ---- | 107 | ---- | 2444 - 1 |
| 5300 | 0.03 | 0.03 | 0.03/*0.02 | 0.03/*0.02 | ---- | 0.02 - 0.01 | .0063 | ---- | ---- | 113 | ---- | 4731 - 80 |
| 5350 | 0.03 | 0.03 | 0.04/*0.03 | 0.04/*0.03 | ---- | 0.03 UNCH | .0090 | ---- | ---- | 16 | ---- | 577 + 4 |
| 5400 | 0.04 | 0.04 | 0.04/0.03 | 0.04/0.03 | ---- | 0.03 - 0.01 | .0092 | ---- | ---- | 2262 | ---- | 2958 - 1297 |
| 5450 | 0.05 | 0.05 | 0.05/*0.03 | 0.05/*0.03 | ---- | 0.03 - 0.01 | .0095 | ---- | ---- | 28 | ---- | 602 + 1 |
| 5500 | 0.04 | 0.04 | 0.05/*0.03 | 0.05/*0.03 | ---- | 0.04 - 0.01 | .0122 | ---- | ---- | 692 | ---- | 27137 + 236 |
| 5550 | 0.06 | 0.06 | 0.06/*0.04 | 0.06/*0.04 | ---- | 0.04 - 0.02 | .0126 | ---- | ---- | 309 | ---- | 1187 + 74 |
| 5600 | 0.06 | 0.06 | 0.07/*0.05 | 0.07/*0.05 | ---- | 0.05 - 0.01 | .0154 | ---- | ---- | 77 | ---- | 2771 - 53 |
| 5650 | 0.06 | 0.06 | 0.07/*0.05 | 0.07/*0.05 | ---- | 0.06 - 0.01 | .0183 | ---- | ---- | 216 | ---- | 808 - 1 |
| 5700 | 0.09 | 0.09 | 0.10/*0.06 | 0.10/*0.06 | ---- | 0.06 - 0.02 | .0189 | ---- | ---- | 418 | ---- | 3155 - 110 |
| 5750 | 0.11 | 0.11 | 0.11/*0.07 | 0.11/*0.07 | ---- | 0.07 - 0.03 | .0219 | ---- | ---- | 135 | ---- | 1951 - 19 |
| 5800 | 0.10 | 0.10 | 0.11/*0.08 | 0.11/*0.08 | ---- | 0.08 - 0.03 | .0249 | ---- | ---- | 3497 | ---- | 8100 - 2387 |
| 5850 | 0.12 | 0.12 | 0.12/*0.09 | 0.12/*0.09 | ---- | 0.09 - 0.04 | .0281 | ---- | ---- | 490 | ---- | 2796 - 122 |
| 5900 | 0.14 | 0.14 | 0.14/*0.10 | 0.14/*0.10 | ---- | 0.10 - 0.05 | .0314 | ---- | ---- | 125 | ---- | 2259 - 37 |
| 5950 | 0.15 | 0.15 | 0.15/*0.11 | 0.15/*0.11 | ---- | 0.12 - 0.05 | .0370 | ---- | ---- | 167 | ---- | 997 + 59 |
| 6000 | 0.20 | 0.20 | 0.21/*0.12 | 0.21/*0.12 | ---- | 0.14 - 0.06 | .0427 | ---- | ---- | 2197 | 1000 | 20288 + 84 |
| 6050 | 0.21 | 0.21 | 0.21/*0.15 | 0.21/*0.15 | ---- | 0.16 - 0.07 | .0486 | ---- | ---- | 261 | ---- | 642 + 85 |
| 6100 | 0.26 | 0.26 | 0.28/*0.17 | 0.28/*0.17 | ---- | 0.18 - 0.09 | .0546 | ---- | ---- | 714 | ---- | 3574 + 181 |
| 6150 | 0.33 | 0.33 | 0.33/*0.19 | 0.33/*0.19 | ---- | 0.20 - 0.11 | .0609 | ---- | ---- | 244 | ---- | 1019 + 126 |
| 6200 | 0.35 | 0.35 | 0.37B/*0.22 | 0.37B/*0.22 | ---- | 0.24 - 0.12 | .0713 | ---- | ---- | 453 | ---- | 6387 + 41 |
| 6250 | 0.43 | 0.43 | 0.43/*0.27 | 0.43/*0.27 | ---- | 0.27 - 0.15 | .0799 | ---- | ---- | 290 | ---- | 4510 + 12 |
| 6300 | 0.49 | 0.49 | 0.50/*0.30 | 0.50/*0.30 | ---- | 0.31 - 0.18 | .0907 | ---- | ---- | 1000 | 200 | 3886 + 205 |
| 6350 | 0.50 | 0.50 | 0.57B/*0.34 | 0.57B/*0.34 | ---- | 0.36 - 0.20 | .1035 | ---- | ---- | 348 | ---- | 1168 - 34 |
| 6400 | 0.62 | 0.62 | 0.66B/*0.40 | 0.66B/*0.40 | ---- | 0.42 - 0.23 | .1181 | ---- | ---- | 645 | ---- | 4593 + 123 |
| 6450 | 0.71 | 0.71 | 0.76B/*0.47 | 0.76B/*0.47 | ---- | 0.48 - 0.27 | .1330 | ---- | ---- | 474 | 200 | 2345 + 215 |
| 6500 | 0.85 | 0.85 | 0.88/*0.53 | 0.88/*0.53 | ---- | 0.56 - 0.30 | .1511 | ---- | ---- | 931 | 500 | 15692 + 616 |
| 6550 | 1.02 | 1.02 | 1.02/*0.62A | 1.02/*0.62A | ---- | 0.64 - 0.34 | .1694 | ---- | ---- | 441 | 500 | 2619 + 218 |

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# ENERGY OPTIONS



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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 6600 | 1.12 | 1.12 | 1.14/*0.69 | 1.14/*0.69 | ---- | 0.74 - 0.38 | .1905 | ---- | ---- | 487 | ---- | 3038 + 186 |
| 6650 | 1.07 | 1.07 | 1.29B/*0.81 | 1.29B/*0.81 | ---- | 0.85 - 0.42 | .2129 | ---- | ---- | 566 | ---- | 2465 + 166 |
| 6700 | 1.43 | 1.43 | 1.46B/*0.94 | 1.46B/*0.94 | ---- | 0.97 - 0.47 | .2365 | ---- | ---- | 1301 | 500 | 4546 + 949 |
| 6750 | 1.63 | 1.63 | 1.64B/*1.07 | 1.64B/*1.07 | ---- | 1.10 - 0.52 | .2613 | ---- | ---- | 382 | ---- | 1875 + 9 |
| 6800 | 1.85 | 1.85 | 1.85/*1.20A | 1.85/*1.20A | ---- | 1.25 - 0.57 | .2879 | ---- | ---- | 179 | ---- | 1968 + 38 |
| 6850 | 2.00 | 2.00 | 2.04B/*1.37A | 2.04B/*1.37A | ---- | 1.42 - 0.62 | .3161 | ---- | ---- | 130 | ---- | 1684 + 93 |
| 6900 | 2.22 | 2.22 | 2.27B/*1.54 | 2.27B/*1.54 | ---- | 1.60 - 0.67 | .3448 | ---- | ---- | 437 | 200 | 1769 + 267 |
| 6950 | 2.53 | 2.53 | 2.53/*1.73A | 2.53/*1.73A | ---- | 1.79 - 0.72 | .3742 | ---- | ---- | 62 | ---- | 152 + 37 |
| 7000 | 2.83 | 2.83 | 2.83/*1.93 | 2.83/*1.93 | ---- | 2.00 - 0.78 | .4044 | ---- | ---- | 320 | 250 | 6394 + 84 |
| 7050 | 2.80 | 2.80 | 3.07B/*2.16A | 3.07B/*2.16A | ---- | 2.23 - 0.83 | .4350 | ---- | ---- | 41 | ---- | 1161 + 5 |
| 7100 | 2.98 | 2.98 | 2.98/*2.39A | 2.98/*2.39A | ---- | 2.48 - 0.88 | .4658 | ---- | ---- | 1836 | ---- | 2389 + 1077 |
| 7150 | 2.80 | 2.80 | 3.01B/*2.62 | 3.01B/*2.62 | ---- | 2.74 - 0.94 | .4965 | ---- | ---- | 454 | ---- | 570 + 347 |
| 7200 | 3.26 | 3.26 | 3.29B/*2.93A | 3.29B/*2.93A | ---- | 3.01 - 1.00 | .5271 | ---- | ---- | 27 | ---- | 351 + 19 |
| 7250 | ---- | ---- | ----/*3.21A | ----/*3.21A | ---- | 3.30 - 1.05 | .5573 | ---- | ---- | 5 | ---- | 35 + 5 |
| 7300 | 3.69 | 3.69 | 3.92B/*3.51 | 3.92B/*3.51 | ---- | 3.60 - 1.11 | .5866 | ---- | ---- | 7 | ---- | 168 + 2 |
| 7350 | ---- | ---- | ----/*3.84A | ----/*3.84A | ---- | 3.92 - 1.17 | .6153 | ---- | ---- | ---- | ---- | 207 UNCH |
| 7400 | 4.79 | 4.79 | 4.79/*4.17A | 4.79/*4.17A | ---- | 4.26 - 1.22 | .6434 | ---- | ---- | 4 | ---- | 30 + 2 |
| 7450 | ---- | ---- | ----/*4.51A | ----/*4.51A | ---- | 4.60 - 1.28 | .6701 | ---- | ---- | ---- | ---- | 92 UNCH |
| 7500 | ---- | ---- | ----/*4.88A | ----/*4.88A | ---- | 4.96 - 1.33 | .6958 | ---- | ---- | 2 | ---- | 8 - 2 |
| 7550 | ---- | ---- | ----/*5.25A | ----/*5.25A | ---- | 5.34 - 1.37 | .7196 | ---- | ---- | ---- | ---- | 12 UNCH |
| 7600 | ---- | ---- | ----/*5.63A | ----/*5.63A | ---- | 5.72 - 1.43 | .7432 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7650 | ---- | ---- | ----/*6.02A | ----/*6.02A | ---- | 6.12 - 1.47 | .7644 | ---- | ---- | ---- | ---- | 2 UNCH |
| 7700 | ---- | ---- | ----/*6.43A | ----/*6.43A | ---- | 6.52 - 1.52 | .7842 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7750 | ---- | ---- | ----/*6.84A | ----/*6.84A | ---- | 6.94 - 1.56 | .8038 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8000 | ---- | ---- | ----/9.03A | ----/9.03A | ---- | 9.14 - 1.72 | .8756 | ---- | ---- | ---- | ---- | 151 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 28.74 - 1.98 | .9978 | ---- | ---- | ---- | ---- | 73 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 128.74 - 1.98 | 1.0000 | ---- | ---- | ---- | ---- | 34 UNCH |
| TOTAL | | | | | | | | | | 23572 | 3350 | 246021 + 1497 |
| OCT18 | | | | | | | | | | | | |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 15 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 827 UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 9 UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 40 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 202 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 172 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0001 | ---- | ---- | ---- | ---- | 5 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0001 | ---- | ---- | ---- | ---- | 311 UNCH |
| 3950 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0002 | ---- | ---- | ---- | ---- | 500 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0003 | ---- | ---- | ---- | ---- | 1421 UNCH |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0003 | ---- | ---- | ---- | ---- | 85 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0005 | ---- | ---- | ---- | ---- | 267 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0006 | ---- | ---- | ---- | ---- | 6 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0008 | ---- | ---- | ---- | ---- | 98 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0010 | ---- | ---- | ---- | ---- | 20 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0013 | ---- | ---- | ---- | ---- | 627 UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0016 | ---- | ---- | ---- | ---- | 27 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.01 | .0020 | ---- | ---- | ---- | ---- | 64 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.01 | .0025 | ---- | ---- | ---- | ---- | 58 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0046 | ---- | ---- | 1 | ---- | 3820 - 1 |
| 4550 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0047 | ---- | ---- | ---- | ---- | 283 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0048 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.02 - 0.01 | .0049 | ---- | ---- | ---- | ---- | 26 UNCH |
| 4700 | 0.03 | 0.03 | 0.03/*0.03 | 0.03/*0.03 | ---- | 0.02 - 0.01 | .0051 | ---- | ---- | 15 | ---- | 356 UNCH |
| 4750 | 0.03 | 0.03 | 0.03/*0.03 | 0.03/*0.03 | ---- | 0.03 UNCH | .0072 | ---- | ---- | 2 | ---- | 157 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.03 - 0.01 | .0074 | ---- | ---- | ---- | ---- | 689 UNCH |
| 4850 | 0.04 | 0.04 | 0.04/*0.04 | 0.04/*0.04 | ---- | 0.03 - 0.01 | .0075 | ---- | ---- | 1 | ---- | 96 UNCH |
| 4900 | 0.04 | 0.04 | 0.04/*0.04 | 0.04/*0.04 | ---- | 0.04 - 0.01 | .0097 | ---- | ---- | 46 | ---- | 285 - 23 |
| 4950 | 0.05 | 0.05 | 0.05/*0.05 | 0.05/*0.05 | ---- | 0.04 - 0.01 | .0099 | ---- | ---- | 51 | ---- | 47 - 37 |
| 5000 | 0.06 | 0.06 | 0.06/0.05 | 0.06/0.05 | ---- | 0.05 - 0.01 | .0121 | ---- | ---- | 17 | ---- | 8726 - 14 |
| 5050 | ---- | ---- | ---- | ---- | ---- | 0.05 - 0.01 | .0124 | ---- | ---- | ---- | ---- | 32 UNCH |
| 5100 | 0.06 | 0.06 | 0.07/*0.06 | 0.07/*0.06 | ---- | 0.06 - 0.01 | .0147 | ---- | ---- | 8 | ---- | 368 - 2 |
| 5150 | 0.07 | 0.07 | 0.07/*0.07 | 0.07/*0.07 | ---- | 0.06 - 0.02 | .0151 | ---- | ---- | 1 | ---- | 128 UNCH |
| 5200 | 0.09 | 0.09 | 0.09/*0.07 | 0.09/*0.07 | ---- | 0.07 - 0.02 | .0174 | ---- | ---- | 157 | ---- | 1173 - 1 |
| 5250 | 0.10 | 0.10 | 0.10/*0.08 | 0.10/*0.08 | ---- | 0.08 - 0.02 | .0197 | ---- | ---- | 440 | ---- | 603 + 232 |
| 5300 | 0.11 | 0.11 | 0.11/*0.09 | 0.11/*0.09 | ---- | 0.09 - 0.02 | .0221 | ---- | ---- | 188 | ---- | 1242 - 68 |
| 5350 | 0.12 | 0.12 | 0.12/*0.11A | 0.12/*0.11A | ---- | 0.10 - 0.02 | .0246 | ---- | ---- | 3 | ---- | 483 - 2 |
| 5400 | 0.12 | 0.12 | 0.12/*0.11 | 0.12/*0.11 | ---- | 0.11 - 0.03 | .0271 | ---- | ---- | 4 | ---- | 463 - 3 |
| 5450 | 0.15 | 0.15 | 0.15/*0.13A | 0.15/*0.13A | ---- | 0.12 - 0.03 | .0297 | ---- | ---- | 31 | ---- | 274 + 26 |
| 5500 | 0.16 | 0.16 | 0.17/*0.14 | 0.17/*0.14 | ---- | 0.14 - 0.03 | .0341 | ---- | ---- | 217 | ---- | 7983 - 131 |
| 5550 | 0.16 | 0.16 | 0.16/*0.15 | 0.16/*0.15 | ---- | 0.15 - 0.05 | .0368 | ---- | ---- | 4 | ---- | 158 - 1 |
| 5600 | 0.21 | 0.21 | 0.21/*0.17 | 0.21/*0.17 | ---- | 0.17 - 0.05 | .0414 | ---- | ---- | 20 | ---- | 1016 - 3 |
| 5650 | 0.25 | 0.25 | 0.25/*0.18 | 0.25/*0.18 | ---- | 0.19 - 0.06 | .0460 | ---- | ---- | 267 | ---- | 483 + 224 |
| 5700 | 0.27 | 0.27 | 0.29B/*0.21 | 0.29B/*0.21 | ---- | 0.22 - 0.06 | .0524 | ---- | ---- | 114 | ---- | 671 + 78 |
| 5750 | 0.29 | 0.29 | 0.30/*0.24 | 0.30/*0.24 | ---- | 0.24 - 0.08 | .0573 | ---- | ---- | 133 | ---- | 300 + 49 |
| 5800 | 0.35 | 0.35 | 0.36B/*0.26 | 0.36B/*0.26 | ---- | 0.27 - 0.09 | .0638 | ---- | ---- | 1346 | ---- | 1268 - 265 |
| 5850 | 0.43 | 0.43 | 0.43/*0.31 | 0.43/*0.31 | ---- | 0.31 - 0.09 | .0720 | ---- | ---- | 16 | ---- | 1207 + 2 |
| 5900 | 0.43 | 0.43 | 0.46B/*0.32 | 0.46B/*0.32 | ---- | 0.34 - 0.12 | .0789 | ---- | ---- | 125 | ---- | 1154 + 15 |
| 5950 | 0.48 | 0.48 | 0.52B/*0.38 | 0.52B/*0.38 | ---- | 0.38 - 0.13 | .0874 | ---- | ---- | 7 | ---- | 1262 - 1 |
| 6000 | 0.57 | 0.57 | 0.60/*0.41 | 0.60/*0.41 | ---- | 0.43 - 0.15 | .0974 | ---- | ---- | 494 | ---- | 5684 - 69 |
| 6050 | 0.51 | 0.51 | 0.66B/*0.48 | 0.66B/*0.48 | ---- | 0.49 - 0.16 | .1088 | ---- | ---- | 25 | ---- | 279 + 22 |
| 6100 | 0.70 | 0.70 | 0.74B/*0.54 | 0.74B/*0.54 | ---- | 0.55 - 0.18 | .1203 | ---- | ---- | 69 | ---- | 940 + 19 |
| 6150 | 0.83 | 0.83 | 0.83/*0.61A | 0.83/*0.61A | ---- | 0.61 - 0.20 | .1320 | ---- | ---- | 2 | ---- | 283 UNCH |
| 6200 | 0.89 | 0.89 | 0.93B/*0.67 | 0.93B/*0.67 | ---- | 0.69 - 0.22 | .1462 | ---- | ---- | 69 | ---- | 2963 + 17 |
| 6250 | 0.78 | 0.78 | 1.03B/*0.76 | 1.03B/*0.76 | ---- | 0.77 - 0.24 | .1605 | ---- | ---- | 16 | ---- | 1166 + 12 |
| 6300 | 1.08 | 1.08 | 1.15B/*0.85A | 1.15B/*0.85A | ---- | 0.86 - 0.27 | .1760 | ---- | ---- | 423 | ---- | 1475 + 165 |
| 6350 | 1.15 | 1.15 | 1.28B/*0.94A | 1.28B/*0.94A | ---- | 0.96 - 0.30 | .1926 | ---- | ---- | 47 | ---- | 482 + 29 |
| 6400 | 1.33 | 1.33 | 1.42B/*1.03 | 1.42B/*1.03 | ---- | 1.07 - 0.32 | .2103 | ---- | ---- | 182 | ---- | 1621 - 20 |
| 6450 | 1.44 | 1.44 | 1.57B/*1.16A | 1.57B/*1.16A | ---- | 1.19 - 0.35 | .2289 | ---- | ---- | 66 | ---- | 1065 + 26 |
| 6500 | 1.69 | 1.69 | 1.74/*1.27 | 1.74/*1.27 | ---- | 1.32 - 0.38 | .2484 | ---- | ---- | 575 | ---- | 4484 + 211 |
| 6550 | 1.69 | 1.69 | 1.90B/*1.42 | 1.90B/*1.42 | ---- | 1.46 - 0.41 | .2687 | ---- | ---- | 7 | ---- | 1126 + 1 |
| 6600 | 2.04 | 2.04 | 2.08B/*1.54 | 2.08B/*1.54 | ---- | 1.60 - 0.45 | .2893 | ---- | ---- | 107 | ---- | 4663 + 14 |
| 6650 | 2.27 | 2.27 | 2.28B/*1.72A | 2.28B/*1.72A | ---- | 1.76 - 0.48 | .3111 | ---- | ---- | 48 | ---- | 1047 + 31 |
| 6700 | 2.47 | 2.47 | 2.48B/*1.89A | 2.48B/*1.89A | ---- | 1.94 - 0.51 | .3340 | ---- | ---- | 240 | ---- | 2151 + 41 |
| 6750 | 2.69 | 2.69 | 2.70B/*2.07A | 2.70B/*2.07A | ---- | 2.12 - 0.55 | .3570 | ---- | ---- | 140 | ---- | 199 + 97 |
| 6800 | 2.63 | 2.63 | 2.94B/*2.26A | 2.94B/*2.26A | ---- | 2.32 - 0.59 | .3808 | ---- | ---- | 179 | ---- | 318 + 90 |
| 6850 | 3.10 | 3.10 | 3.19B/*2.46A | 3.19B/*2.46A | ---- | 2.53 - 0.62 | .4050 | ---- | ---- | 101 | ---- | 171 + 22 |
| 6900 | 3.43 | 3.43 | 3.45B/*2.68A | 3.45B/*2.68A | ---- | 2.75 - 0.67 | .4295 | ---- | ---- | 179 | 300 | 633 + 332 |
| 6950 | 3.09 | 3.09 | 3.73B/*2.91A | 3.73B/*2.91A | ---- | 2.98 - 0.71 | .4542 | ---- | ---- | 26 | ---- | 174 + 2 |
| 7000 | 3.94 | 3.94 | 4.02/*3.15 | 4.02/*3.15 | ---- | 3.23 - 0.75 | .4791 | ---- | ---- | 143 | ---- | 779 + 33 |
| 7050 | 3.38 | 3.38 | 4.32B/*3.38 | 4.32B/*3.38 | ---- | 3.49 - 0.80 | .5041 | ---- | ---- | 4 | ---- | 129 + 2 |
| 7100 | ---- | ---- | 4.63B/*3.69A | 4.63B/*3.69A | ---- | 3.77 - 0.84 | .5288 | ---- | ---- | ---- | ---- | 118 UNCH |
| 7150 | ---- | ---- | 4.96B/*3.97A | 4.96B/*3.97A | ---- | 4.05 - 0.89 | .5533 | ---- | ---- | ---- | ---- | 108 UNCH |
| 7200 | 4.80 | 4.80 | 5.30B/4.28A | 5.30B/4.28A | ---- | 4.35 - 0.93 | .5776 | ---- | ---- | 6 | ---- | 32 + 6 |
| 7250 | ---- | ---- | 5.65B/4.59A | 5.65B/4.59A | ---- | 4.67 - 0.97 | .6011 | ---- | ---- | 31 | ---- | 22 + 18 |
| 7300 | ---- | ---- | 6.02B/4.91A | 6.02B/4.91A | ---- | 4.99 - 1.01 | .6246 | ---- | ---- | 5 | ---- | 22 UNCH |
| 7350 | ---- | ---- | 6.39B/5.24A | 6.39B/5.24A | ---- | 5.33 - 1.05 | .6471 | ---- | ---- | ---- | ---- | 11 UNCH |
| 7400 | ---- | ---- | 6.78B/5.58A | 6.78B/5.58A | ---- | 5.67 - 1.10 | .6689 | ---- | ---- | 1 | ---- | 232 + 1 |
| 7450 | ---- | ---- | 7.18B/5.94A | 7.18B/5.94A | ---- | 6.03 - 1.14 | .6900 | ---- | ---- | 4 | ---- | 64 + 4 |
| 7500 | ---- | ---- | ----/6.31A | ----/6.31A | ---- | 6.40 - 1.18 | .7103 | ---- | ---- | ---- | ---- | 34 UNCH |
| 7550 | 7.09 | 7.09 | 7.17B/6.68A | 7.17B/6.68A | ---- | 6.78 - 1.22 | .7298 | ---- | ---- | 4 | ---- | 6 UNCH |
| 7600 | ---- | ---- | ----/7.07A | ----/7.07A | ---- | 7.17 - 1.25 | .7483 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7650 | ---- | ---- | ----/7.46A | ----/7.46A | ---- | 7.57 - 1.29 | .7658 | ---- | ---- | ---- | ---- | 176 UNCH |
| 7700 | ---- | ---- | ----/7.86A | ----/7.86A | ---- | 7.98 - 1.32 | .7822 | ---- | ---- | ---- | ---- | 5 UNCH |
| 7750 | ---- | ---- | ----/8.27A | ----/8.27A | ---- | 8.39 - 1.36 | .7973 | ---- | ---- | ---- | ---- | 4 UNCH |
| 7800 | ---- | ---- | ----/8.69A | ----/8.69A | ---- | 8.82 - 1.38 | .8123 | ---- | ---- | ---- | ---- | 5 UNCH |
| 8000 | ---- | ---- | ----/*10.44A | ----/*10.44A | ---- | 10.57 - 1.50 | .8613 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8050 | ---- | ---- | ----/10.91A | ----/10.91A | ---- | 11.02 - 1.52 | .8705 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8600 | ---- | ---- | ----/*16.09A | ----/*16.09A | ---- | 16.20 - 1.69 | .9430 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8650 | ---- | ---- | ----/*16.57A | ----/*16.57A | ---- | 16.69 - 1.69 | .9478 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | 6407 | 300 | 72421 + 1180 |
| NOV18 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 1 UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | | |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 63 | UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0003 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0004 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0006 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0007 | ---- | ---- | ---- | ---- | 129 | UNCH |
| 3750 | 0.01 | 0.01 | 0.01/0.01 | 0.01/0.01 | ---- | 0.01 | UNCH | .0009 | ---- | ---- | 2 | ---- | 44 | UNCH |
| 3800 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.01 | UNCH | .0011 | ---- | ---- | 3 | ---- | 77 | UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0014 | ---- | ---- | ---- | ---- | 220 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0017 | ---- | ---- | ---- | ---- | 59 | UNCH |
| 3950 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0021 | ---- | ---- | ---- | ---- | 87 | UNCH |
| 4000 | 0.01 | 0.01 | 0.01/*0.01 | 0.01/*0.01 | ---- | 0.02 | UNCH | .0039 | ---- | ---- | 3 | ---- | 663 | - 3 |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0040 | ---- | ---- | ---- | ---- | 76 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0040 | ---- | ---- | ---- | ---- | 201 | UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0041 | ---- | ---- | ---- | ---- | 95 | UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0042 | ---- | ---- | ---- | ---- | 113 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0043 | ---- | ---- | ---- | ---- | 48 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .0061 | ---- | ---- | 1 | ---- | 25 | - 1 |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0062 | ---- | ---- | ---- | ---- | 43 | UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0064 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 4450 | ---- | ---- | ----/*0.04A | ----/*0.04A | ---- | 0.04 | - 0.01 | .0082 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 4500 | 0.05 | 0.05 | 0.05/*0.04 | 0.05/*0.04 | ---- | 0.04 | - 0.01 | .0084 | ---- | ---- | 9 | ---- | 1226 | - 1 |
| 4550 | 0.05 | 0.05 | 0.05/*0.05 | 0.05/*0.05 | ---- | 0.05 | - 0.01 | .0102 | ---- | ---- | 20 | ---- | 174 | + 12 |
| 4600 | 0.06 | 0.06 | 0.06/*0.05 | 0.06/*0.05 | ---- | 0.05 | - 0.01 | .0104 | ---- | ---- | 10 | ---- | 143 | UNCH |
| 4650 | 0.06 | 0.06 | 0.06/*0.06 | 0.06/*0.06 | ---- | 0.05 | - 0.02 | .0107 | ---- | ---- | 1 | ---- | 8 | - 1 |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.01 | .0126 | ---- | ---- | ---- | ---- | 276 | UNCH |
| 4750 | ---- | ---- | ----/*0.07A | ----/*0.07A | ---- | 0.07 | - 0.01 | .0145 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 4800 | 0.08 | 0.08 | 0.08/*0.08 | 0.08/*0.08 | ---- | 0.07 | - 0.02 | .0148 | ---- | ---- | 2 | ---- | 228 | - 2 |
| 4850 | ---- | ---- | ----/*0.09A | ----/*0.09A | ---- | 0.08 | - 0.02 | .0168 | ---- | ---- | ---- | ---- | 253 | UNCH |
| 4900 | 0.11 | 0.11 | 0.11/0.10 | 0.11/0.10 | ---- | 0.09 | - 0.02 | .0188 | ---- | ---- | 3 | ---- | 211 | + 2 |
| 4950 | ---- | ---- | ----/*0.11A | ----/*0.11A | ---- | 0.10 | - 0.02 | .0208 | ---- | ---- | ---- | ---- | 131 | UNCH |
| 5000 | 0.13 | 0.13 | 0.13/*0.11 | 0.13/*0.11 | ---- | 0.11 | - 0.02 | .0229 | ---- | ---- | 55 | ---- | 2072 | - 1 |
| 5050 | ---- | ---- | ----/*0.13A | ----/*0.13A | ---- | 0.12 | - 0.03 | .0250 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 5100 | 0.14 | 0.14 | 0.14/*0.14 | 0.14/*0.14 | ---- | 0.13 | - 0.03 | .0272 | ---- | ---- | 2 | ---- | 269 | - 2 |
| 5150 | ---- | ---- | ----/*0.15A | ----/*0.15A | ---- | 0.15 | - 0.03 | .0309 | ---- | ---- | ---- | ---- | 87 | UNCH |
| 5200 | 0.19 | 0.19 | 0.19/*0.17 | 0.19/*0.17 | ---- | 0.16 | - 0.04 | .0332 | ---- | ---- | 10 | ---- | 796 | - 2 |
| 5250 | ---- | ---- | ----/*0.18A | ----/*0.18A | ---- | 0.18 | - 0.04 | .0370 | ---- | ---- | ---- | ---- | 239 | UNCH |
| 5300 | 0.19 | 0.19 | 0.21B/*0.19 | 0.21B/*0.19 | ---- | 0.20 | - 0.04 | .0408 | ---- | ---- | 6 | ---- | 214 | + 2 |
| 5350 | 0.24 | 0.24 | 0.24/*0.22A | 0.24/*0.22A | ---- | 0.22 | - 0.05 | .0448 | ---- | ---- | 1 | ---- | 139 | - 1 |
| 5400 | 0.29 | 0.29 | 0.29/*0.24 | 0.29/*0.24 | ---- | 0.24 | - 0.06 | .0488 | ---- | ---- | 16 | ---- | 388 | - 1 |
| 5450 | 0.29 | 0.29 | 0.29/*0.26 | 0.29/*0.26 | ---- | 0.27 | - 0.06 | .0542 | ---- | ---- | 67 | ---- | 378 | - 7 |
| 5500 | 0.36 | 0.36 | 0.36/*0.29A | 0.36/*0.29A | ---- | 0.30 | - 0.07 | .0597 | ---- | ---- | 313 | ---- | 2423 | + 303 |
| 5550 | 0.40 | 0.40 | 0.41B/*0.33 | 0.41B/*0.33 | ---- | 0.33 | - 0.08 | .0653 | ---- | ---- | 4 | ---- | 72 | - 2 |
| 5600 | 0.46 | 0.46 | 0.46/*0.36A | 0.46/*0.36A | ---- | 0.36 | - 0.09 | .0711 | ---- | ---- | 12 | ---- | 318 | + 5 |
| 5650 | 0.49 | 0.49 | 0.51B/*0.40A | 0.51B/*0.40A | ---- | 0.40 | - 0.10 | .0781 | ---- | ---- | 12 | ---- | 85 | + 8 |
| 5700 | 0.54 | 0.54 | 0.57B/*0.44A | 0.57B/*0.44A | ---- | 0.45 | - 0.11 | .0865 | ---- | ---- | 15 | ---- | 535 | + 9 |
| 5750 | 0.60 | 0.60 | 0.63B/*0.49A | 0.63B/*0.49A | ---- | 0.50 | - 0.12 | .0949 | ---- | ---- | 114 | ---- | 372 | + 112 |
| 5800 | 0.65 | 0.65 | 0.70B/*0.54A | 0.70B/*0.54A | ---- | 0.55 | - 0.13 | .1034 | ---- | ---- | 745 | ---- | 1068 | + 663 |
| 5850 | 0.60 | 0.60 | 0.77B/*0.60 | 0.77B/*0.60 | ---- | 0.61 | - 0.14 | .1131 | ---- | ---- | 25 | ---- | 327 | + 24 |
| 5900 | 0.81 | 0.81 | 0.85B/*0.65 | 0.85B/*0.65 | ---- | 0.67 | - 0.16 | .1230 | ---- | ---- | 411 | ---- | 900 | + 376 |
| 5950 | ---- | ---- | 0.94B/*0.73A | 0.94B/*0.73A | ---- | 0.74 | - 0.18 | .1339 | ---- | ---- | 1 | ---- | 76 | UNCH |
| 6000 | 0.99 | 0.99 | 1.04B/*0.79 | 1.04B/*0.79 | ---- | 0.82 | - 0.19 | .1459 | ---- | ---- | 378 | ---- | 2502 | + 3 |
| 6050 | ---- | ---- | 1.14B/*0.89A | 1.14B/*0.89A | ---- | 0.90 | - 0.21 | .1581 | ---- | ---- | 164 | ---- | 246 | + 164 |
| 6100 | 1.18 | 1.18 | 1.25B/*0.96 | 1.25B/*0.96 | ---- | 0.99 | - 0.23 | .1712 | ---- | ---- | 109 | ---- | 2133 | - 97 |
| 6150 | 1.09 | 1.09 | 1.36B/*1.07A | 1.36B/*1.07A | ---- | 1.09 | - 0.24 | .1852 | ---- | ---- | 1 | ---- | 104 | + 1 |
| 6200 | 1.30 | 1.30 | 1.49B/*1.16 | 1.49B/*1.16 | ---- | 1.19 | - 0.27 | .1994 | ---- | ---- | 127 | ---- | 500 | + 1 |
| 6250 | ---- | ---- | 1.62B/*1.28A | 1.62B/*1.28A | ---- | 1.31 | - 0.28 | .2151 | ---- | ---- | ---- | ---- | 73 | UNCH |
| 6300 | ---- | ---- | 1.77B/*1.40A | 1.77B/*1.40A | ---- | 1.43 | - 0.30 | .2310 | ---- | ---- | 8 | ---- | 590 | UNCH |
| 6350 | ---- | ---- | 1.92B/*1.52A | 1.92B/*1.52A | ---- | 1.56 | - 0.32 | .2476 | ---- | ---- | ---- | ---- | 135 | UNCH |
| 6400 | 1.88 | 1.88 | 2.08B/*1.66 | 2.08B/*1.66 | ---- | 1.70 | - 0.34 | .2649 | ---- | ---- | 84 | ---- | 460 | + 49 |
| 6450 | ---- | ---- | 2.25B/*1.80A | 2.25B/*1.80A | ---- | 1.85 | - 0.36 | .2828 | ---- | ---- | 8 | ---- | 844 | - 6 |
| 6500 | 2.43 | 2.43 | 2.43/*1.95 | 2.43/*1.95 | ---- | 2.00 | - 0.39 | .3009 | ---- | ---- | 222 | ---- | 6236 | + 148 |
| 6550 | 2.18 | 2.18 | 2.63B/*2.12A | 2.63B/*2.12A | ---- | 2.17 | - 0.42 | .3200 | ---- | ---- | 344 | ---- | 429 | + 322 |
| 6600 | ---- | ---- | 2.83B/*2.29A | 2.83B/*2.29A | ---- | 2.35 | - 0.44 | .3395 | ---- | ---- | 4 | ---- | 364 | + 4 |
| 6650 | 2.68 | 2.68 | 3.05B/*2.47A | 3.05B/*2.47A | ---- | 2.53 | - 0.47 | .3592 | ---- | ---- | 1 | ---- | 293 | + 1 |
| 6700 | ---- | ---- | 3.27B/*2.66A | 3.27B/*2.66A | ---- | 2.73 | - 0.50 | .3796 | ---- | ---- | ---- | ---- | 643 | UNCH |
| 6750 | 3.49 | 3.49 | 3.51B/*2.86A | 3.51B/*2.86A | ---- | 2.94 | - 0.53 | .4003 | ---- | ---- | 3 | ---- | 203 | UNCH |
| 6800 | 3.08 | 3.08 | 3.76B/*3.07 | 3.76B/*3.07 | ---- | 3.15 | - 0.57 | .4211 | ---- | ---- | 13 | ---- | 35 | + 5 |
| 6850 | ---- | ---- | 4.02B/*3.30A | 4.02B/*3.30A | ---- | 3.38 | - 0.60 | .4423 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 6900 | 3.65 | 3.65 | 4.29B/*3.53A | 4.29B/*3.53A | ---- | 3.62 | - 0.63 | .4637 | ---- | ---- | 200 | ---- | 355 | + 132 |
| 6950 | ---- | ---- | 4.58B/*3.78A | 4.58B/*3.78A | ---- | 3.88 | - 0.65 | .4851 | ---- | ---- | 464 | ---- | 568 | + 409 |
| 7000 | 4.76 | 4.76 | 4.87B/4.04A | 4.87B/4.04A | ---- | 4.14 | - 0.69 | .5066 | ---- | ---- | 8 | ---- | 119 | + 8 |
| 7050 | ---- | ---- | 5.18B/4.31A | 5.18B/4.31A | ---- | 4.41 | - 0.73 | .5278 | ---- | ---- | ---- | ---- | 108 | UNCH |
| 7100 | ---- | ---- | 5.49B/4.59A | 5.49B/4.59A | ---- | 4.70 | - 0.76 | .5489 | ---- | ---- | ---- | ---- | 334 | UNCH |
| 7150 | 5.25 | 5.25 | 5.83B/4.89A | 5.83B/4.89A | ---- | 5.00 | - 0.79 | .5698 | ---- | ---- | 1 | ---- | 81 | + 1 |
| 7200 | ---- | ---- | 6.17B/5.20A | 6.17B/5.20A | ---- | 5.30 | - 0.83 | .5904 | ---- | ---- | 1 | ---- | 30 | - 1 |
| 7250 | 6.26 | 6.26 | 6.52B/5.51A | 6.52B/5.51A | ---- | 5.62 | - 0.86 | .6112 | ---- | ---- | 1 | ---- | 7 | + 1 |
| 7300 | 5.84 | 5.84 | 6.88B/5.83A | 6.88B/5.83A | ---- | 5.94 | - 0.91 | .6311 | ---- | ---- | 1 | ---- | 119 | + 1 |
| 7350 | ---- | ---- | 7.25B/6.17A | 7.25B/6.17A | ---- | 6.28 | - 0.94 | .6506 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 7400 | ---- | ---- | 7.63B/6.51A | 7.63B/6.51A | ---- | 6.63 | - 0.97 | .6696 | ---- | ---- | ---- | ---- | 83 | UNCH |
| 7450 | ---- | ---- | 8.02B/6.86A | 8.02B/6.86A | ---- | 6.98 | - 1.01 | .6880 | ---- | ---- | ---- | ---- | 57 | UNCH |
| 7500 | ---- | ---- | 8.42B/7.23A | 8.42B/7.23A | ---- | 7.35 | - 1.04 | .7057 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 7550 | ---- | ---- | 8.82B/7.60A | 8.82B/7.60A | ---- | 7.73 | - 1.06 | .7226 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 7600 | ---- | ---- | 9.24B/7.98A | 9.24B/7.98A | ---- | 8.11 | - 1.10 | .7388 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 7650 | ---- | ---- | 9.66B/8.37A | 9.66B/8.37A | ---- | 8.51 | - 1.12 | .7549 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7700 | ---- | ---- | 10.09B/8.77A | 10.09B/8.77A | ---- | 8.91 | - 1.15 | .7692 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7800 | 10.63 | 10.63 | 10.96B/9.58A | 10.96B/9.58A | ---- | 9.74 | - 1.20 | .7966 | ---- | ---- | 1 | ---- | 9 | + 1 |
| 7850 | ---- | ---- | 11.41B/10.00A | 11.41B/10.00A | ---- | 10.16 | - 1.23 | .8098 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 7900 | ---- | ---- | 11.86B/10.43A | 11.86B/10.43A | ---- | 10.58 | - 1.26 | .8218 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 8200 | ---- | ---- | 14.65B/*13.09 | 14.65B/*13.09 | ---- | 13.26 | - 1.38 | .8806 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 8350 | ---- | ---- | ----/14.48A | ----/14.48A | ---- | 14.65 | - 1.43 | .9011 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 8450 | ---- | ---- | ----/15.41A | ----/15.41A | ---- | 15.59 | - 1.45 | .9119 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | 4006 | | 33635 | + 2639 |
| DEC18 | | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 3 | UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 641 | UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 68 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 956 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 242 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 82 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 5674 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0001 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 1027 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0002 | ---- | ---- | ---- | ---- | 119 | UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0003 | ---- | ---- | ---- | ---- | 1415 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0004 | ---- | ---- | ---- | ---- | 241 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0005 | ---- | ---- | ---- | ---- | 558 | UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0007 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0008 | ---- | ---- | ---- | ---- | 474 | UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0010 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0013 | ---- | ---- | ---- | ---- | 22189 | UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0016 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0019 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0035 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0035 | ---- | ---- | ---- | ---- | 253 | UNCH |
| 3750 | 0.03 | 0.03 | 0.03/*0.03 | 0.03/*0.03 | ---- | 0.02 | UNCH | .0036 | ---- | ---- | 1 | ---- | 2115 | + 1 |
| 3800 | 0.03 | 0.03 | 0.03/0.03 | 0.03/0.03 | ---- | 0.02 | - 0.01 | .0037 | ---- | ---- | 1 | ---- | 1440 | UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0037 | ---- | ---- | ---- | ---- | 62 | UNCH |
| 3900 | 0.03 | 0.03 | 0.03/*0.03 | 0.03/*0.03 | ---- | 0.03 | UNCH | .0053 | ---- | ---- | 20 | ---- | 1257 | - 6 |
| 3950 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0054 | ---- | ---- | ---- | ---- | 915 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.01 | .0055 | ---- | ---- | 1 | ---- | 24993 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.03 - 0.01 | .0057 | ---- | ---- | ---- | ---- | 103 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0073 | ---- | ---- | ---- | ---- | 1722 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0074 | ---- | ---- | 1 | ---- | 381 UNCH |
| 4200 | 0.05 | 0.05 | 0.06/*0.05 | 0.06/*0.05 | ---- | 0.05 - 0.01 | .0090 | ---- | ---- | 177 | ---- | 5997 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.05 - 0.01 | .0092 | ---- | ---- | ---- | ---- | 670 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.06 - 0.01 | .0108 | ---- | ---- | 1 | ---- | 3540 UNCH |
| 4350 | 0.08 | 0.08 | 0.08/*0.07A | 0.08/*0.07A | ---- | 0.06 - 0.02 | .0111 | ---- | ---- | 2 | ---- | 559 UNCH |
| 4400 | 0.09 | 0.09 | 0.09/*0.07 | 0.09/*0.07 | ---- | 0.07 - 0.01 | .0127 | ---- | ---- | 15 | ---- | 1816 - 14 |
| 4450 | 0.08 | 0.08 | 0.08/*0.08 | 0.08/*0.08 | ---- | 0.07 - 0.02 | .0130 | ---- | ---- | 3 | ---- | 518 UNCH |
| 4500 | 0.11 | 0.11 | 0.11/*0.08 | 0.11/*0.08 | ---- | 0.08 - 0.02 | .0147 | ---- | ---- | 2424 | ---- | 25853 + 53 |
| 4550 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.09 - 0.02 | .0165 | ---- | ---- | 2 | ---- | 2238 UNCH |
| 4600 | 0.12 | 0.12 | 0.12/*0.10 | 0.12/*0.10 | ---- | 0.10 - 0.02 | .0182 | ---- | ---- | 4 | ---- | 1641 - 3 |
| 4650 | ---- | ---- | ----/*0.12A | ----/*0.12A | ---- | 0.11 - 0.02 | .0200 | ---- | ---- | ---- | ---- | 88 UNCH |
| 4700 | 0.13 | 0.13 | 0.13/*0.12 | 0.13/*0.12 | ---- | 0.12 - 0.02 | .0218 | ---- | ---- | 16 | ---- | 3419 - 9 |
| 4750 | ---- | ---- | ----/*0.14A | ----/*0.14A | ---- | 0.13 - 0.02 | .0236 | ---- | ---- | ---- | ---- | 1292 UNCH |
| 4800 | 0.15 | 0.15 | 0.15/*0.15 | 0.15/*0.15 | ---- | 0.14 - 0.02 | .0255 | ---- | ---- | 206 | 400 | 5527 + 384 |
| 4850 | 0.18 | 0.18 | 0.18/*0.16A | 0.18/*0.16A | ---- | 0.15 - 0.03 | .0275 | ---- | ---- | 31 | ---- | 1193 UNCH |
| 4900 | 0.19 | 0.19 | 0.19/*0.16 | 0.19/*0.16 | ---- | 0.16 - 0.04 | .0294 | ---- | ---- | 5 | ---- | 2150 UNCH |
| 4950 | ---- | ---- | ----/*0.19A | ----/*0.19A | ---- | 0.18 - 0.04 | .0328 | ---- | ---- | ---- | ---- | 281 UNCH |
| 5000 | 0.22 | 0.22 | 0.23/*0.19 | 0.23/*0.19 | ---- | 0.20 - 0.04 | .0361 | ---- | ---- | 900 | 400 | 39479 + 232 |
| 5050 | 0.21 | 0.21 | 0.22B/*0.21 | 0.22B/*0.21 | ---- | 0.22 - 0.04 | .0396 | ---- | ---- | 7 | ---- | 1614 + 2 |
| 5100 | 0.27 | 0.27 | 0.27/*0.24 | 0.27/*0.24 | ---- | 0.24 - 0.05 | .0430 | ---- | ---- | 129 | ---- | 4119 - 24 |
| 5150 | 0.30 | 0.30 | 0.30/*0.25 | 0.30/*0.25 | ---- | 0.26 - 0.05 | .0466 | ---- | ---- | 8 | ---- | 972 + 3 |
| 5200 | 0.32 | 0.32 | 0.33/*0.27 | 0.33/*0.27 | ---- | 0.29 - 0.05 | .0514 | ---- | ---- | 1362 | ---- | 4038 + 577 |
| 5250 | 0.39 | 0.39 | 0.39/*0.31 | 0.39/*0.31 | ---- | 0.32 - 0.06 | .0562 | ---- | ---- | 26 | ---- | 1280 + 12 |
| 5300 | 0.41 | 0.41 | 0.41/*0.33 | 0.41/*0.33 | ---- | 0.35 - 0.06 | .0611 | ---- | ---- | 34 | ---- | 2184 + 18 |
| 5350 | 0.45 | 0.45 | 0.46B/*0.38A | 0.46B/*0.38A | ---- | 0.38 - 0.07 | .0661 | ---- | ---- | 3 | ---- | 1100 UNCH |
| 5400 | 0.51 | 0.51 | 0.51/*0.42A | 0.51/*0.42A | ---- | 0.42 - 0.08 | .0723 | ---- | ---- | 28 | ---- | 2050 - 1 |
| 5450 | 0.47 | 0.47 | 0.50B/*0.46A | 0.50B/*0.46A | ---- | 0.46 - 0.09 | .0786 | ---- | ---- | 4 | ---- | 612 + 3 |
| 5500 | 0.66 | 0.66 | 0.66/*0.50 | 0.66/*0.50 | ---- | 0.51 - 0.09 | .0859 | ---- | ---- | 1462 | 800 | 20516 + 213 |
| 5550 | 0.66 | 0.66 | 0.67B/*0.55 | 0.67B/*0.55 | ---- | 0.56 - 0.10 | .0934 | ---- | ---- | 123 | ---- | 1751 + 21 |
| 5600 | 0.74 | 0.74 | 0.74/*0.60 | 0.74/*0.60 | ---- | 0.62 - 0.10 | .1018 | ---- | ---- | 17 | ---- | 5087 + 3 |
| 5650 | ---- | ---- | ----/*0.66A | ----/*0.66A | ---- | 0.68 - 0.12 | .1104 | ---- | ---- | ---- | ---- | 2807 UNCH |
| 5700 | ---- | ---- | 0.88B/*0.72A | 0.88B/*0.72A | ---- | 0.74 - 0.13 | .1190 | ---- | ---- | 217 | ---- | 3898 - 102 |
| 5750 | 0.84 | 0.84 | 0.96B/*0.79A | 0.96B/*0.79A | ---- | 0.81 - 0.14 | .1286 | ---- | ---- | 127 | ---- | 2992 - 124 |
| 5800 | 1.01 | 1.01 | 1.05B/*0.86 | 1.05B/*0.86 | ---- | 0.89 - 0.15 | .1391 | ---- | ---- | 19 | ---- | 3389 + 1 |
| 5850 | ---- | ---- | 1.15B/*0.94A | 1.15B/*0.94A | ---- | 0.97 - 0.16 | .1497 | ---- | ---- | ---- | ---- | 2534 UNCH |
| 5900 | 1.05 | 1.05 | 1.25B/*1.03 | 1.25B/*1.03 | ---- | 1.05 - 0.18 | .1605 | ---- | ---- | 16 | ---- | 1765 - 8 |
| 5950 | ---- | ---- | 1.36B/*1.12A | 1.36B/*1.12A | ---- | 1.15 - 0.19 | .1728 | ---- | ---- | ---- | ---- | 1055 UNCH |
| 6000 | 1.46 | 1.46 | 1.47B/*1.20 | 1.47B/*1.20 | ---- | 1.25 - 0.20 | .1851 | ---- | ---- | 1745 | 900 | 23211 + 750 |
| 6050 | ---- | ---- | 1.59B/*1.32A | 1.59B/*1.32A | ---- | 1.35 - 0.22 | .1976 | ---- | ---- | ---- | ---- | 664 UNCH |
| 6100 | 1.45 | 1.45 | 1.72B/*1.43A | 1.72B/*1.43A | ---- | 1.47 - 0.23 | .2115 | ---- | ---- | 1 | ---- | 1193 UNCH |
| 6150 | ---- | ---- | 1.86B/*1.55A | 1.86B/*1.55A | ---- | 1.59 - 0.24 | .2254 | ---- | ---- | ---- | ---- | 606 UNCH |
| 6200 | 1.94 | 1.94 | 2.00B/*1.67A | 2.00B/*1.67A | ---- | 1.71 - 0.27 | .2395 | ---- | ---- | 408 | ---- | 2193 - 67 |
| 6250 | 2.07 | 2.07 | 2.16B/*1.80A | 2.16B/*1.80A | ---- | 1.85 - 0.28 | .2547 | ---- | ---- | 2 | ---- | 545 - 1 |
| 6300 | 2.30 | 2.30 | 2.32B/*1.94A | 2.32B/*1.94A | ---- | 1.99 - 0.30 | .2701 | ---- | ---- | 27 | ---- | 3799 UNCH |
| 6350 | 2.12 | 2.12 | 2.49B/*2.08 | 2.49B/*2.08 | ---- | 2.15 - 0.30 | .2863 | ---- | ---- | 50 | ---- | 1649 - 4 |
| 6400 | 2.55 | 2.55 | 2.67B/*2.24 | 2.67B/*2.24 | ---- | 2.30 - 0.33 | .3024 | ---- | ---- | 14 | ---- | 2382 UNCH |
| 6450 | ---- | ---- | 2.85B/*2.40A | 2.85B/*2.40A | ---- | 2.47 - 0.35 | .3193 | ---- | ---- | ---- | ---- | 276 UNCH |
| 6500 | 2.89 | 2.89 | 3.05B/*2.56 | 3.05B/*2.56 | ---- | 2.65 - 0.36 | .3366 | ---- | ---- | 1186 | ---- | 8431 + 472 |
| 6550 | ---- | ---- | 3.26B/*2.75A | 3.26B/*2.75A | ---- | 2.84 - 0.37 | .3542 | ---- | ---- | 50 | ---- | 683 + 50 |
| 6600 | 3.23 | 3.23 | 3.48B/*2.94A | 3.48B/*2.94A | ---- | 3.03 - 0.40 | .3721 | ---- | ---- | 305 | 2000 | 5001 - 714 |
| 6650 | ---- | ---- | 3.70B/*3.14A | 3.70B/*3.14A | ---- | 3.23 - 0.42 | .3902 | ---- | ---- | 7 | ---- | 328 UNCH |
| 6700 | 3.85 | 3.85 | 3.94B/*3.35A | 3.94B/*3.35A | ---- | 3.44 - 0.45 | .4087 | ---- | ---- | 7 | ---- | 1543 - 1 |
| 6750 | 4.00 | 4.00 | 4.18B/*3.56A | 4.18B/*3.56A | ---- | 3.65 - 0.48 | .4274 | ---- | ---- | 35 | ---- | 460 + 33 |
| 6800 | 4.25 | 4.25 | 4.44B/*3.77 | 4.44B/*3.77 | ---- | 3.88 - 0.51 | .4463 | ---- | ---- | 112 | ---- | 530 + 19 |
| 6850 | ---- | ---- | 4.71B/4.02A | 4.71B/4.02A | ---- | 4.12 - 0.54 | .4654 | ---- | ---- | 15 | ---- | 252 + 10 |
| 6900 | 4.64 | 4.64 | 4.99B/4.27A | 4.99B/4.27A | ---- | 4.37 - 0.56 | .4845 | ---- | ---- | 25 | ---- | 1014 - 16 |
| 6950 | ---- | ---- | 5.28B/4.52A | 5.28B/4.52A | ---- | 4.64 - 0.58 | .5037 | ---- | ---- | ---- | ---- | 514 UNCH |
| 7000 | 5.40 | 5.40 | 5.57B/4.79A | 5.57B/4.79A | ---- | 4.91 - 0.61 | .5228 | ---- | ---- | 141 | ---- | 1467 + 6 |
| 7050 | ---- | ---- | 5.88B/5.06A | 5.88B/5.06A | ---- | 5.19 - 0.64 | .5416 | ---- | ---- | 1 | ---- | 167 - 1 |
| 7100 | ---- | ---- | 6.20B/5.35A | 6.20B/5.35A | ---- | 5.49 - 0.66 | .5606 | ---- | ---- | ---- | ---- | 577 UNCH |
| 7150 | ---- | ---- | 6.53B/5.65A | 6.53B/5.65A | ---- | 5.79 - 0.69 | .5791 | ---- | ---- | ---- | ---- | 61 UNCH |
| 7200 | ---- | ---- | 6.87B/5.97A | 6.87B/5.97A | ---- | 6.10 - 0.72 | .5976 | ---- | ---- | 1 | ---- | 35 UNCH |
| 7250 | ---- | ---- | 7.21B/6.29A | 7.21B/6.29A | ---- | 6.42 - 0.74 | .6154 | ---- | ---- | ---- | ---- | 20 UNCH |
| 7300 | ---- | ---- | 7.57B/6.61A | 7.57B/6.61A | ---- | 6.75 - 0.77 | .6333 | ---- | ---- | ---- | ---- | 48 UNCH |
| 7350 | ---- | ---- | 7.94B/6.94A | 7.94B/6.94A | ---- | 7.09 - 0.80 | .6508 | ---- | ---- | ---- | ---- | 12 UNCH |
| 7400 | ---- | ---- | 8.31B/7.28A | 8.31B/7.28A | ---- | 7.44 - 0.82 | .6678 | ---- | ---- | ---- | ---- | 46 UNCH |
| 7450 | ---- | ---- | 8.70B/7.63A | 8.70B/7.63A | ---- | 7.79 - 0.86 | .6843 | ---- | ---- | ---- | ---- | 15 UNCH |
| 7500 | ---- | ---- | 9.09B/7.99A | 9.09B/7.99A | ---- | 8.16 - 0.88 | .7002 | ---- | ---- | ---- | ---- | 857 UNCH |
| 7550 | ---- | ---- | 9.49B/8.36A | 9.49B/8.36A | ---- | 8.53 - 0.90 | .7161 | ---- | ---- | ---- | ---- | 24 UNCH |
| 7600 | ---- | ---- | 9.89B/8.74A | 9.89B/8.74A | ---- | 8.91 - 0.93 | .7314 | ---- | ---- | ---- | ---- | 5 UNCH |
| 7650 | 10.00 | 10.00 | #10.11B/*9.12/ | #10.11B/*9.12/ | ---- | 9.30 NEW | .7451 | ---- | ---- | 1 | ---- | 1 + 1 |
| 7700 | ---- | ---- | 10.73B/9.51A | 10.73B/9.51A | ---- | 9.69 - 0.98 | .7597 | ---- | ---- | ---- | ---- | 25 UNCH |
| 7750 | ---- | ---- | 11.14B/9.91A | 11.14B/9.91A | ---- | 10.09 - 1.00 | .7726 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7850 | ---- | ---- | 12.01B/10.74A | 12.01B/10.74A | ---- | 10.92 - 1.04 | .7983 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7900 | ---- | ---- | 12.46B/11.14A | 12.46B/11.14A | ---- | 11.34 - 1.06 | .8092 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7950 | ---- | ---- | 12.90B/11.58A | 12.90B/11.58A | ---- | 11.76 - 1.09 | .8212 | ---- | ---- | ---- | ---- | 2 UNCH |
| 8000 | ---- | ---- | 13.35B/12.00A | 13.35B/12.00A | ---- | 12.20 - 1.11 | .8310 | ---- | ---- | ---- | ---- | 885 UNCH |
| 8100 | ---- | ---- | 14.28B/12.87A | 14.28B/12.87A | ---- | 13.07 - 1.16 | .8505 | ---- | ---- | ---- | ---- | 3 UNCH |
| 8200 | 13.85 | 13.85 | 15.21B/13.77A | 15.21B/13.77A | ---- | 13.97 - 1.19 | .8676 | ---- | ---- | 1 | ---- | 1 - 1 |
| 8300 | ---- | ---- | 16.16B/14.68A | 16.16B/14.68A | ---- | 14.88 - 1.22 | .8820 | ---- | ---- | ---- | ---- | 100 UNCH |
| 8400 | ---- | ---- | 17.11B/*15.60/ | 17.11B/*15.60/ | ---- | 15.81 - 1.24 | .8949 | ---- | ---- | ---- | ---- | 1004 UNCH |
| 10000 | ---- | ---- | ----/*32.58A | ----/*32.58A | ---- | 31.40 - 1.43 | .9774 | ---- | ---- | ---- | ---- | 1174 UNCH |
| TOTAL | | | | | | | | | | 11526 | 4500 | 289437 + 1768 |
| JAN19 | | | | | | | | | | | | |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0011 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0033 | ---- | ---- | ---- | ---- | 1001 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.02 - 0.01 | .0035 | ---- | ---- | ---- | ---- | 13 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.03 - 0.01 | .0050 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.04 UNCH | .0066 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0067 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0068 | ---- | ---- | ---- | ---- | 300 UNCH |
| 3950 | ---- | ---- | ---- | ---- | ---- | 0.05 - 0.01 | .0083 | ---- | ---- | ---- | ---- | 6 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.05 - 0.01 | .0085 | ---- | ---- | ---- | ---- | 415 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.07 - 0.01 | .0115 | ---- | ---- | ---- | ---- | 13 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.08 - 0.01 | .0133 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.09 - 0.01 | .0148 | ---- | ---- | ---- | ---- | 6 UNCH |
| 4300 | ---- | ---- | 0.12B/---- | 0.12B/---- | ---- | 0.10 - 0.01 | .0164 | ---- | ---- | ---- | ---- | 149 UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.11 - 0.01 | .0179 | ---- | ---- | ---- | ---- | 6 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.12 - 0.01 | .0195 | ---- | ---- | ---- | ---- | 338 UNCH |
| 4450 | 0.15 | 0.15 | 0.15/*0.14A | 0.15/*0.14A | ---- | 0.13 - 0.02 | .0212 | ---- | ---- | 1 | ---- | 1 UNCH |
| 4500 | 0.15 | 0.15 | 0.15/*0.15 | 0.15/*0.15 | ---- | 0.14 - 0.02 | .0228 | ---- | ---- | 13 | ---- | 510 UNCH |
| 4550 | ---- | ---- | ----/*0.16A | ----/*0.16A | ---- | 0.15 - 0.02 | .0246 | ---- | ---- | ---- | ---- | 7 UNCH |
| 4600 | ---- | ---- | ----/*0.18A | ----/*0.18A | ---- | 0.17 - 0.02 | .0275 | ---- | ---- | ---- | ---- | 106 UNCH |
| 4650 | 0.21 | 0.21 | 0.21/*0.19A | 0.21/*0.19A | ---- | 0.18 - 0.03 | .0292 | ---- | ---- | 1 | ---- | 8 + 1 |
| 4700 | 0.21 | 0.21 | 0.22B/*0.19 | 0.22B/*0.19 | ---- | 0.20 - 0.03 | .0322 | ---- | ---- | 14 | ---- | 203 + 6 |
| 4750 | ---- | ---- | ----/*0.22A | ----/*0.22A | ---- | 0.22 - 0.03 | .0352 | ---- | ---- | 2 | ---- | 39 - 1 |
| 4800 | ---- | ---- | ----/*0.24A | ----/*0.24A | ---- | 0.24 - 0.03 | .0382 | ---- | ---- | 1 | ---- | 33 - 1 |
| 4850 | ---- | ---- | ----/*0.26A | ----/*0.26A | ---- | 0.26 - 0.04 | .0413 | ---- | ---- | ---- | ---- | 5 UNCH |
| 4900 | ---- | ---- | ----/*0.29A | ----/*0.29A | ---- | 0.28 - 0.04 | .0445 | ---- | ---- | ---- | ---- | 20 UNCH |
| 4950 | ---- | ---- | ----/*0.31A | ----/*0.31A | ---- | 0.31 - 0.04 | .0487 | ---- | ---- | ---- | ---- | 32 UNCH |
| 5000 | 0.39 | 0.39 | 0.39/*0.32 | 0.39/*0.32 | ---- | 0.34 - 0.05 | .0530 | ---- | ---- | 10 | ---- | 1405 + 5 |
| 5050 | ---- | ---- | ----/*0.37A | ----/*0.37A | ---- | 0.37 - 0.05 | .0574 | ---- | ---- | ---- | ---- | 26 UNCH |
| 5100 | 0.46 | 0.46 | 0.46/*0.40 | 0.46/*0.40 | ---- | 0.41 - 0.05 | .0628 | ---- | ---- | 9 | ---- | 17 - 4 |
| 5150 | 0.49 | 0.49 | 0.50B/*0.44A | 0.50B/*0.44A | ---- | 0.45 - 0.06 | .0682 | ---- | ---- | 1 | ---- | 6 + 1 |
| 5200 | 0.54 | 0.54 | 0.55/*0.48A | 0.55/*0.48A | ---- | 0.49 - 0.07 | .0737 | ---- | ---- | 4 | ---- | 215 + 3 |
| 5250 | 0.59 | 0.59 | 0.59/*0.52A | 0.59/*0.52A | ---- | 0.53 - 0.08 | .0793 | ---- | ---- | 3 | ---- | 159 + 3 |
| 5300 | 0.64 | 0.64 | 0.65B/*0.57A | 0.65B/*0.57A | ---- | 0.58 - 0.08 | .0858 | ---- | ---- | 4 | ---- | 138 + 4 |
| 5350 | 0.71 | 0.71 | 0.71/*0.62A | 0.71/*0.62A | ---- | 0.63 - 0.09 | .0924 | ---- | ---- | 2 | ---- | 57 + 2 |
| 5400 | 0.77 | 0.77 | 0.77/*0.67 | 0.77/*0.67 | ---- | 0.69 - 0.10 | .0999 | ---- | ---- | 9 | ---- | 413 + 5 |
| 5450 | ---- | ---- | 0.86B/*0.74A | 0.86B/*0.74A | ---- | 0.75 - 0.10 | .1075 | ---- | ---- | 2 | ---- | 62 - 2 |
| 5500 | 0.90 | 0.90 | 0.94B/*0.80 | 0.94B/*0.80 | ---- | 0.82 - 0.11 | .1159 | ---- | ---- | 3 | ---- | 950 + 2 |
| 5550 | ---- | ---- | 1.02B/*0.87A | 1.02B/*0.87A | ---- | 0.89 - 0.11 | .1244 | ---- | ---- | ---- | ---- | 7 UNCH |
| 5600 | 1.05 | 1.05 | 1.10B/*0.94 | 1.10B/*0.94 | ---- | 0.96 - 0.13 | .1330 | ---- | ---- | 5 | ---- | 82 + 3 |
| 5650 | 1.06 | 1.06 | 1.19B/*1.00 | 1.19B/*1.00 | ---- | 1.04 - 0.14 | .1423 | ---- | ---- | 41 | ---- | 573 + 35 |

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# ENERGY OPTIONS



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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | |
| 5700 | ---- | ---- | 1.29B/*1.10A | 1.29B/*1.10A | ---- | 1.13 - 0.14 | .1524 | ---- | ---- | ---- | ---- | 282 UNCH |
| 5750 | 1.17 | 1.17 | 1.39B/*1.17 | 1.39B/*1.17 | ---- | 1.22 - 0.15 | .1626 | ---- | ---- | 3 | ---- | 7 + 3 |
| 5800 | 1.28 | 1.28 | 1.50B/*1.28 | 1.50B/*1.28 | ---- | 1.31 - 0.16 | .1729 | ---- | ---- | 1 | ---- | 125 + 1 |
| 5850 | ---- | ---- | 1.62B/*1.38A | 1.62B/*1.38A | ---- | 1.41 - 0.17 | .1839 | ---- | ---- | ---- | ---- | 102 UNCH |
| 5900 | ---- | ---- | 1.73B/*1.48A | 1.73B/*1.48A | ---- | 1.52 - 0.18 | .1956 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5950 | ---- | ---- | 1.86B/*1.59A | 1.86B/*1.59A | ---- | 1.63 - 0.20 | .2074 | ---- | ---- | ---- | ---- | 67 UNCH |
| 6000 | 1.82 | 1.82 | 1.99B/*1.70A | 1.99B/*1.70A | ---- | 1.75 - 0.21 | .2197 | ---- | ---- | 22 | ---- | 3870 + 10 |
| 6050 | ---- | ---- | 2.13B/*1.82A | 2.13B/*1.82A | ---- | 1.88 - 0.22 | .2327 | ---- | ---- | ---- | ---- | 29 UNCH |
| 6100 | 2.18 | 2.18 | 2.28B/*1.95A | 2.28B/*1.95A | ---- | 2.01 - 0.23 | .2457 | ---- | ---- | 1 | ---- | 704 + 1 |
| 6150 | ---- | ---- | 2.43B/*2.09A | 2.43B/*2.09A | ---- | 2.15 - 0.24 | .2593 | ---- | ---- | ---- | ---- | 8 UNCH |
| 6200 | ---- | ---- | 2.59B/*2.23A | 2.59B/*2.23A | ---- | 2.29 - 0.26 | .2731 | ---- | ---- | ---- | ---- | 311 UNCH |
| 6250 | ---- | ---- | 2.75B/*2.37A | 2.75B/*2.37A | ---- | 2.44 - 0.27 | .2873 | ---- | ---- | ---- | ---- | 61 UNCH |
| 6300 | ---- | ---- | 2.93B/*2.53A | 2.93B/*2.53A | ---- | 2.60 - 0.29 | .3020 | ---- | ---- | ---- | ---- | 841 UNCH |
| 6350 | ---- | ---- | 3.11B/*2.69A | 3.11B/*2.69A | ---- | 2.77 - 0.30 | .3171 | ---- | ---- | ---- | ---- | 54 UNCH |
| 6400 | ---- | ---- | 3.30B/*2.86A | 3.30B/*2.86A | ---- | 2.94 - 0.31 | .3323 | ---- | ---- | 103 | ---- | 213 + 101 |
| 6450 | ---- | ---- | 3.50B/*3.03A | 3.50B/*3.03A | ---- | 3.12 - 0.33 | .3480 | ---- | ---- | ---- | ---- | 124 UNCH |
| 6500 | 3.38 | 3.38 | 3.70B/*3.22A | 3.70B/*3.22A | ---- | 3.31 - 0.34 | .3639 | ---- | ---- | 16 | 200 | 1115 + 215 |
| 6550 | ---- | ---- | 3.92B/*3.41A | 3.92B/*3.41A | ---- | 3.51 - 0.36 | .3802 | ---- | ---- | ---- | ---- | 36 UNCH |
| 6600 | 4.09 | 4.09 | 4.15B/*3.61A | 4.15B/*3.61A | ---- | 3.71 - 0.38 | .3966 | ---- | ---- | 4 | ---- | 6 + 4 |
| 6650 | ---- | ---- | #4.38B/*3.82A | #4.38B/*3.82A | ---- | 3.93 - 0.39 | .4134 | ---- | ---- | ---- | ---- | 100 UNCH |
| 6700 | ---- | ---- | 4.62B/4.03A | 4.62B/4.03A | ---- | 4.15 - 0.41 | .4303 | ---- | ---- | 16 | ---- | 17 + 2 |
| 6750 | ---- | ---- | 4.88B/*4.26A | 4.88B/*4.26A | ---- | 4.38 - 0.43 | .4474 | ---- | ---- | ---- | ---- | 1 UNCH |
| 6800 | 4.75 | 4.75 | 5.14B/*4.49A | 5.14B/*4.49A | ---- | 4.63 - 0.44 | .4645 | ---- | ---- | 2 | ---- | 4 UNCH |
| 7000 | ---- | ---- | 6.28B/*5.55A | 6.28B/*5.55A | ---- | 5.68 - 0.53 | .5334 | ---- | ---- | 10 | ---- | 30 + 10 |
| 7100 | ---- | ---- | 6.91B/*6.13A | 6.91B/*6.13A | ---- | 6.26 - 0.57 | .5677 | ---- | ---- | ---- | ---- | 14 UNCH |
| 7150 | ---- | ---- | 7.24B/6.43A | 7.24B/6.43A | ---- | 6.57 - 0.59 | .5844 | ---- | ---- | 10 | ---- | 20 - 6 |
| 7200 | ---- | ---- | 7.58B/6.74A | 7.58B/6.74A | ---- | 6.88 - 0.61 | .6009 | ---- | ---- | ---- | ---- | 3 UNCH |
| 7250 | ---- | ---- | 7.92B/7.05A | 7.92B/7.05A | ---- | 7.20 - 0.64 | .6175 | ---- | ---- | ---- | ---- | 13 UNCH |
| 7400 | ---- | ---- | 9.01B/8.06A | 9.01B/8.06A | ---- | 8.21 - 0.72 | .6646 | ---- | ---- | ---- | ---- | 2 UNCH |
| 7500 | ---- | ---- | 9.77B/8.76A | 9.77B/8.76A | ---- | 8.93 - 0.76 | .6946 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7700 | ---- | ---- | 11.38B/*10.27A | 11.38B/*10.27A | ---- | 10.46 - 0.84 | .7487 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7750 | ---- | ---- | 11.80B/10.66A | 11.80B/10.66A | ---- | 10.85 - 0.87 | .7612 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7800 | ---- | ---- | 12.23B/*11.05A | 12.23B/*11.05A | ---- | 11.26 - 0.88 | .7729 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8300 | ---- | ---- | 16.73B/15.36A | 16.73B/15.36A | ---- | 15.58 - 1.06 | .8662 | ---- | ---- | ---- | ---- | 1 UNCH |
| 8500 | ---- | ---- | 18.62B/17.18A | 18.62B/17.18A | ---- | 17.42 - 1.11 | .8922 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 313 | 200 | 15524 + 403 |
| FEB19 | | | | | | | | | | | | |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 200 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0001 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0007 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0016 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0030 | ---- | ---- | ---- | ---- | 400 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0045 | ---- | ---- | ---- | ---- | 577 UNCH |
| 3500 | 0.04 | 0.04 | 0.04/*0.04 | 0.04/*0.04 | ---- | 0.04 UNCH | .0060 | ---- | ---- | 2 | ---- | 6 + 2 |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.04 UNCH | .0061 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.04 UNCH | .0062 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0075 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3700 | 0.05 | 0.05 | 0.05/*0.05 | 0.05/*0.05 | ---- | 0.05 UNCH | .0077 | ---- | ---- | 114 | ---- | 114 + 113 |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.06 UNCH | .0090 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.07 - 0.01 | .0108 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.09 UNCH | .0136 | ---- | ---- | ---- | ---- | 416 UNCH |
| 4050 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.10 UNCH | .0151 | ---- | ---- | 10 | ---- | 70 + 10 |
| 4200 | 0.13 | 0.13 | 0.13/*0.13 | 0.13/*0.13 | ---- | 0.13 UNCH | .0195 | ---- | ---- | 20 | ---- | 261 - 5 |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.14 - 0.01 | .0210 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.15 - 0.01 | .0226 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.17 - 0.01 | .0252 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4400 | ---- | ---- | ----/*0.19A | ----/*0.19A | ---- | 0.18 - 0.02 | .0268 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4450 | ---- | ---- | ----/*0.21A | ----/*0.21A | ---- | 0.20 - 0.02 | .0295 | ---- | ---- | ---- | ---- | 43 UNCH |
| 4500 | 0.24 | 0.24 | 0.24/0.23A | 0.24/0.23A | ---- | 0.21 - 0.03 | .0312 | ---- | ---- | 2 | ---- | 986 UNCH |
| 4550 | ---- | ---- | ----/*0.24A | ----/*0.24A | ---- | 0.23 - 0.03 | .0340 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4600 | 0.25 | 0.25 | 0.26B/*0.25 | 0.26B/*0.25 | ---- | 0.25 - 0.04 | .0368 | ---- | ---- | 58 | ---- | 583 - 22 |
| 4650 | 0.30 | 0.30 | 0.30/*0.29A | 0.30/*0.29A | ---- | 0.28 - 0.03 | .0406 | ---- | ---- | 1 | ---- | 27 - 1 |
| 4700 | 0.30 | 0.30 | 0.32B/*0.30 | 0.32B/*0.30 | ---- | 0.30 - 0.04 | .0435 | ---- | ---- | 2 | ---- | 122 + 1 |
| 4750 | ---- | ---- | ----/*0.34A | ----/*0.34A | ---- | 0.33 - 0.05 | .0474 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4800 | ---- | ---- | ----/*0.37A | ----/*0.37A | ---- | 0.36 - 0.05 | .0514 | ---- | ---- | ---- | ---- | 244 UNCH |
| 4850 | 0.40 | 0.40 | 0.41B/*0.40 | 0.41B/*0.40 | ---- | 0.40 - 0.05 | .0563 | ---- | ---- | 9 | ---- | 10 - 5 |
| 4900 | 0.44 | 0.44 | 0.45B/*0.43A | 0.45B/*0.43A | ---- | 0.43 - 0.06 | .0603 | ---- | ---- | 2 | ---- | 573 - 2 |
| 4950 | ---- | ---- | 0.54B/*0.47A | 0.54B/*0.47A | ---- | 0.47 - 0.06 | .0653 | ---- | ---- | ---- | ---- | 11 UNCH |
| 5000 | 0.58 | 0.58 | 0.59B/*0.50 | 0.59B/*0.50 | ---- | 0.52 - 0.06 | .0712 | ---- | ---- | 6 | ---- | 1021 + 3 |
| 5050 | ---- | ---- | 0.64B/*0.56A | 0.64B/*0.56A | ---- | 0.56 - 0.07 | .0762 | ---- | ---- | ---- | ---- | 9 UNCH |
| 5100 | 0.58 | 0.58 | 0.70B/*0.58 | 0.70B/*0.58 | ---- | 0.62 - 0.07 | .0830 | ---- | ---- | 151 | ---- | 382 + 150 |
| 5150 | ---- | ---- | 0.76B/*0.66A | 0.76B/*0.66A | ---- | 0.67 - 0.08 | .0890 | ---- | ---- | ---- | ---- | 4 UNCH |
| 5200 | 0.74 | 0.74 | 0.82B/*0.72A | 0.82B/*0.72A | ---- | 0.73 - 0.08 | .0958 | ---- | ---- | 1 | ---- | 412 UNCH |
| 5250 | ---- | ---- | 0.90B/*0.78A | 0.90B/*0.78A | ---- | 0.79 - 0.08 | .1026 | ---- | ---- | ---- | ---- | 15 UNCH |
| 5300 | 0.91 | 0.91 | 0.97B/*0.84A | 0.97B/*0.84A | ---- | 0.85 - 0.10 | .1095 | ---- | ---- | 1 | ---- | 80 + 1 |
| 5350 | ---- | ---- | 1.05B/*0.91A | 1.05B/*0.91A | ---- | 0.92 - 0.10 | .1172 | ---- | ---- | ---- | ---- | 2 UNCH |
| 5400 | ---- | ---- | 1.13B/*0.98A | 1.13B/*0.98A | ---- | 1.00 - 0.10 | .1256 | ---- | ---- | ---- | ---- | 81 UNCH |
| 5450 | ---- | ---- | 1.22B/*1.05A | 1.22B/*1.05A | ---- | 1.08 - 0.11 | .1341 | ---- | ---- | ---- | ---- | 5 UNCH |
| 5500 | 1.26 | 1.26 | 1.31B/*1.13 | 1.31B/*1.13 | ---- | 1.16 - 0.12 | .1426 | ---- | ---- | 33 | ---- | 418 + 33 |
| 5550 | 1.22 | 1.22 | #1.30B/*1.22 | #1.30B/*1.22 | ---- | 1.25 NEW | .1518 | ---- | ---- | 1 | ---- | 1 + 1 |
| 5600 | 1.40 | 1.40 | 1.51B/*1.29 | 1.51B/*1.29 | ---- | 1.34 - 0.14 | .1611 | ---- | ---- | 256 | ---- | 352 + 246 |
| 5650 | ---- | ---- | 1.61B/*1.41A | 1.61B/*1.41A | ---- | 1.44 - 0.14 | .1710 | ---- | ---- | ---- | ---- | 1 UNCH |
| 5700 | ---- | ---- | 1.72B/*1.51A | 1.72B/*1.51A | ---- | 1.54 - 0.15 | .1809 | ---- | ---- | ---- | ---- | 167 UNCH |
| 5750 | ---- | ---- | 1.84B/*1.61A | 1.84B/*1.61A | ---- | 1.65 - 0.16 | .1915 | ---- | ---- | ---- | ---- | 65 UNCH |
| 5800 | 1.69 | 1.69 | 1.96B/*1.68 | 1.96B/*1.68 | ---- | 1.76 - 0.17 | .2022 | ---- | ---- | 82 | ---- | 232 + 68 |
| 5850 | ---- | ---- | 2.09B/*1.84A | 2.09B/*1.84A | ---- | 1.88 - 0.17 | .2134 | ---- | ---- | ---- | ---- | 45 UNCH |
| 5900 | ---- | ---- | 2.22B/*1.96A | 2.22B/*1.96A | ---- | 2.00 - 0.18 | .2247 | ---- | ---- | ---- | ---- | 413 UNCH |
| 5950 | ---- | ---- | 2.36B/*2.08A | 2.36B/*2.08A | ---- | 2.13 - 0.19 | .2365 | ---- | ---- | ---- | ---- | 165 UNCH |
| 6000 | 2.42 | 2.42 | 2.50B/*2.21 | 2.50B/*2.21 | ---- | 2.26 - 0.20 | .2484 | ---- | ---- | 27 | ---- | 956 + 27 |
| 6050 | ---- | ---- | 2.66B/*2.35A | 2.66B/*2.35A | ---- | 2.40 - 0.21 | .2609 | ---- | ---- | ---- | ---- | 58 UNCH |
| 6100 | ---- | ---- | 2.81B/*2.49A | 2.81B/*2.49A | ---- | 2.54 - 0.22 | .2734 | ---- | ---- | ---- | ---- | 51 UNCH |
| 6150 | ---- | ---- | 2.97B/*2.64A | 2.97B/*2.64A | ---- | 2.69 - 0.23 | .2864 | ---- | ---- | ---- | ---- | 150 UNCH |
| 6200 | ---- | ---- | 3.14B/*2.79A | 3.14B/*2.79A | ---- | 2.85 - 0.24 | .2999 | ---- | ---- | ---- | ---- | 4 UNCH |
| 6300 | ---- | ---- | 3.50B/*3.12A | 3.50B/*3.12A | ---- | 3.18 - 0.26 | .3274 | ---- | ---- | ---- | ---- | 55 UNCH |
| 6350 | ---- | ---- | 3.69B/*3.29A | 3.69B/*3.29A | ---- | 3.36 - 0.27 | .3417 | ---- | ---- | ---- | ---- | 100 UNCH |
| 6400 | ---- | ---- | 3.89B/*3.47A | 3.89B/*3.47A | ---- | 3.54 - 0.29 | .3562 | ---- | ---- | ---- | ---- | 113 UNCH |
| 6450 | ---- | ---- | 4.10B/*3.65A | 4.10B/*3.65A | ---- | 3.73 - 0.30 | .3709 | ---- | ---- | ---- | ---- | 81 UNCH |
| 6500 | ---- | ---- | 4.31B/*3.84A | 4.31B/*3.84A | ---- | 3.93 - 0.31 | .3860 | ---- | ---- | ---- | ---- | 139 UNCH |
| 6550 | ---- | ---- | 4.54B/*4.04A | 4.54B/*4.04A | ---- | 4.13 - 0.33 | .4012 | ---- | ---- | ---- | ---- | 16 UNCH |
| 6600 | 4.57 | 4.57 | 4.77B/4.25A | 4.77B/4.25A | ---- | 4.34 - 0.35 | .4167 | ---- | ---- | 1 | ---- | 66 UNCH |
| 6650 | ---- | ---- | 5.01B/*4.47A | 5.01B/*4.47A | ---- | 4.56 - 0.36 | .4324 | ---- | ---- | ---- | ---- | 6 UNCH |
| 6700 | ---- | ---- | 5.25B/*4.69A | 5.25B/*4.69A | ---- | 4.79 - 0.38 | .4482 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6750 | ---- | ---- | 5.50B/4.92A | 5.50B/4.92A | ---- | 5.03 - 0.39 | .4642 | ---- | ---- | ---- | ---- | 200 UNCH |
| 6800 | ---- | ---- | 5.77B/5.16A | 5.77B/5.16A | ---- | 5.28 - 0.41 | .4801 | ---- | ---- | ---- | ---- | 393 UNCH |
| 6850 | ---- | ---- | 6.05B/5.40A | 6.05B/5.40A | ---- | 5.54 - 0.42 | .4962 | ---- | ---- | ---- | ---- | 63 UNCH |
| 6900 | ---- | ---- | 6.34B/5.67A | 6.34B/5.67A | ---- | 5.81 - 0.43 | .5122 | ---- | ---- | ---- | ---- | 60 UNCH |
| 6950 | ---- | ---- | 6.63B/5.95A | 6.63B/5.95A | ---- | 6.08 - 0.45 | .5286 | ---- | ---- | ---- | ---- | 60 UNCH |
| 7000 | ---- | ---- | 6.93B/*6.23A | 6.93B/*6.23A | ---- | 6.36 - 0.47 | .5440 | ---- | ---- | ---- | ---- | 6 UNCH |
| 7050 | ---- | ---- | 7.24B/6.53A | 7.24B/6.53A | ---- | 6.66 - 0.48 | .5600 | ---- | ---- | ---- | ---- | 35 UNCH |
| 7150 | ---- | ---- | 7.89B/7.12A | 7.89B/7.12A | ---- | 7.26 - 0.52 | .5912 | ---- | ---- | ---- | ---- | 4 UNCH |
| 7300 | ---- | ---- | #8.93B/*8.08A | #8.93B/*8.08A | ---- | 8.23 - 0.59 | .6390 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7400 | ---- | ---- | #9.66B/*8.75A | #9.66B/*8.75A | ---- | 8.92 - 0.63 | .6655 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7500 | 9.54 | 9.54 | #9.94B/*9.54 | #9.94B/*9.54 | ---- | 9.65 NEW | .6929 | ---- | ---- | 20 | ---- | 10 + 10 |
| TOTAL | | | | | | | | | | 799 | | 11524 + 630 |
| MAR19 | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0013 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0028 | ---- | ---- | ---- | ---- | 700 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0043 | ---- | ---- | ---- | ---- | 212 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.06 UNCH | .0083 | ---- | ---- | ---- | ---- | 300 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.09 - 0.01 | .0128 | ---- | ---- | ---- | ---- | 250 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.11 - 0.01 | .0155 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.13 - 0.01 | .0183 | ---- | ---- | ---- | ---- | 4276 UNCH |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.15 UNCH | .0207 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.17 - 0.02 | .0236 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.19 - 0.01 | .0261 | ---- | ---- | ---- | ---- | 410 UNCH |

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# ENERGY OPTIONS



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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | |
| 4300 | 0.21 | 0.21 | 0.22/*0.21 | 0.22/*0.21 | ---- | 0.22 - 0.02 | .0302 | ---- | ---- | 6 | ---- | 22 + 6 |
| 4350 | 0.22 | 0.22 | #0.22/*0.22 | #0.22/*0.22 | ---- | 0.24 NEW | .0327 | ---- | ---- | 3 | ---- | 3 + 3 |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.26 - 0.03 | .0353 | ---- | ---- | ---- | ---- | 301 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.29 - 0.03 | .0389 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.31 - 0.04 | .0416 | ---- | ---- | 201 | ---- | 2125 + 5 |
| 4550 | ---- | ---- | ---- | ---- | ---- | 0.34 - 0.04 | .0452 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.37 - 0.04 | .0488 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4650 | 0.41 | 0.41 | 0.41/*0.41 | 0.41/*0.41 | ---- | 0.40 - 0.05 | .0525 | ---- | ---- | 1 | ---- | 10 - 1 |
| 4700 | 0.46 | 0.46 | #0.46/*0.45 | #0.46/*0.45 | ---- | 0.44 NEW | .0571 | ---- | ---- | 2 | ---- | 2 + 2 |
| 4800 | 0.53 | 0.53 | 0.53/*0.53 | 0.53/*0.53 | ---- | 0.52 - 0.06 | .0663 | ---- | ---- | 2 | ---- | 4 + 2 |
| 4900 | 0.65 | 0.65 | #0.65/*0.65 | #0.65/*0.65 | ---- | 0.61 NEW | .0764 | ---- | ---- | 1 | ---- | 1 + 1 |
| 5000 | ---- | ---- | 0.80B/*0.76A | 0.80B/*0.76A | ---- | 0.72 - 0.07 | .0882 | ---- | ---- | 15 | ---- | 9437 + 1 |
| 5200 | ---- | ---- | 1.09B/*1.02A | 1.09B/*1.02A | ---- | 0.98 - 0.09 | .1151 | ---- | ---- | ---- | ---- | 700 UNCH |
| 5300 | 1.16 | 1.16 | 1.25B/*1.16 | 1.25B/*1.16 | ---- | 1.14 - 0.10 | .1308 | ---- | ---- | 3 | ---- | 3 UNCH |
| 5400 | ---- | ---- | 1.44B/*1.34A | 1.44B/*1.34A | ---- | 1.31 - 0.11 | .1472 | ---- | ---- | ---- | ---- | 300 UNCH |
| 5450 | 1.38 | 1.38 | #1.45B/*1.38 | #1.45B/*1.38 | ---- | 1.41 NEW | .1562 | ---- | ---- | 5 | ---- | 5 + 5 |
| 5500 | ---- | ---- | 1.64B/*1.53A | 1.64B/*1.53A | ---- | 1.50 - 0.12 | .1649 | ---- | ---- | 14 | ---- | 5985 UNCH |
| 5600 | ---- | ---- | 1.87B/*1.73A | 1.87B/*1.73A | ---- | 1.71 - 0.13 | .1838 | ---- | ---- | ---- | ---- | 300 UNCH |
| 5700 | ---- | ---- | 2.12B/*1.95A | 2.12B/*1.95A | ---- | 1.94 - 0.14 | .2040 | ---- | ---- | ---- | ---- | 500 UNCH |
| 5750 | ---- | ---- | 2.24B/*2.07A | 2.24B/*2.07A | ---- | 2.06 - 0.14 | .2144 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5800 | ---- | ---- | 2.37B/*2.19A | 2.37B/*2.19A | ---- | 2.18 - 0.15 | .2249 | ---- | ---- | ---- | ---- | 728 UNCH |
| 5850 | ---- | ---- | 2.51B/*2.32A | 2.51B/*2.32A | ---- | 2.31 - 0.16 | .2359 | ---- | ---- | ---- | ---- | 31 UNCH |
| 5900 | ---- | ---- | 2.66B/*2.45A | 2.66B/*2.45A | ---- | 2.45 - 0.16 | .2473 | ---- | ---- | ---- | ---- | 340 UNCH |
| 5950 | ---- | ---- | 2.80B/*2.59A | 2.80B/*2.59A | ---- | 2.59 - 0.17 | .2588 | ---- | ---- | ---- | ---- | 300 UNCH |
| 6000 | ---- | ---- | 2.96B/*2.73A | 2.96B/*2.73A | ---- | 2.73 - 0.18 | .2705 | ---- | ---- | 5 | ---- | 10350 UNCH |
| 6050 | 2.91 | 2.91 | #2.99/*2.88A | #2.99/*2.88A | ---- | 2.88 NEW | .2825 | ---- | ---- | 3 | ---- | 2 + 2 |
| 6100 | ---- | ---- | 3.29B/*3.04A | 3.29B/*3.04A | ---- | 3.03 - 0.21 | .2947 | ---- | ---- | ---- | ---- | 200 UNCH |
| 6200 | ---- | ---- | 3.63B/*3.36A | 3.63B/*3.36A | ---- | 3.35 - 0.23 | .3201 | ---- | ---- | ---- | 200 | 649 - 35 |
| 6300 | ---- | ---- | 4.01B/*3.70A | 4.01B/*3.70A | ---- | 3.70 - 0.26 | .3466 | ---- | ---- | ---- | ---- | 148 UNCH |
| 6350 | ---- | ---- | 4.22B/*3.88A | 4.22B/*3.88A | ---- | 3.88 - 0.27 | .3602 | ---- | ---- | ---- | ---- | 1142 UNCH |
| 6400 | ---- | ---- | 4.42B/*4.07A | 4.42B/*4.07A | ---- | 4.07 - 0.28 | .3741 | ---- | ---- | ---- | ---- | 136 UNCH |
| 6450 | ---- | ---- | 4.63B/*4.26A | 4.63B/*4.26A | ---- | 4.27 - 0.29 | .3882 | ---- | ---- | ---- | ---- | 84 UNCH |
| 6500 | ---- | ---- | 4.85B/*4.46A | 4.85B/*4.46A | ---- | 4.48 - 0.30 | .4025 | ---- | ---- | ---- | ---- | 2049 UNCH |
| 6550 | ---- | ---- | 5.06B/*4.66A | 5.06B/*4.66A | ---- | 4.69 - 0.31 | .4170 | ---- | ---- | ---- | ---- | 31 UNCH |
| 6600 | ---- | ---- | 5.29B/*4.88A | 5.29B/*4.88A | ---- | 4.91 - 0.33 | .4317 | ---- | ---- | ---- | ---- | 306 UNCH |
| 6650 | ---- | ---- | 5.54B/*5.10A | 5.54B/*5.10A | ---- | 5.14 - 0.34 | .4466 | ---- | ---- | ---- | ---- | 16 UNCH |
| 6700 | ---- | ---- | 5.79B/*5.32A | 5.79B/*5.32A | ---- | 5.38 - 0.35 | .4615 | ---- | ---- | ---- | ---- | 1 UNCH |
| 6750 | ---- | ---- | 6.04B/*5.56A | 6.04B/*5.56A | ---- | 5.62 - 0.37 | .4767 | ---- | ---- | ---- | ---- | 86 UNCH |
| 6800 | ---- | ---- | 6.32B/*5.80A | 6.32B/*5.80A | ---- | 5.87 - 0.38 | .4917 | ---- | ---- | ---- | ---- | 49 UNCH |
| 6850 | ---- | ---- | ----/*6.05A | ----/*6.05A | ---- | 6.12 - 0.41 | .5069 | ---- | ---- | ---- | ---- | 175 UNCH |
| 7000 | ---- | ---- | ----/*6.88A | ----/*6.88A | ---- | 6.94 - 0.47 | .5526 | ---- | ---- | ---- | ---- | 900 UNCH |
| TOTAL | | | | | | | | | | 261 | 200 | 43889 - 9 |
| APR19 | | | | | | | | | | | | |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.05 + 0.01 | .0065 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.15 + 0.01 | .0190 | ---- | ---- | ---- | ---- | 400 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.33 - 0.01 | .0405 | ---- | ---- | ---- | ---- | 400 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.99 - 0.03 | .1074 | ---- | ---- | ---- | ---- | 101 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 1.91 - 0.05 | .1868 | ---- | ---- | ---- | ---- | 250 UNCH |
| TOTAL | | | | | | | | | | | | 1163 |
| MAY19 | | | | | | | | | | | | |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0122 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.12 UNCH | .0145 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.58 - 0.05 | .0642 | ---- | ---- | ---- | ---- | 7 UNCH |
| 6000 | 3.80 | 3.80 | 3.80/*3.80 | 3.80/*3.80 | ---- | 3.65 - 0.15 | .3041 | ---- | ---- | 1 | ---- | 101 UNCH |
| 6250 | ---- | ---- | ---- | ---- | ---- | 4.53 - 0.19 | .3628 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 1 | | 171 |
| JUN19 | | | | | | | | | | | | |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0002 | ---- | ---- | ---- | ---- | 8 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0005 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0013 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0024 | ---- | ---- | ---- | ---- | 55 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.06 UNCH | .0071 | ---- | ---- | ---- | ---- | 1491 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.12 - 0.01 | .0141 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3500 | 0.13 | 0.13 | 0.13/*0.13 | 0.13/*0.13 | ---- | 0.15 - 0.01 | .0173 | ---- | ---- | 2 | ---- | 8523 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.17 - 0.02 | .0197 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.03 | .0231 | ---- | ---- | ---- | ---- | 1983 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.22 - 0.03 | .0252 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.24 - 0.03 | .0273 | ---- | ---- | ---- | ---- | 9149 UNCH |
| 3900 | ---- | ---- | ----/*0.31A | ----/*0.31A | ---- | 0.28 - 0.04 | .0316 | ---- | ---- | ---- | ---- | 401 UNCH |
| 3950 | ---- | ---- | ----/*0.34A | ----/*0.34A | ---- | 0.31 - 0.04 | .0346 | ---- | ---- | ---- | ---- | 3 UNCH |
| 4000 | ---- | ---- | ----/*0.36A | ----/*0.36A | ---- | 0.33 - 0.05 | .0368 | ---- | ---- | ---- | ---- | 19459 UNCH |
| 4100 | ---- | ---- | ----/*0.41A | ----/*0.41A | ---- | 0.39 - 0.05 | .0428 | ---- | ---- | 175 | ---- | 1909 UNCH |
| 4200 | ---- | ---- | ----/0.48A | ----/0.48A | ---- | 0.45 - 0.06 | .0490 | ---- | ---- | ---- | ---- | 4901 UNCH |
| 4250 | ---- | ---- | ----/*0.51A | ----/*0.51A | ---- | 0.48 - 0.07 | .0521 | ---- | ---- | ---- | ---- | 510 UNCH |
| 4300 | 0.53 | 0.53 | 0.53/*0.50 | 0.53/*0.50 | ---- | 0.52 - 0.08 | .0559 | ---- | ---- | 2001 | ---- | 4270 + 1991 |
| 4400 | ---- | ---- | ----/*0.64A | ----/*0.64A | ---- | 0.61 - 0.08 | .0644 | ---- | ---- | ---- | ---- | 1668 UNCH |
| 4500 | 0.77 | 0.77 | 0.79/*0.74A | 0.79/*0.74A | ---- | 0.71 - 0.09 | .0736 | ---- | ---- | 180 | ---- | 20843 UNCH |
| 4550 | ---- | ---- | ----/*0.79A | ----/*0.79A | ---- | 0.76 - 0.09 | .0782 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4600 | ---- | ---- | ----/*0.85A | ----/*0.85A | ---- | 0.82 - 0.10 | .0835 | ---- | ---- | ---- | ---- | 558 UNCH |
| 4700 | ---- | ---- | ----/*0.98A | ----/*0.98A | ---- | 0.95 - 0.10 | .0947 | ---- | ---- | ---- | ---- | 300 UNCH |
| 4750 | ---- | ---- | ----/*1.05A | ----/*1.05A | ---- | 1.02 - 0.11 | .1007 | ---- | ---- | ---- | ---- | 450 UNCH |
| 4800 | ---- | ---- | ----/*1.12A | ----/*1.12A | ---- | 1.09 - 0.11 | .1066 | ---- | ---- | ---- | ---- | 3500 UNCH |
| 5000 | ---- | ---- | ----/*1.45A | ----/*1.45A | ---- | 1.42 - 0.13 | .1334 | ---- | ---- | 200 | 150 | 20884 + 100 |
| 5050 | ---- | ---- | ----/*1.54A | ----/*1.54A | ---- | 1.52 - 0.13 | .1410 | ---- | ---- | ---- | ---- | 400 UNCH |
| 5100 | ---- | ---- | ----/*1.63A | ----/*1.63A | ---- | 1.61 - 0.14 | .1482 | ---- | ---- | ---- | ---- | 400 UNCH |
| 5200 | ---- | ---- | 1.97B/*1.83A | 1.97B/*1.83A | ---- | 1.82 - 0.13 | .1639 | ---- | ---- | ---- | ---- | 2650 UNCH |
| 5250 | ---- | ---- | 2.08B/*1.94A | 2.08B/*1.94A | ---- | 1.93 - 0.13 | .1720 | ---- | ---- | ---- | ---- | 600 UNCH |
| 5300 | ---- | ---- | 2.20B/*2.04A | 2.20B/*2.04A | ---- | 2.04 - 0.14 | .1802 | ---- | ---- | ---- | ---- | 1351 UNCH |
| 5350 | ---- | ---- | 2.31B/*2.16A | 2.31B/*2.16A | ---- | 2.15 - 0.14 | .1885 | ---- | ---- | ---- | ---- | 213 UNCH |
| 5400 | ---- | ---- | 2.43B/*2.27A | 2.43B/*2.27A | ---- | 2.27 - 0.14 | .1972 | ---- | ---- | ---- | ---- | 656 UNCH |
| 5500 | ---- | ---- | 2.69B/*2.51A | 2.69B/*2.51A | ---- | 2.52 - 0.15 | .2150 | ---- | ---- | ---- | 600 | 17293 + 600 |
| 5600 | ---- | ---- | 2.97B/*2.77A | 2.97B/*2.77A | ---- | 2.78 - 0.16 | .2335 | ---- | ---- | ---- | ---- | 272 UNCH |
| 5650 | ---- | ---- | 3.10B/*2.90A | 3.10B/*2.90A | ---- | 2.92 - 0.17 | .2432 | ---- | ---- | ---- | ---- | 89 UNCH |
| 5700 | ---- | ---- | 3.25B/*3.04A | 3.25B/*3.04A | ---- | 3.06 - 0.17 | .2529 | ---- | ---- | ---- | ---- | 3900 UNCH |
| 5750 | ---- | ---- | 3.40B/3.17A | 3.40B/3.17A | ---- | 3.21 - 0.18 | .2629 | ---- | ---- | ---- | ---- | 641 UNCH |
| 5800 | ---- | ---- | 3.56B/*3.32A | 3.56B/*3.32A | ---- | 3.36 - 0.19 | .2731 | ---- | ---- | ---- | ---- | 453 UNCH |
| 5850 | ---- | ---- | ----/*3.47A | ----/*3.47A | ---- | 3.51 - 0.20 | .2834 | ---- | ---- | ---- | ---- | 70 UNCH |
| 5900 | ---- | ---- | ----/*3.62A | ----/*3.62A | ---- | 3.67 - 0.21 | .2939 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6000 | 4.16 | 4.16 | 4.23B/3.95 | 4.23B/3.95 | ---- | 4.00 - 0.22 | .3156 | ---- | ---- | 201 | 100 | 11798 + 149 |
| 6050 | ---- | ---- | ----/4.11A | ----/4.11A | ---- | 4.17 - 0.23 | .3267 | ---- | ---- | ---- | ---- | 1 UNCH |
| 6100 | ---- | ---- | 4.58B/4.28A | 4.58B/4.28A | ---- | 4.35 - 0.22 | .3380 | ---- | ---- | ---- | ---- | 60 UNCH |
| 6150 | ---- | ---- | 4.77B/4.46A | 4.77B/4.46A | ---- | 4.53 - 0.23 | .3495 | ---- | ---- | ---- | ---- | 75 UNCH |
| 6200 | ---- | ---- | 4.96B/4.64A | 4.96B/4.64A | ---- | 4.71 - 0.24 | .3612 | ---- | ---- | ---- | ---- | 496 UNCH |
| 6250 | ---- | ---- | 5.17B/4.83A | 5.17B/4.83A | ---- | 4.90 - 0.24 | .3730 | ---- | ---- | ---- | ---- | 32 UNCH |
| 6300 | ---- | ---- | 5.37B/*5.02A | 5.37B/*5.02A | ---- | 5.10 - 0.24 | .3851 | ---- | ---- | ---- | ---- | 978 UNCH |
| 6350 | ---- | ---- | 5.58B/*5.22A | 5.58B/*5.22A | ---- | 5.30 - 0.25 | .3973 | ---- | ---- | ---- | ---- | 264 UNCH |
| 6500 | 6.20 | 6.20 | 6.27B/5.85A | 6.27B/5.85A | ---- | 5.93 - 0.29 | .4350 | ---- | ---- | 1 | ---- | 4494 - 1 |
| 6600 | 6.23 | 6.23 | 6.74B/*6.23 | 6.74B/*6.23 | ---- | 6.39 - 0.31 | .4608 | ---- | ---- | 5 | ---- | 208 UNCH |
| 6650 | ---- | ---- | 6.99B/*6.54A | 6.99B/*6.54A | ---- | 6.63 - 0.32 | .4738 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6700 | ---- | ---- | 7.26B/6.78A | 7.26B/6.78A | ---- | 6.88 - 0.32 | .4868 | ---- | ---- | ---- | ---- | 116 UNCH |
| 6750 | ---- | ---- | 7.51B/7.03A | 7.51B/7.03A | ---- | 7.13 - 0.34 | .4999 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6800 | ---- | ---- | 7.79B/7.28A | 7.79B/7.28A | ---- | 7.39 - 0.35 | .5132 | ---- | ---- | ---- | ---- | 1 UNCH |
| 6850 | ---- | ---- | 8.07B/7.54A | 8.07B/7.54A | ---- | 7.66 - 0.36 | .5263 | ---- | ---- | ---- | ---- | 3 UNCH |
| 6900 | 7.75 | 7.75 | #8.11B/*7.75 | #8.11B/*7.75 | ---- | 7.93 NEW | .5394 | ---- | ---- | 5 | ---- | 5 + 5 |
| 7000 | ---- | ---- | 8.96B/8.37A | 8.96B/8.37A | ---- | 8.50 - 0.40 | .5657 | ---- | ---- | ---- | ---- | 5 UNCH |
| 7050 | ---- | ---- | 9.28B/8.66A | 9.28B/8.66A | ---- | 8.80 - 0.41 | .5786 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7100 | ---- | ---- | 9.59B/8.96A | 9.59B/8.96A | ---- | 9.10 - 0.43 | .5915 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7150 | ---- | ---- | 9.92B/9.27A | 9.92B/9.27A | ---- | 9.42 - 0.43 | .6042 | ---- | ---- | ---- | ---- | 7 UNCH |
| 7250 | ---- | ---- | 10.59B/9.90A | 10.59B/9.90A | ---- | 10.06 - 0.46 | .6295 | ---- | ---- | ---- | ---- | 2 UNCH |
| 7300 | ---- | ---- | 10.94B/10.23A | 10.94B/10.23A | ---- | 10.39 - 0.48 | .6418 | ---- | ---- | ---- | ---- | 2 UNCH |
| 7500 | ---- | ---- | 12.39B/*11.60A | 12.39B/*11.60A | ---- | 11.79 - 0.52 | .6890 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 2770 | 850 | 149980 + 2844 |

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# ENERGY OPTIONS

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | |
| JUL19 | | | | | | | | | | | | |
| 5000 | ---- | ---- | ---- | ---- | ---- | 1.68 - 0.10 | .1469 | ---- | ---- | ---- | ---- | 101 UNCH |
| TOTAL | | | | | | | | | | | | 101 |
| AUG19 | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.23 - 0.01 | .0241 | ---- | ---- | ---- | ---- | 150 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.03 - 0.06 | .0937 | ---- | ---- | ---- | ---- | 150 UNCH |
| TOTAL | | | | | | | | | | | | 300 |
| SEP19 | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0053 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.27 - 0.01 | .0273 | ---- | ---- | ---- | ---- | 500 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.60 - 0.01 | .0563 | ---- | ---- | ---- | ---- | 1201 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.19 - 0.04 | .1026 | ---- | ---- | ---- | ---- | 4051 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 2.14 - 0.06 | .1680 | ---- | ---- | ---- | 700 | 4100 + 300 |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.62 - 0.06 | .1989 | ---- | ---- | ---- | ---- | 950 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 3.43 - 0.09 | .2494 | ---- | ---- | ---- | 1350 | 4750 + 400 |
| 5700 | ---- | ---- | ---- | ---- | ---- | 4.03 - 0.12 | .2861 | ---- | ---- | ---- | ---- | 300 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 4.34 NEW | .3053 | ---- | ---- | ---- | 300 | 300 + 300 |
| 6000 | 5.23 | 5.23 | 5.23/*5.23 | 5.23/*5.23 | ---- | 5.03 - 0.19 | .3461 | ---- | ---- | 1 | ---- | 2752 + 1 |
| 6200 | ---- | ---- | ---- | ---- | ---- | 5.82 - 0.19 | .3894 | ---- | ---- | ---- | 600 | 1100 + 600 |
| 6400 | ---- | ---- | ---- | ---- | ---- | 6.69 - 0.20 | .4350 | ---- | ---- | ---- | ---- | 300 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 7.15 - 0.21 | .4584 | ---- | ---- | ---- | ---- | 700 UNCH |
| TOTAL | | | | | | | | | | 1 | 2950 | 21204 + 1601 |
| DEC19 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0007 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0009 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.02 - 0.01 | .0021 | ---- | ---- | ---- | ---- | 232 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0040 | ---- | ---- | ---- | ---- | 400 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.02 | .0042 | ---- | ---- | ---- | ---- | 300 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.06 - 0.02 | .0062 | ---- | ---- | ---- | ---- | 224 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.08 - 0.01 | .0081 | ---- | ---- | ---- | ---- | 400 UNCH |
| 3000 | 0.16 | 0.16 | 0.16/0.16 | 0.16/0.16 | ---- | 0.16 - 0.02 | .0159 | ---- | ---- | 1 | ---- | 3678 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.24 - 0.02 | .0230 | ---- | ---- | ---- | ---- | 850 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.29 - 0.01 | .0272 | ---- | ---- | ---- | ---- | 600 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.34 - 0.01 | .0316 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | 0.38 | 0.38 | 0.38/*0.38 | 0.38/*0.38 | ---- | 0.40 - 0.01 | .0366 | ---- | ---- | 1 | ---- | 12267 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.47 - 0.01 | .0423 | ---- | ---- | ---- | ---- | 800 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.55 - 0.01 | .0487 | ---- | ---- | 1 | ---- | 1036 UNCH |
| 3800 | 0.62 | 0.62 | 0.62/0.60 | 0.62/0.60 | ---- | 0.64 - 0.01 | .0556 | ---- | ---- | 1000 | ---- | 1109 + 994 |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.74 - 0.02 | .0632 | ---- | ---- | ---- | ---- | 8 UNCH |
| 4000 | 0.90 | 0.90 | 0.90/0.90 | 0.90/0.90 | ---- | 0.85 - 0.02 | .0714 | ---- | ---- | 2 | 550 | 10156 - 238 |
| 4200 | 1.17 | 1.17 | 1.17/1.17 | 1.17/1.17 | ---- | 1.12 - 0.03 | .0904 | ---- | ---- | 3 | ---- | 1319 + 3 |
| 4300 | ---- | ---- | ---- | ---- | ---- | 1.28 - 0.02 | .1011 | ---- | ---- | ---- | ---- | 447 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 1.44 - 0.04 | .1119 | ---- | ---- | ---- | ---- | 611 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.62 - 0.05 | .1236 | ---- | ---- | ---- | 700 | 11972 + 600 |
| 4550 | ---- | ---- | ---- | ---- | ---- | 1.72 - 0.04 | .1299 | ---- | ---- | ---- | ---- | 45 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.82 - 0.05 | .1362 | ---- | ---- | ---- | ---- | 744 UNCH |
| 4700 | 1.98 | 1.98 | 2.00B/1.98 | 2.00B/1.98 | ---- | 2.03 - 0.05 | .1491 | ---- | ---- | 50 | ---- | 1137 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 2.14 - 0.05 | .1558 | ---- | ---- | ---- | ---- | 126 UNCH |
| 4800 | 2.15 | 2.15 | 2.30/2.15 | 2.30/2.15 | ---- | 2.25 - 0.06 | .1626 | ---- | ---- | 51 | ---- | 740 + 49 |
| 4850 | ---- | ---- | ---- | ---- | ---- | 2.37 - 0.06 | .1697 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4900 | 2.41 | 2.41 | 2.47B/2.41 | 2.47B/2.41 | ---- | 2.49 - 0.06 | .1768 | ---- | ---- | 50 | ---- | 355 + 50 |
| 4950 | ---- | ---- | ----/2.67A | ----/2.67A | ---- | 2.62 - 0.06 | .1842 | ---- | ---- | ---- | ---- | 147 UNCH |
| 5000 | 2.70 | 2.70 | 2.72B/2.70 | 2.72B/2.70 | ---- | 2.74 - 0.07 | .1914 | ---- | ---- | 10 | 1150 | 17273 + 84 |
| 5050 | ---- | ---- | ----/2.92A | ----/2.92A | ---- | 2.88 - 0.06 | .1991 | ---- | ---- | ---- | ---- | 2027 UNCH |
| 5100 | ---- | ---- | ----/3.05A | ----/3.05A | ---- | 3.01 - 0.07 | .2067 | ---- | ---- | ---- | ---- | 1992 UNCH |
| 5200 | ---- | ---- | ----/3.32A | ----/3.32A | ---- | 3.28 - 0.08 | .2222 | ---- | ---- | 2000 | ---- | 6175 + 1951 |
| 5300 | ---- | ---- | ----/3.60A | ----/3.60A | ---- | 3.56 - 0.10 | .2382 | ---- | ---- | ---- | ---- | 1797 UNCH |
| 5350 | ---- | ---- | ----/3.74A | ----/3.74A | ---- | 3.70 - 0.11 | .2463 | ---- | ---- | ---- | ---- | 280 UNCH |
| 5400 | ---- | ---- | ----/3.89A | ----/3.89A | ---- | 3.85 - 0.11 | .2547 | ---- | ---- | ---- | ---- | 220 UNCH |
| 5450 | ---- | ---- | ----/4.04A | ----/4.04A | ---- | 4.00 - 0.12 | .2632 | ---- | ---- | ---- | ---- | 205 UNCH |
| 5500 | ---- | ---- | ----/4.20A | ----/4.20A | ---- | 4.15 - 0.12 | .2718 | ---- | ---- | ---- | ---- | 13437 UNCH |
| 5550 | ---- | ---- | ----/4.36A | ----/4.36A | ---- | 4.31 - 0.13 | .2806 | ---- | ---- | ---- | ---- | 325 UNCH |
| 5600 | ---- | ---- | ----/4.52A | ----/4.52A | ---- | 4.47 - 0.13 | .2895 | ---- | ---- | ---- | ---- | 1708 UNCH |
| 5650 | ---- | ---- | ----/4.68A | ----/4.68A | ---- | 4.64 - 0.13 | .2986 | ---- | ---- | ---- | ---- | 101 UNCH |
| 5700 | ---- | ---- | ----/4.85A | ----/4.85A | ---- | 4.80 - 0.14 | .3077 | ---- | ---- | ---- | ---- | 370 UNCH |
| 5750 | ---- | ---- | ----/5.02A | ----/5.02A | ---- | 4.97 - 0.15 | .3170 | ---- | ---- | ---- | ---- | 107 UNCH |
| 5800 | ---- | ---- | ----/5.20A | ----/5.20A | ---- | 5.15 - 0.15 | .3265 | ---- | ---- | ---- | ---- | 351 UNCH |
| 5850 | ---- | ---- | ----/*5.38A | ----/*5.38A | ---- | 5.33 - 0.15 | .3361 | ---- | ---- | ---- | ---- | 23 UNCH |
| 5900 | ---- | ---- | ----/5.56A | ----/5.56A | ---- | 5.51 - 0.16 | .3459 | ---- | ---- | ---- | ---- | 747 UNCH |
| 5950 | ---- | ---- | ----/5.75A | ----/5.75A | ---- | 5.70 - 0.17 | .3558 | ---- | ---- | ---- | ---- | 60 UNCH |
| 6000 | 6.02 | 6.02 | 6.02/5.94A | 6.02/5.94A | ---- | 5.90 - 0.17 | .3659 | ---- | ---- | 10 | 450 | 7170 - 455 |
| 6100 | ---- | ---- | ----/6.33A | ----/6.33A | ---- | 6.30 - 0.18 | .3863 | ---- | ---- | ---- | ---- | 50 UNCH |
| 6150 | ---- | ---- | ----/6.53A | ----/6.53A | ---- | 6.50 - 0.19 | .3968 | ---- | ---- | ---- | ---- | 10 UNCH |
| 6200 | ---- | ---- | ----/6.73A | ----/6.73A | ---- | 6.72 - 0.18 | .4073 | ---- | ---- | 1000 | ---- | 2123 + 1000 |
| 6250 | ---- | ---- | ----/6.94A | ----/6.94A | ---- | 6.93 - 0.19 | .4180 | ---- | ---- | ---- | ---- | 7 UNCH |
| 6300 | ---- | ---- | ----/7.16A | ----/7.16A | ---- | 7.16 - 0.19 | .4287 | ---- | ---- | ---- | ---- | 15 UNCH |
| 6350 | ---- | ---- | ----/7.38A | ----/7.38A | ---- | 7.39 - 0.19 | .4396 | ---- | ---- | ---- | ---- | 1 UNCH |
| 6400 | ---- | ---- | ----/7.60A | ----/7.60A | ---- | 7.62 - 0.19 | .4505 | ---- | ---- | ---- | ---- | 250 UNCH |
| 6500 | ---- | ---- | 8.30B/8.08A | 8.30B/8.08A | ---- | 8.10 - 0.19 | .4725 | ---- | ---- | ---- | ---- | 11 UNCH |
| 6600 | ---- | ---- | 8.82B/8.57A | 8.82B/8.57A | ---- | 8.61 - 0.18 | .4945 | ---- | ---- | ---- | ---- | 77 UNCH |
| 6700 | ---- | ---- | 9.36B/9.08A | 9.36B/9.08A | ---- | 9.13 - 0.18 | .5167 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6800 | ---- | ---- | 9.92B/9.64A | 9.92B/9.64A | ---- | 9.68 - 0.19 | .5388 | ---- | ---- | ---- | ---- | 2 UNCH |
| 7000 | ---- | ---- | 11.14B/10.77A | 11.14B/10.77A | ---- | 10.85 - 0.21 | .5828 | ---- | ---- | ---- | ---- | 204 UNCH |
| 7150 | ---- | ---- | 12.10B/11.72A | 12.10B/11.72A | ---- | 11.79 - 0.24 | .6151 | ---- | ---- | ---- | ---- | 5 UNCH |
| 7300 | ---- | ---- | 13.14B/12.69A | 13.14B/12.69A | ---- | 12.78 - 0.29 | .6464 | ---- | ---- | ---- | ---- | 2 UNCH |
| 8000 | ---- | ---- | 18.59B/17.90A | 18.59B/17.90A | ---- | 18.11 - 0.43 | .7680 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | 4179 | 2850 | 106940 + 4038 |
| JAN20 | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.09 - 0.18 | .3725 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1 |
| JUN20 | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.26 - 0.04 | .0942 | ---- | ---- | ---- | ---- | 600 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.22 - 0.06 | .1519 | ---- | ---- | ---- | ---- | 200 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 2.94 - 0.09 | .1925 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 3.49 - 0.11 | .2222 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 4.40 - 0.12 | .2703 | ---- | ---- | ---- | ---- | 22 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.05 - 0.15 | .3046 | ---- | ---- | ---- | ---- | 10 UNCH |
| 5600 | ---- | ---- | ---- | ---- | ---- | 5.41 - 0.15 | .3226 | ---- | ---- | ---- | ---- | 978 UNCH |
| 6000 | 7.15 | 7.15 | 7.15/7.15 | 7.15/7.15 | ---- | 6.98 - 0.17 | .3996 | ---- | ---- | 1 | ---- | 4 + 1 |
| TOTAL | | | | | | | | | | 1 | | 2214 + 1 |
| DEC20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0048 | ---- | ---- | ---- | ---- | 21 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.41 UNCH | .0335 | ---- | ---- | ---- | ---- | 1163 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.88 UNCH | .0660 | ---- | ---- | ---- | ---- | 2550 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.23 UNCH | .0879 | ---- | ---- | ---- | ---- | 500 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 1.31 UNCH | .0928 | ---- | ---- | ---- | ---- | 350 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.66 - 0.01 | .1134 | ---- | ---- | ---- | ---- | 1750 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 2.28 - 0.02 | .1483 | ---- | ---- | ---- | ---- | 151 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 2.76 - 0.01 | .1740 | ---- | ---- | ---- | ---- | 5722 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 3.56 - 0.02 | .2159 | ---- | ---- | ---- | ---- | 500 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 4.16 - 0.02 | .2461 | ---- | ---- | ---- | ---- | 5395 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 4.80 - 0.02 | .2780 | ---- | ---- | ---- | ---- | 1 UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 5.14 - 0.02 | .2947 | ---- | ---- | ---- | ---- | 1100 UNCH |
| 5400 | ---- | ---- | ---- | ---- | ---- | 5.49 - 0.03 | .3118 | ---- | ---- | ---- | ---- | 251 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 5.86 - 0.03 | .3294 | ---- | ---- | ---- | ---- | 570 UNCH |
| 5700 | ---- | ---- | ---- | ---- | ---- | 6.64 - 0.04 | .3659 | ---- | ---- | ---- | ---- | 20 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 7.06 - 0.03 | .3848 | ---- | ---- | ---- | ---- | 200 UNCH |
| 5900 | ---- | ---- | ---- | ---- | ---- | 7.49 - 0.04 | .4042 | ---- | ---- | ---- | ---- | 616 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 13.51 - 0.11 | .6198 | ---- | ---- | ---- | ---- | 600 UNCH |
| TOTAL | | | | | | | | | | | | 21460 |
| DEC21 | | | | | | | | | | | | |
| 3250 | ---- | ---- | ---- | ---- | ---- | 1.07 + 0.01 | .0713 | ---- | ---- | ---- | ---- | 2000 UNCH |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LO PUT | | NYMEX CRUDE OIL OPTIONS (PHY) | | | | | | | | | | | | |
| DEC21 | | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 3.76 | NEW | .2095 | ---- | ---- | ---- | 400 | 400 + | 400 |
| 5000 | ---- | ---- | ---- | ---- | ---- | 5.33 | + 0.01 | .2833 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 7.21 | NEW | .3677 | ---- | ---- | ---- | 400 | 400 + | 400 |
| 7000 | ---- | ---- | ---- | ---- | ---- | 15.61 | - 0.01 | .6336 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 8100 | ---- | ---- | ---- | ---- | ---- | 24.15 | - 0.05 | .7789 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 800 | 3025 + | 800 |
| DEC22 | | | | | | | | | | | | | | |
| 3150 | ---- | ---- | ---- | ---- | ---- | 1.35 | + 0.01 | .0812 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 1000 | |
| DEC23 | | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 1.60 | + 0.02 | .0879 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 1000 | |
| OH CALL | | NYMEX HEATING OIL (PHY) OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 15100 | ---- | ---- | ---- | ---- | ---- | 0.6190 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 16600 | ---- | ---- | ---- | ---- | ---- | 0.4690 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 16700 | ---- | ---- | ---- | ---- | ---- | 0.4590 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.4290 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 17200 | ---- | ---- | ---- | ---- | ---- | 0.4090 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.3290 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.2790 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.2590 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.2390 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.2290 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.1690 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.1590 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.1490 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.1390 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1290 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.1090 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.0890 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0790 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.0690 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0590 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.0490 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.0390 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0290 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.0190 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.0090 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.0000 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| TOTAL | | | | | | | | | | | | | 0 | |
| AUG18 | | | | | | | | | | | | | | |
| 16700 | ---- | ---- | ---- | ---- | ---- | 0.5096 | + 0.0471 | .9998 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.4796 | + 0.0471 | .9995 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 17400 | ---- | ---- | ---- | ---- | ---- | 0.4396 | + 0.0471 | .9987 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3107 | + 0.0463 | .9810 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.2912 | + 0.0459 | .9764 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2343 | + 0.0445 | .9372 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2250 | + 0.0443 | .9284 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2159 | + 0.0441 | .9210 | ---- | ---- | ---- | ---- | 202 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2068 | + 0.0440 | .9111 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.1978 | + 0.0438 | .8990 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1889 | + 0.0436 | .8874 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.1800 | + 0.0432 | .8771 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.1711 | + 0.0426 | .8650 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.1537 | + 0.0415 | .8364 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1452 | + 0.0407 | .8215 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.1286 | + 0.0387 | .7869 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.1128 | + 0.0361 | .7477 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21000 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.1052 | + 0.0347 | .7259 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 21100 | ---- | ---- | 0.0800B/---- | 0.0800B/---- | ---- | 0.0980 | + 0.0333 | .7023 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 21200 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0911 | + 0.0319 | .6774 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 21300 | ---- | ---- | #0.0900B/---- | #0.0900B/---- | ---- | 0.0845 | + 0.0305 | .6514 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | #0.0800B/---- | #0.0800B/---- | ---- | 0.0782 | + 0.0291 | .6247 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 21500 | ---- | ---- | 0.0800B/---- | 0.0800B/---- | ---- | 0.0722 | + 0.0277 | .5970 | ---- | ---- | ---- | ---- | 326 | UNCH |
| 21600 | 0.0500 | 0.0500 | 0.0700B/0.050 | 0.0700B/0.050 | ---- | 0.0665 | NEW | .5688 | ---- | ---- | 2 | ---- | 2 + | 2 |
| 21700 | 0.0500 | 0.0500 | #0.0600B/0.05 | #0.0600B/0.05 | ---- | 0.0611 | + 0.0248 | .5402 | ---- | ---- | 2 | ---- | 102 + | 2 |
| 21800 | ---- | ---- | #0.0600B/---- | #0.0600B/---- | ---- | 0.0560 | + 0.0233 | .5115 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 21900 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0512 | + 0.0219 | .4827 | ---- | ---- | ---- | ---- | 102 | UNCH |
| 22000 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0467 | + 0.0205 | .4541 | ---- | ---- | 1 | ---- | 627 | UNCH |
| 22100 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0425 | + 0.0191 | .4258 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 22300 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0350 | + 0.0166 | .3710 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22400 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0316 | + 0.0153 | .3445 | ---- | ---- | 5 | ---- | 5 | UNCH |
| 22500 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0285 | + 0.0141 | .3191 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 22600 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0256 | + 0.0130 | .2944 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 23000 | 0.0100 | 0.0100 | 0.0200/*0.010 | 0.0200/*0.010 | ---- | 0.0163 | + 0.0090 | .2069 | ---- | ---- | 23 | ---- | 290 - | 1 |
| 23200 | 0.0200 | 0.0200 | #0.0200/*0.02 | #0.0200/*0.02 | ---- | 0.0128 | NEW | .1701 | ---- | ---- | 1 | ---- | 1 + | 1 |
| 23500 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0087 | + 0.0052 | .1235 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 23600 | ---- | ---- | ---- | ---- | ---- | 0.0077 | + 0.0047 | .1111 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 23800 | ---- | ---- | ---- | ---- | ---- | 0.0059 | + 0.0037 | .0883 | ---- | ---- | ---- | ---- | 201 | UNCH |
| 24000 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0044 | + 0.0028 | .0686 | ---- | ---- | ---- | ---- | 575 | UNCH |
| 24200 | ---- | ---- | ---- | ---- | ---- | 0.0033 | + 0.0022 | .0532 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 24300 | ---- | ---- | ---- | ---- | ---- | 0.0029 | + 0.0020 | .0472 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0022 | + 0.0015 | .0367 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | 34 | | 3931 + | 4 |
| SEP18 | | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.5851 | + 0.0456 | .9939 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 16800 | ---- | ---- | ---- | ---- | ---- | 0.5057 | + 0.0455 | .9930 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 17200 | ---- | ---- | ---- | ---- | ---- | 0.4663 | + 0.0453 | .9869 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.4370 | + 0.0452 | .9745 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 17900 | ---- | ---- | ---- | ---- | ---- | 0.3982 | + 0.0449 | .9693 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.3886 | + 0.0448 | .9605 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3600 | + 0.0445 | .9538 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 18400 | ---- | ---- | ---- | ---- | ---- | 0.3505 | + 0.0444 | .9496 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.3411 | + 0.0443 | .9404 | ---- | ---- | ---- | ---- | 226 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3317 | + 0.0441 | .9396 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3224 | + 0.0440 | .9300 | ---- | ---- | ---- | ---- | 301 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3131 | + 0.0438 | .9244 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3039 | + 0.0436 | .9182 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.2947 | + 0.0434 | .9119 | ---- | ---- | ---- | ---- | 544 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.2766 | + 0.0430 | .8975 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.2676 | + 0.0427 | .8900 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2500 | + 0.0423 | .8758 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2413 | + 0.0420 | .8638 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2327 | + 0.0417 | .8565 | ---- | ---- | ---- | ---- | 152 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2242 | + 0.0414 | .8441 | ---- | ---- | ---- | ---- | 141 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2158 | + 0.0410 | .8332 | ---- | ---- | ---- | ---- | 85 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2075 | + 0.0406 | .8218 | ---- | ---- | ---- | ---- | 1104 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.1993 | + 0.0401 | .8099 | ---- | ---- | ---- | ---- | 230 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.1913 | + 0.0397 | .7975 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.1833 | + 0.0390 | .7844 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.1755 | + 0.0383 | .7710 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1679 | + 0.0376 | .7569 | ---- | ---- | ---- | ---- | 126 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.1604 | + 0.0368 | .7421 | ---- | ---- | ---- | ---- | 141 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.1531 | + 0.0359 | .7266 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 20800 | ---- | ---- | #0.1200B/---- | #0.1200B/---- | ---- | 0.1460 | + 0.0350 | .7105 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 20900 | ---- | ---- | #0.1100B/---- | #0.1100B/---- | ---- | 0.1392 | + 0.0343 | .6937 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 21000 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.1326 | + 0.0336 | .6766 | ---- | ---- | ---- | ---- | 1047 | UNCH |
| 21100 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.1261 | + 0.0332 | .6591 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 21200 | ---- | ---- | #0.1100B/---- | #0.1100B/---- | ---- | 0.1199 | + 0.0328 | .6412 | ---- | ---- | ---- | ---- | 322 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OH CALL | | NYMEX HEATING OIL (PHY) OPTIONS | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 21300 | ---- | ---- | #0.1100B/---- | #0.1100B/---- | ---- | 0.1138 + 0.0318 | .6229 | ---- | ---- | ---- | ---- | 83 UNCH |
| 21400 | ---- | ---- | #0.1100B/---- | #0.1100B/---- | ---- | 0.1079 + 0.0308 | .6044 | ---- | ---- | ---- | ---- | 117 UNCH |
| 21500 | ---- | ---- | #0.1000B/---- | #0.1000B/---- | ---- | 0.1023 + 0.0299 | .5857 | ---- | ---- | ---- | ---- | 130 UNCH |
| 21600 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.0968 + 0.0289 | .5668 | ---- | ---- | ---- | ---- | 48 UNCH |
| 21700 | ---- | ---- | #0.0900B/---- | #0.0900B/---- | ---- | 0.0915 + 0.0279 | .5478 | ---- | ---- | ---- | ---- | 150 UNCH |
| 21800 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0864 + 0.0269 | .5287 | ---- | ---- | ---- | ---- | 110 UNCH |
| 21900 | ---- | ---- | 0.0800B/---- | 0.0800B/---- | ---- | 0.0816 + 0.0259 | .5097 | ---- | ---- | ---- | ---- | 88 UNCH |
| 22000 | ---- | ---- | #0.0800B/---- | #0.0800B/---- | ---- | 0.0769 + 0.0249 | .4906 | ---- | ---- | 2 | ---- | 315 UNCH |
| 22100 | ---- | ---- | #0.0700B/---- | #0.0700B/---- | ---- | 0.0724 + 0.0239 | .4716 | ---- | ---- | ---- | ---- | 20 UNCH |
| 22200 | 0.0500 | 0.0500 | #0.0700B/0.05 | #0.0700B/0.05 | ---- | 0.0681 + 0.0229 | .4528 | ---- | ---- | 1 | ---- | 122 UNCH |
| 22300 | ---- | ---- | #0.0600B/---- | #0.0600B/---- | ---- | 0.0640 + 0.0219 | .4341 | ---- | ---- | ---- | ---- | 2 UNCH |
| 22400 | ---- | ---- | #0.0600B/---- | #0.0600B/---- | ---- | 0.0601 + 0.0209 | .4157 | ---- | ---- | ---- | ---- | 5 UNCH |
| 22500 | ---- | ---- | #0.0500B/---- | #0.0500B/---- | ---- | 0.0564 + 0.0200 | .3976 | ---- | ---- | ---- | ---- | 202 UNCH |
| 22700 | ---- | ---- | #0.0500B/---- | #0.0500B/---- | ---- | 0.0495 + 0.0181 | .3622 | ---- | ---- | ---- | ---- | 6 UNCH |
| 22800 | ---- | ---- | #0.0400B/---- | #0.0400B/---- | ---- | 0.0463 + 0.0172 | .3451 | ---- | ---- | ---- | ---- | 2 UNCH |
| 23000 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0403 + 0.0154 | .3117 | ---- | ---- | ---- | 50 | 890 UNCH |
| 23500 | 0.0300 | 0.0300 | 0.0300/*0.030 | 0.0300/*0.030 | ---- | 0.0280 + 0.0113 | .2363 | ---- | ---- | 30 | ---- | 475 - 1 |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0191 + 0.0081 | .1742 | ---- | ---- | ---- | ---- | 689 UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0127 + 0.0056 | .1245 | ---- | ---- | ---- | ---- | 50 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0082 + 0.0037 | .0861 | ---- | ---- | ---- | ---- | 350 UNCH |
| 25500 | ---- | ---- | ---- | ---- | ---- | 0.0052 + 0.0024 | .0580 | ---- | ---- | ---- | ---- | 475 UNCH |
| TOTAL | | | | | | | | | | 33 | 50 | 11196 - 1 |
| OCT18 | | | | | | | | | | | | |
| 16900 | ---- | ---- | ---- | ---- | ---- | 0.5015 + 0.0437 | .9884 | ---- | ---- | ---- | ---- | 1 UNCH |
| 17400 | ---- | ---- | ---- | ---- | ---- | 0.4532 + 0.0434 | .9743 | ---- | ---- | ---- | ---- | 2 UNCH |
| 17800 | ---- | ---- | ---- | ---- | ---- | 0.4151 + 0.0429 | .9598 | ---- | ---- | ---- | ---- | 2 UNCH |
| 18100 | ---- | ---- | ---- | ---- | ---- | 0.3870 + 0.0425 | .9462 | ---- | ---- | ---- | ---- | 1 UNCH |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3686 + 0.0423 | .9353 | ---- | ---- | ---- | ---- | 100 UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.3503 + 0.0419 | .9184 | ---- | ---- | ---- | ---- | 1 UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3323 + 0.0416 | .9110 | ---- | ---- | ---- | ---- | 1 UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.2883 + 0.0406 | .8739 | ---- | ---- | ---- | ---- | 1 UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2627 + 0.0397 | .8480 | ---- | ---- | ---- | ---- | 50 UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2544 + 0.0394 | .8383 | ---- | ---- | ---- | ---- | 2 UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2461 + 0.0390 | .8287 | ---- | ---- | ---- | ---- | 2 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2219 + 0.0379 | .7969 | ---- | ---- | ---- | ---- | 175 UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.1766 + 0.0346 | .7229 | ---- | ---- | ---- | ---- | 3 UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.1559 + 0.0325 | .6805 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1493 + 0.0317 | .6653 | ---- | ---- | ---- | ---- | 226 UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1249 + 0.0287 | .6038 | ---- | ---- | ---- | ---- | 3 UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1192 + 0.0278 | .5877 | ---- | ---- | ---- | ---- | 7 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1033 + 0.0253 | .5392 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0937 NEW | .5067 | ---- | ---- | 2 | ---- | 2 + 2 |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0419 + 0.0134 | .2851 | ---- | ---- | ---- | ---- | 1 UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0312 + 0.0107 | .2264 | ---- | ---- | ---- | ---- | 63 UNCH |
| TOTAL | | | | | | | | | | 2 | | 645 + 2 |
| NOV18 | | | | | | | | | | | | |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.3626 + 0.0417 | .8966 | ---- | ---- | ---- | ---- | 1 UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3447 + 0.0415 | .8849 | ---- | ---- | ---- | ---- | 2 UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3269 + 0.0410 | .8726 | ---- | ---- | ---- | ---- | 3 UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3181 + 0.0408 | .8659 | ---- | ---- | ---- | ---- | 42 UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.2836 + 0.0392 | .8364 | ---- | ---- | ---- | ---- | 2 UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2752 + 0.0388 | .8281 | ---- | ---- | ---- | ---- | 1 UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2670 + 0.0384 | .8192 | ---- | ---- | ---- | ---- | 2 UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2589 + 0.0380 | .8099 | ---- | ---- | ---- | ---- | 3 UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2509 + 0.0376 | .7977 | ---- | ---- | ---- | ---- | 5 UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.2276 + 0.0359 | .7694 | ---- | ---- | ---- | ---- | 1 UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1985 + 0.0334 | .7219 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1659 + 0.0301 | .6581 | ---- | ---- | ---- | ---- | 5 UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1599 + 0.0293 | .6447 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1540 + 0.0284 | .6311 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1483 + 0.0275 | .6174 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1428 + 0.0267 | .6036 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1376 + 0.0261 | .5897 | ---- | ---- | ---- | ---- | 28 UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1326 + 0.0256 | .5757 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1277 + 0.0250 | .5618 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1230 + 0.0245 | .5480 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1184 + 0.0239 | .5342 | ---- | ---- | ---- | ---- | 2 UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1139 + 0.0233 | .5205 | ---- | ---- | 2 | ---- | 4 + 2 |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1096 + 0.0228 | .5069 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1053 + 0.0222 | .4933 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0934 + 0.0205 | .4536 | ---- | ---- | ---- | ---- | 5 UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.0860 + 0.0193 | .4278 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0759 + 0.0176 | .3906 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23200 | ---- | ---- | ---- | ---- | ---- | 0.0698 + 0.0166 | .3668 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | 2 | | 128 + 2 |
| DEC18 | | | | | | | | | | | | |
| 18300 | ---- | ---- | ---- | ---- | ---- | 0.3901 + 0.0405 | .8926 | ---- | ---- | ---- | ---- | 100 UNCH |
| 18400 | ---- | ---- | ---- | ---- | ---- | 0.3814 + 0.0403 | .8802 | ---- | ---- | ---- | ---- | 200 UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.3728 + 0.0401 | .8743 | ---- | ---- | ---- | ---- | 100 UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.3643 + 0.0399 | .8678 | ---- | ---- | ---- | ---- | 51 UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3559 + 0.0398 | .8613 | ---- | ---- | ---- | ---- | 50 UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3475 + 0.0396 | .8544 | ---- | ---- | ---- | ---- | 300 UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3392 + 0.0393 | .8475 | ---- | ---- | ---- | ---- | 29 UNCH |
| 19100 | ---- | ---- | ---- | ---- | ---- | 0.3229 + 0.0389 | .8368 | ---- | ---- | ---- | ---- | 200 UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.3069 + 0.0384 | .8169 | ---- | ---- | ---- | ---- | 50 UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.2990 + 0.0381 | .8122 | ---- | ---- | ---- | ---- | 2 UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.2912 + 0.0378 | .8004 | ---- | ---- | ---- | ---- | 301 UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2836 + 0.0376 | .7917 | ---- | ---- | ---- | ---- | 13 UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2760 + 0.0373 | .7854 | ---- | ---- | ---- | ---- | 50 UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2685 + 0.0370 | .7737 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2611 + 0.0366 | .7666 | ---- | ---- | ---- | ---- | 2 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2538 + 0.0363 | .7548 | ---- | ---- | ---- | ---- | 735 UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.2467 + 0.0360 | .7468 | ---- | ---- | ---- | ---- | 26 UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.1998 + 0.0333 | .6719 | ---- | ---- | ---- | ---- | 2 UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.1936 + 0.0329 | .6600 | ---- | ---- | ---- | ---- | 5 UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1875 + 0.0325 | .6486 | ---- | ---- | ---- | ---- | 78 UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1815 + 0.0320 | .6372 | ---- | ---- | ---- | ---- | 3 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1757 + 0.0316 | .6259 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1699 + 0.0311 | .6140 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1643 + 0.0306 | .6023 | ---- | ---- | ---- | ---- | 3 UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1588 + 0.0301 | .5905 | ---- | ---- | ---- | ---- | 804 UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1534 + 0.0296 | .5786 | ---- | ---- | ---- | ---- | 18 UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1482 + 0.0291 | .5667 | ---- | ---- | ---- | ---- | 2 UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1430 + 0.0285 | .5548 | ---- | ---- | ---- | ---- | 9 UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1380 + 0.0279 | .5428 | ---- | ---- | ---- | ---- | 16 UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1332 + 0.0275 | .5308 | ---- | ---- | 2 | ---- | 585 + 2 |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1284 + 0.0269 | .5188 | ---- | ---- | ---- | ---- | 51 UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1238 + 0.0263 | .5068 | ---- | ---- | ---- | ---- | 6 UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.1194 + 0.0259 | .4949 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1107 + 0.0246 | .4712 | ---- | ---- | ---- | 100 | 256 + 100 |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1065 + 0.0239 | .4594 | ---- | ---- | ---- | ---- | 25 UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1024 + 0.0231 | .4476 | ---- | ---- | ---- | ---- | 2 UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.0984 + 0.0224 | .4359 | ---- | ---- | ---- | ---- | 5 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0912 + 0.0214 | .4133 | ---- | ---- | ---- | 90 | 202 + 50 |
| 23300 | ---- | ---- | ---- | ---- | ---- | 0.0812 + 0.0200 | .3803 | ---- | ---- | ---- | ---- | 4 UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0751 + 0.0191 | .3592 | ---- | ---- | ---- | ---- | 117 UNCH |
| 23600 | ---- | ---- | ---- | ---- | ---- | 0.0722 + 0.0186 | .3488 | ---- | ---- | ---- | ---- | 4 UNCH |
| 23900 | ---- | ---- | ---- | ---- | ---- | 0.0641 + 0.0173 | .3190 | ---- | ---- | ---- | ---- | 1 UNCH |
| 24000 | 0.0500 | 0.0500 | #0.0500/*0.05 | #0.0500/*0.05 | ---- | 0.0616 + 0.0169 | .3095 | ---- | ---- | 1 | ---- | 36 + 1 |
| 24300 | ---- | ---- | ---- | ---- | ---- | 0.0545 + 0.0156 | .2817 | ---- | ---- | ---- | ---- | 1 UNCH |
| 24400 | ---- | ---- | ---- | ---- | ---- | 0.0523 + 0.0152 | .2729 | ---- | ---- | ---- | ---- | 6 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0406 + 0.0124 | .2236 | ---- | ---- | ---- | ---- | 685 UNCH |
| 25500 | ---- | ---- | ---- | ---- | ---- | 0.0327 + 0.0101 | .1879 | ---- | ---- | ---- | ---- | 60 UNCH |
| 26000 | ---- | ---- | ---- | ---- | ---- | 0.0262 + 0.0081 | .1566 | ---- | ---- | ---- | ---- | 32 UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OH CALL | | NYMEX HEATING OIL (PHY) OPTIONS | | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | | |
| 27000 | ---- | ---- | ---- | ---- | ---- | 0.0165 + 0.0054 | .1064 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 27500 | ---- | ---- | ---- | ---- | ---- | 0.0130 + 0.0044 | .0868 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 28000 | ---- | ---- | ---- | ---- | ---- | 0.0102 + 0.0036 | .0704 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 30000 | ---- | ---- | ---- | ---- | ---- | 0.0037 + 0.0016 | .0288 | ---- | ---- | ---- | ---- | 53 | UNCH |
| TOTAL | | | | | | | | | | 3 | 190 | 5928 + | 153 |
| JAN19 | | | | | | | | | | | | | |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.3854 + 0.0381 | .8618 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.3685 + 0.0376 | .8442 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3518 + 0.0371 | .8363 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3436 + 0.0369 | .8248 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.3275 + 0.0365 | .8147 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.3117 + 0.0360 | .7994 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.3039 + 0.0357 | .7882 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.2962 + 0.0354 | .7832 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2886 + 0.0350 | .7749 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2810 + 0.0345 | .7664 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2736 + 0.0340 | .7576 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2663 + 0.0336 | .7486 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.2592 + 0.0332 | .7374 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2125 + 0.0301 | .6696 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.2064 + 0.0297 | .6590 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2003 + 0.0292 | .6480 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1944 + 0.0288 | .6373 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1885 + 0.0283 | .6266 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1828 + 0.0278 | .6158 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1772 + 0.0273 | .6049 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1718 + 0.0269 | .5940 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1664 + 0.0264 | .5831 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1612 + 0.0259 | .5720 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1561 + 0.0254 | .5609 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1511 + 0.0249 | .5498 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1462 + 0.0244 | .5387 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1415 + 0.0240 | .5276 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1369 + 0.0235 | .5166 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1279 + 0.0225 | .4945 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1237 + 0.0221 | .4836 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1154 + 0.0210 | .4619 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1115 + 0.0205 | .4512 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 22900 | ---- | ---- | ---- | ---- | ---- | 0.1076 + 0.0199 | .4405 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1039 + 0.0194 | .4299 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 23800 | ---- | ---- | ---- | ---- | ---- | 0.0783 + 0.0158 | .3504 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 23900 | ---- | ---- | ---- | ---- | ---- | 0.0755 + 0.0154 | .3411 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 24100 | ---- | ---- | ---- | ---- | ---- | 0.0702 + 0.0146 | .3230 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 188 | |
| FEB19 | | | | | | | | | | | | | |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3618 + 0.0350 | .8360 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3538 + 0.0347 | .8289 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.3460 + 0.0344 | .8165 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19100 | ---- | ---- | ---- | ---- | ---- | 0.3382 + 0.0341 | .8139 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.3306 + 0.0339 | .8017 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.3155 + 0.0333 | .7900 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.3081 + 0.0330 | .7783 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.3008 + 0.0327 | .7733 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2936 + 0.0324 | .7647 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2866 + 0.0321 | .7558 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2796 + 0.0318 | .7446 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2727 + 0.0314 | .7358 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.2592 + 0.0307 | .7178 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2335 + 0.0292 | .6802 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2213 + 0.0283 | .6608 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.2154 + 0.0279 | .6516 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2096 + 0.0275 | .6411 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2039 + 0.0271 | .6311 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1984 + 0.0268 | .6213 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1929 + 0.0264 | .6111 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1875 + 0.0259 | .6008 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1823 + 0.0256 | .5906 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1771 + 0.0251 | .5805 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1721 + 0.0248 | .5702 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1672 + 0.0244 | .5600 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1623 + 0.0239 | .5498 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1576 + 0.0235 | .5396 | ---- | ---- | ---- | ---- | 201 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1530 + 0.0232 | .5294 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1485 + 0.0228 | .5192 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.1440 + 0.0223 | .5091 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1355 + 0.0215 | .4889 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1273 + 0.0206 | .4690 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1234 + 0.0203 | .4592 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1158 + 0.0194 | .4396 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 23400 | ---- | ---- | ---- | ---- | ---- | 0.1018 + 0.0178 | .4017 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 23800 | ---- | ---- | ---- | ---- | ---- | 0.0892 + 0.0163 | .3653 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0834 + 0.0156 | .3478 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0591 + 0.0121 | .2681 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 28000 | ---- | ---- | ---- | ---- | ---- | 0.0192 + 0.0050 | .1074 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | 584 | |
| MAR19 | | | | | | | | | | | | | |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3632 + 0.0334 | .8126 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3555 + 0.0332 | .8056 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.3331 + 0.0325 | .7838 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.3257 + 0.0322 | .7764 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.3185 + 0.0320 | .7720 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.3043 + 0.0315 | .7557 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.2974 + 0.0313 | .7473 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2905 + 0.0309 | .7389 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2837 + 0.0306 | .7304 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2770 + 0.0303 | .7198 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.2512 + 0.0291 | .6862 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.2329 + 0.0281 | .6579 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2270 + 0.0278 | .6487 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.2212 + 0.0274 | .6399 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2155 + 0.0271 | .6304 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2099 + 0.0267 | .6207 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2044 + 0.0264 | .6114 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1990 + 0.0260 | .6019 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1937 + 0.0256 | .5922 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1885 + 0.0252 | .5827 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1784 + 0.0244 | .5635 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1735 + 0.0240 | .5539 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1688 + 0.0237 | .5443 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1641 + 0.0232 | .5347 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1596 + 0.0229 | .5251 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1551 + 0.0225 | .5156 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1465 + 0.0218 | .4966 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1423 + 0.0214 | .4872 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1382 + 0.0210 | .4778 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1342 + 0.0206 | .4685 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1304 + 0.0203 | .4593 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1228 + 0.0195 | .4410 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 23400 | ---- | ---- | ---- | ---- | ---- | 0.1089 + 0.0181 | .4053 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.1056 + 0.0178 | .3966 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0903 + 0.0160 | .3544 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 24300 | ---- | ---- | ---- | ---- | ---- | 0.0821 + 0.0149 | .3304 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0655 + 0.0127 | .2784 | ---- | ---- | ---- | ---- | 315 | UNCH |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OH CALL | | NYMEX HEATING OIL (PHY) OPTIONS | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | 531 | |
| APR19 | | | | | | | | | | | | | | |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.3590 | + 0.0320 | .7991 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3517 | + 0.0318 | .7916 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.3301 | + 0.0310 | .7689 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.3162 | + 0.0305 | .7531 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.3027 | + 0.0301 | .7369 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2830 | + 0.0292 | .7120 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.2766 | + 0.0289 | .7020 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.2520 | + 0.0277 | .6690 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2403 | + 0.0271 | .6508 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.2346 | + 0.0268 | .6420 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2290 | + 0.0265 | .6336 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.2235 | + 0.0262 | .6246 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2180 | + 0.0258 | .6157 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2127 | + 0.0255 | .6067 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2075 | + 0.0252 | .5977 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.2023 | + 0.0248 | .5887 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1923 | + 0.0242 | .5706 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1875 | + 0.0239 | .5616 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1827 | + 0.0236 | .5526 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1780 | + 0.0232 | .5436 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1734 | + 0.0229 | .5346 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1689 | + 0.0226 | .5256 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1645 | + 0.0223 | .5167 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1601 | + 0.0219 | .5078 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.1559 | + 0.0216 | .4989 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1476 | + 0.0208 | .4813 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1436 | + 0.0204 | .4725 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1397 | + 0.0201 | .4638 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1359 | + 0.0197 | .4552 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1286 | + 0.0190 | .4382 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 23900 | ---- | ---- | ---- | ---- | ---- | 0.0996 | + 0.0161 | .3653 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0967 | + 0.0158 | .3575 | ---- | ---- | ---- | ---- | 27 | UNCH |
| 24300 | ---- | ---- | ---- | ---- | ---- | 0.0886 | + 0.0148 | .3351 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0835 | + 0.0142 | .3206 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | | 175 | |
| MAY19 | | | | | | | | | | | | | | |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.3568 | + 0.0316 | .7735 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.3351 | + 0.0308 | .7524 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.2942 | + 0.0292 | .7071 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.2877 | + 0.0289 | .6992 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.2450 | + 0.0267 | .6418 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2338 | + 0.0261 | .6246 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.2283 | + 0.0258 | .6164 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2228 | + 0.0254 | .6079 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.2175 | + 0.0250 | .5993 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.2123 | + 0.0247 | .5907 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1973 | + 0.0234 | .5649 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1925 | + 0.0230 | .5564 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1879 | + 0.0227 | .5478 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1833 | + 0.0223 | .5392 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1746 | + 0.0217 | .5223 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1662 | + 0.0210 | .5054 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.1621 | + 0.0207 | .4971 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1542 | + 0.0200 | .4805 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1430 | + 0.0191 | .4561 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1358 | + 0.0184 | .4401 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 24100 | ---- | ---- | ---- | ---- | ---- | 0.1022 | + 0.0150 | .3579 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0920 | + 0.0139 | .3306 | ---- | ---- | ---- | ---- | 6 | UNCH |
| TOTAL | | | | | | | | | | | | | 71 | |
| JUN19 | | | | | | | | | | | | | | |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.2570 | + 0.0260 | .6453 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.2404 | + 0.0251 | .6209 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.2298 | + 0.0246 | .6046 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1953 | + 0.0226 | .5472 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1907 | + 0.0224 | .5391 | ---- | ---- | ---- | ---- | 56 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1861 | + 0.0220 | .5309 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1817 | + 0.0218 | .5228 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.1730 | + 0.0212 | .5065 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0840 | + 0.0131 | .3032 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | | 295 | |
| DEC19 | | | | | | | | | | | | | | |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.2189 | + 0.0210 | .5298 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 35000 | ---- | ---- | ---- | ---- | ---- | 0.0151 | + 0.0027 | .0630 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | | 150 | |
| OH PUT | | NYMEX HEATING OIL (PHY) OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0000 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.0010 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.0210 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.0310 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.0410 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.0510 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.0610 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0710 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.0810 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22200 | ---- | ---- | ---- | ---- | ---- | 0.0910 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22300 | ---- | ---- | ---- | ---- | ---- | 0.1010 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1110 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1210 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1310 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1410 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| TOTAL | | | | | | | | | | | | | 0 | |
| AUG18 | | | | | | | | | | | | | | |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0009 | - 0.0007 | .0135 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.0013 | - 0.0009 | .0190 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0023 | - 0.0014 | .0317 | ---- | ---- | ---- | ---- | 850 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0049 | - 0.0026 | .0627 | ---- | ---- | ---- | ---- | 350 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.0057 | - 0.0028 | .0716 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 19900 | ---- | ---- | ----/0.0100A | ----/0.0100A | ---- | 0.0084 | - 0.0033 | .1009 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0095 | - 0.0035 | .1125 | ---- | ---- | 1 | ---- | 632 | UNCH |
| 20400 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0143 | - 0.0056 | .1635 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 20500 | ---- | ---- | ----/0.0200A | ----/0.0200A | ---- | 0.0157 | - 0.0064 | .1784 | ---- | ---- | ---- | ---- | 214 | UNCH |
| 20600 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0174 | - 0.0072 | .1952 | ---- | ---- | 5 | ---- | 10 | UNCH |
| 20700 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0192 | - 0.0083 | .2130 | ---- | ---- | ---- | ---- | 47 | UNCH |
| 20800 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0211 | - 0.0096 | .2317 | ---- | ---- | ---- | ---- | 206 | UNCH |
| 20900 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0233 | - 0.0109 | .2522 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 21000 | ---- | ---- | ----/0.0300A | ----/0.0300A | ---- | 0.0257 | - 0.0124 | .2740 | ---- | ---- | ---- | ---- | 215 | UNCH |
| 21100 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0285 | - 0.0137 | .2976 | ---- | ---- | ---- | ---- | 59 | UNCH |
| 21200 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0316 | - 0.0151 | .3225 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 21300 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0350 | - 0.0165 | .3485 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0426 | - 0.0194 | .4029 | ---- | ---- | ---- | ---- | 151 | UNCH |
| 21600 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0469 | - 0.0208 | .4311 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 21700 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0516 | - 0.0221 | .4597 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21800 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0564 | - 0.0237 | .4884 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 22000 | 0.0800 | 0.0800 | 0.0800/0.0600/ | 0.0800/0.0600/ | ---- | 0.0671 | - 0.0265 | .5458 | ---- | ---- | 1 | ---- | 65 | UNCH |
| 22100 | ---- | ---- | ----/0.0700A | ----/0.0700A | ---- | 0.0729 | - 0.0279 | .5741 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 22200 | ---- | ---- | ----/0.0800A | ----/0.0800A | ---- | 0.0790 | - 0.0292 | .6019 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 22300 | ---- | ---- | ----/0.0800A | ----/0.0800A | ---- | 0.0853 | - 0.0305 | .6289 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1059 | - 0.0341 | .7055 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | 7 | | 3630 | |

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**FINAL**



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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OH PUT | | NYMEX HEATING OIL (PHY) OPTIONS | | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | | |
| 14500 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0010 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0006 | - 0.0001 | .0060 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0010 | - 0.0002 | .0098 | ---- | ---- | ---- | ---- | 173 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.0017 | - 0.0003 | .0163 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0027 | - 0.0005 | .0254 | ---- | ---- | ---- | ---- | 201 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0043 | - 0.0009 | .0394 | ---- | ---- | ---- | ---- | 527 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0067 | - 0.0014 | .0595 | ---- | ---- | ---- | ---- | 636 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.0080 | - 0.0017 | .0699 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.0087 | - 0.0019 | .0755 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.0095 | - 0.0020 | .0817 | ---- | ---- | ---- | ---- | 452 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0103 | - 0.0022 | .0880 | ---- | ---- | ---- | ---- | 1003 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.0122 | - 0.0026 | .1024 | ---- | ---- | ---- | ---- | 47 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.0132 | - 0.0028 | .1100 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.0168 | - 0.0036 | .1361 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 19800 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0196 | - 0.0042 | .1559 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 19900 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0212 | - 0.0046 | .1667 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 20000 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0229 | - 0.0049 | .1781 | ---- | ---- | 35 | 500 | 1720 + | 535 |
| 20100 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0247 | - 0.0054 | .1900 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 20200 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0266 | - 0.0060 | .2024 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 20300 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0287 | - 0.0065 | .2156 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 20400 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0308 | - 0.0072 | .2289 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 20500 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0331 | - 0.0080 | .2430 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 20600 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0356 | - 0.0088 | .2578 | ---- | ---- | ---- | ---- | 151 | UNCH |
| 20700 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0383 | - 0.0097 | .2733 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 20800 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0412 | - 0.0105 | .2894 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 20900 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0444 | - 0.0113 | .3062 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 21000 | ---- | ---- | ----/0.0500A | ----/0.0500A | ---- | 0.0477 | - 0.0120 | .3233 | ---- | ---- | ---- | 50 | 1090 | UNCH |
| 21100 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0512 | - 0.0124 | .3408 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 21200 | ---- | ---- | ----/0.0500A | ----/0.0500A | ---- | 0.0549 | - 0.0129 | .3587 | ---- | ---- | ---- | ---- | 82 | UNCH |
| 21300 | ---- | ---- | ----/*0.0600A | ----/*0.0600A | ---- | 0.0589 | - 0.0137 | .3770 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 21400 | ---- | ---- | ----/*0.0600A | ----/*0.0600A | ---- | 0.0630 | - 0.0147 | .3955 | ---- | ---- | ---- | ---- | 117 | UNCH |
| 21500 | ---- | ---- | ----/0.0600A | ----/0.0600A | ---- | 0.0673 | - 0.0157 | .4142 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 21600 | ---- | ---- | ----/*0.0700A | ----/*0.0700A | ---- | 0.0718 | - 0.0166 | .4331 | ---- | ---- | ---- | ---- | 48 | UNCH |
| 21700 | ---- | ---- | ----/*0.0700A | ----/*0.0700A | ---- | 0.0764 | - 0.0177 | .4521 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 21800 | ---- | ---- | ----/*0.0800A | ----/*0.0800A | ---- | 0.0813 | - 0.0187 | .4712 | ---- | ---- | ---- | ---- | 109 | UNCH |
| 21900 | ---- | ---- | ----/*0.0800A | ----/*0.0800A | ---- | 0.0864 | - 0.0197 | .4902 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 22000 | ---- | ---- | ----/*0.0900A | ----/*0.0900A | ---- | 0.0917 | - 0.0207 | .5093 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 22100 | ---- | ---- | ----/*0.0900A | ----/*0.0900A | ---- | 0.0972 | - 0.0217 | .5283 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 22200 | ---- | ---- | ----/*0.1000A | ----/*0.1000A | ---- | 0.1029 | - 0.0227 | .5471 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 22300 | ---- | ---- | ----/*0.1000A | ----/*0.1000A | ---- | 0.1088 | - 0.0237 | .5658 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1341 | - 0.0275 | .6377 | ---- | ---- | ---- | ---- | 6 | UNCH |
| TOTAL | | | | | | | | | | | 35 | 550 | 8229 + | 535 |
| OCT18 | | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0072 | - 0.0015 | .0557 | ---- | ---- | ---- | ---- | 24 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0111 | - 0.0022 | .0815 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0439 | - 0.0090 | .2647 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0593 | - 0.0124 | .3346 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.0666 | - 0.0139 | .3649 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.0790 | - 0.0163 | .4122 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1511 | - 0.0264 | .6192 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | | 148 | |
| NOV18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0092 | - 0.0016 | .0591 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.0262 | - 0.0033 | .1519 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.0362 | - 0.0057 | .2022 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0535 | - 0.0098 | .2780 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0706 | - 0.0132 | .3418 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.0745 | - 0.0140 | .3552 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.0786 | - 0.0149 | .3688 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.0828 | - 0.0158 | .3825 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.0873 | - 0.0165 | .3963 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.0970 | - 0.0177 | .4242 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1021 | - 0.0182 | .4381 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1181 | - 0.0199 | .4794 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1237 | - 0.0205 | .4930 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1473 | - 0.0228 | .5463 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | | 65 | |
| DEC18 | | | | | | | | | | | | | | |
| 14200 | ---- | ---- | ---- | ---- | ---- | 0.0007 | UNCH | .0052 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 14800 | ---- | ---- | ---- | ---- | ---- | 0.0014 | UNCH | .0098 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0017 | - 0.0001 | .0117 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 15200 | ---- | ---- | ---- | ---- | ---- | 0.0021 | - 0.0001 | .0142 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0065 | - 0.0005 | .0393 | ---- | ---- | ---- | ---- | 73 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.0095 | - 0.0006 | .0549 | ---- | ---- | ---- | ---- | 205 | UNCH |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0132 | - 0.0010 | .0737 | ---- | ---- | ---- | ---- | 309 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0181 | - 0.0015 | .0972 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 18400 | ---- | ---- | ---- | ---- | ---- | 0.0230 | - 0.0020 | .1197 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0243 | - 0.0022 | .1256 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.0258 | - 0.0023 | .1321 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.0273 | - 0.0025 | .1386 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.0289 | - 0.0027 | .1455 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.0305 | - 0.0029 | .1524 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0323 | - 0.0031 | .1598 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.0380 | - 0.0038 | .1830 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0422 | - 0.0044 | .1995 | ---- | ---- | ---- | ---- | 256 | UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.0445 | - 0.0047 | .2083 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 19800 | ---- | ---- | ---- | ---- | ---- | 0.0493 | - 0.0053 | .2262 | ---- | ---- | ---- | ---- | 17 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0545 | - 0.0060 | .2451 | ---- | ---- | ---- | ---- | 460 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0696 | - 0.0077 | .2961 | ---- | ---- | ---- | ---- | 251 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.0729 | - 0.0081 | .3067 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0764 | - 0.0085 | .3177 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.0837 | - 0.0093 | .3399 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0876 | - 0.0097 | .3513 | ---- | ---- | ---- | 90 | 142 + | 65 |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.0915 | - 0.0102 | .3627 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.0998 | - 0.0111 | .3859 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1041 | - 0.0116 | .3976 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1085 | - 0.0121 | .4094 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1131 | - 0.0126 | .4213 | ---- | ---- | ---- | ---- | 18 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1178 | - 0.0131 | .4332 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1226 | - 0.0137 | .4451 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1275 | - 0.0142 | .4571 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1326 | - 0.0147 | .4691 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1378 | - 0.0153 | .4811 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1598 | - 0.0176 | .5287 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1655 | - 0.0184 | .5405 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 90 | 3452 + | 65 |
| JAN19 | | | | | | | | | | | | | | |
| 18100 | ---- | ---- | ---- | ---- | ---- | 0.0270 | - 0.0021 | .1224 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18400 | ---- | ---- | ---- | ---- | ---- | 0.0308 | - 0.0027 | .1381 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.0337 | - 0.0031 | .1497 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.0352 | - 0.0034 | .1557 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.0368 | - 0.0036 | .1620 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0402 | - 0.0040 | .1751 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0501 | - 0.0053 | .2117 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.0650 | - 0.0077 | .2626 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.0679 | - 0.0082 | .2718 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.0709 | - 0.0086 | .2812 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.0741 | - 0.0090 | .2909 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0773 | - 0.0095 | .3007 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0842 | - 0.0103 | .3208 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0954 | - 0.0117 | .3520 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.0994 | - 0.0121 | .3626 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1035 | - 0.0126 | .3733 | ---- | ---- | ---- | ---- | 1 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OH PUT | | NYMEX HEATING OIL (PHY) OPTIONS | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.1077 - 0.0131 | .3841 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1121 - 0.0135 | .3950 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1165 - 0.0140 | .4059 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1258 - 0.0149 | .4279 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1458 - 0.0168 | .4723 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1676 - 0.0188 | .5163 | ---- | ---- | ---- | ---- | 3 | UNCH |
| TOTAL | | | | | | | | | | | | 44 | |
| FEB19 | | | | | | | | | | | | | |
| 16400 | ---- | ---- | ---- | ---- | ---- | 0.0109 - 0.0010 | .0544 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.0365 - 0.0038 | .1560 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0444 - 0.0047 | .1834 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.0488 - 0.0053 | .1982 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0561 - 0.0062 | .2216 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.0672 - 0.0074 | .2553 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0702 - 0.0078 | .2641 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.0766 - 0.0084 | .2821 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.0799 - 0.0088 | .2913 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.0834 - 0.0091 | .3007 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0869 - 0.0096 | .3101 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.0906 - 0.0099 | .3197 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0943 - 0.0104 | .3293 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.0982 - 0.0108 | .3391 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.1063 - 0.0116 | .3588 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1105 - 0.0120 | .3688 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1238 - 0.0132 | .3991 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1381 - 0.0144 | .4297 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1431 - 0.0148 | .4399 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1482 - 0.0152 | .4501 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1586 - 0.0160 | .4705 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1808 - 0.0176 | .5110 | ---- | ---- | ---- | ---- | 2 | UNCH |
| TOTAL | | | | | | | | | | | | 115 | |
| MAR19 | | | | | | | | | | | | | |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0342 - 0.0025 | .1379 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 18600 | ---- | ---- | ---- | ---- | ---- | 0.0451 - 0.0037 | .1740 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.0472 - 0.0039 | .1806 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.0493 - 0.0042 | .1873 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.0516 - 0.0044 | .1943 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.0589 - 0.0050 | .2161 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.0614 - 0.0053 | .2235 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0669 - 0.0058 | .2391 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0821 - 0.0071 | .2801 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.0888 - 0.0077 | .2973 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.0923 - 0.0080 | .3061 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0996 - 0.0087 | .3239 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.1073 - 0.0093 | .3421 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.1112 - 0.0098 | .3512 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.1238 - 0.0108 | .3792 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1373 - 0.0119 | .4077 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.1420 - 0.0123 | .4172 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1517 - 0.0131 | .4364 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1567 - 0.0135 | .4460 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 21900 | ---- | ---- | ---- | ---- | ---- | 0.1618 - 0.0139 | .4556 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1724 - 0.0146 | .4748 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.1947 - 0.0162 | .5127 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 118 | |
| APR19 | | | | | | | | | | | | | |
| 18400 | ---- | ---- | ---- | ---- | ---- | 0.0492 - 0.0041 | .1785 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0515 - 0.0043 | .1851 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.0784 - 0.0065 | .2576 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.0848 - 0.0070 | .2734 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0950 - 0.0079 | .2979 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.0986 - 0.0082 | .3062 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20300 | ---- | ---- | ---- | ---- | ---- | 0.1061 - 0.0088 | .3232 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1140 - 0.0093 | .3404 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.1181 - 0.0096 | .3491 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.1222 - 0.0100 | .3579 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1541 - 0.0122 | .4203 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1744 - 0.0135 | .4563 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 17 | |
| MAY19 | | | | | | | | | | | | | |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1073 - 0.0074 | .3100 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.1262 - 0.0090 | .3503 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.1387 - 0.0099 | .3753 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.1664 - 0.0121 | .4263 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.1764 - 0.0130 | .4435 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.1817 - 0.0133 | .4521 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 6 | |
| JUN19 | | | | | | | | | | | | | |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.1669 - 0.0113 | .4117 | ---- | ---- | ---- | ---- | 1 | UNCH |
| TOTAL | | | | | | | | | | | | 1 | |
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | |
| 2460 | ---- | ---- | ---- | ---- | ---- | 0.4790 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.3890 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2590 | ---- | ---- | ---- | ---- | ---- | 0.3490 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.3390 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2610 | ---- | ---- | ---- | ---- | ---- | 0.3290 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2890 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2390 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2090 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1890 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1490 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1390 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2830 | ---- | ---- | ---- | ---- | ---- | 0.1090 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.0890 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0390 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| TOTAL | | | | | | | | | | | | 0 | |
| AUG18 | | | | | | | | | | | | | |
| 550 | ---- | ---- | ---- | ---- | ---- | 2.4274 + 0.0500 | 1.0000 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2300 | ---- | ---- | #0.6800B/---- | #0.6800B/---- | ---- | 0.6801 + 0.0500 | .9999 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 2350 | ---- | ---- | #0.6300B/---- | #0.6300B/---- | ---- | 0.6301 + 0.0499 | .9998 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2400 | ---- | ---- | #0.5800B/---- | #0.5800B/---- | ---- | 0.5802 + 0.0498 | .9995 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 2450 | ---- | ---- | #0.5300B/---- | #0.5300B/---- | ---- | 0.5303 + 0.0498 | .9985 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2460 | ---- | ---- | ---- | ---- | ---- | 0.5204 + 0.0497 | .9973 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | 0.4900B/---- | 0.4900B/---- | ---- | 0.4806 + 0.0497 | .9959 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 2550 | ---- | ---- | 0.4400B/---- | 0.4400B/---- | ---- | 0.4309 + 0.0495 | .9920 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2600 | ---- | ---- | 0.3900B/---- | 0.3900B/---- | ---- | 0.3817 + 0.0492 | .9836 | ---- | ---- | ---- | ---- | 226 | UNCH |
| 2650 | ---- | ---- | 0.3400B/---- | 0.3400B/---- | ---- | 0.3331 + 0.0485 | .9689 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 2700 | ---- | ---- | 0.3000B/---- | 0.3000B/---- | ---- | 0.2856 + 0.0472 | .9440 | ---- | ---- | ---- | ---- | 252 | UNCH |
| 2750 | 0.2300 | 0.2300 | 0.2500B/0.220( | 0.2500B/0.220( | ---- | 0.2397 + 0.0448 | .9052 | ---- | ---- | 1 | ---- | 2629 - | 1 |
| 2790 | ---- | ---- | 0.2200B/---- | 0.2200B/---- | ---- | 0.2049 + 0.0423 | .8617 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 2800 | ---- | ---- | 0.2100B/---- | 0.2100B/---- | ---- | 0.1964 + 0.0414 | .8494 | ---- | ---- | 31 | ---- | 1895 | UNCH |
| 2850 | 0.1600 | 0.1600 | 0.1700/0.1500/ | 0.1700/0.1500/ | ---- | 0.1568 + 0.0373 | .7740 | ---- | ---- | 20 | ---- | 6342 - | 17 |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 2870 | ---- | ---- | 0.1500B/---- | 0.1500B/---- | ---- | 0.1421 + 0.0353 | .7390 | ---- | ---- | ---- | ---- | 15 UNCH |
| 2900 | ---- | ---- | 0.1300B/---- | 0.1300B/---- | ---- | 0.1215 + 0.0322 | .6823 | ---- | ---- | 103 | ---- | 5675 - 11 |
| 2930 | 0.1100 | 0.1100 | 0.1100B/0.0900 | 0.1100B/0.0900 | ---- | 0.1027 + 0.0291 | .6212 | ---- | ---- | 12 | ---- | 75 - 3 |
| 2950 | 0.1000 | 0.1000 | 0.1000B/0.0800 | 0.1000B/0.0800 | ---- | 0.0912 + 0.0269 | .5790 | ---- | ---- | 294 | ---- | 3195 - 174 |
| 2980 | 0.0800 | 0.0800 | 0.0800B/0.0800 | 0.0800B/0.0800 | ---- | 0.0755 + 0.0235 | .5145 | ---- | ---- | 81 | ---- | 117 + 56 |
| 3000 | 0.0700 | 0.0700 | 0.0700B/0.0600 | 0.0700B/0.0600 | ---- | 0.0661 + 0.0214 | .4715 | ---- | ---- | 1496 | 1200 | 12724 + 1559 |
| 3010 | ---- | ---- | 0.0700B/---- | 0.0700B/---- | ---- | 0.0617 + 0.0203 | .4501 | ---- | ---- | ---- | ---- | 242 UNCH |
| 3050 | 0.0400 | 0.0400 | 0.0500/0.0400 | 0.0500/0.0400 | ---- | 0.0462 + 0.0162 | .3674 | ---- | ---- | 682 | 650 | 7621 + 489 |
| 3070 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0396 + 0.0143 | .3283 | ---- | ---- | ---- | ---- | 220 UNCH |
| 3080 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0366 + 0.0134 | .3095 | ---- | ---- | 51 | ---- | 79 + 3 |
| 3090 | 0.0300 | 0.0300 | 0.0400B/0.0300 | 0.0400B/0.0300 | ---- | 0.0338 + 0.0125 | .2914 | ---- | ---- | 1 | ---- | 291 UNCH |
| 3100 | 0.0300 | 0.0300 | 0.0400/0.0300 | 0.0400/0.0300 | ---- | 0.0311 + 0.0117 | .2736 | ---- | ---- | 576 | ---- | 5800 + 53 |
| 3130 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0241 + 0.0093 | .2242 | ---- | ---- | ---- | ---- | 114 UNCH |
| 3140 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0221 + 0.0085 | .2092 | ---- | ---- | ---- | ---- | 399 UNCH |
| 3150 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0203 + 0.0079 | .1952 | ---- | ---- | 1178 | ---- | 9471 + 612 |
| 3200 | 0.0100 | 0.0100 | 0.0100/0.0100 | 0.0100/0.0100 | ---- | 0.0130 + 0.0052 | .1346 | ---- | ---- | 69 | ---- | 5378 - 53 |
| 3250 | 0.0100 | 0.0100 | 0.0100/0.0100 | 0.0100/0.0100 | ---- | 0.0081 + 0.0029 | .0895 | ---- | ---- | 749 | 550 | 27848 + 705 |
| 3260 | 0.0100 | 0.0100 | 0.0100/0.0100 | 0.0100/0.0100 | ---- | 0.0074 + 0.0026 | .0826 | ---- | ---- | 17 | ---- | 319 + 17 |
| 3300 | 0.0100 | 0.0100 | 0.0100/0.0100 | 0.0100/0.0100 | ---- | 0.0051 + 0.0017 | .0590 | ---- | ---- | 714 | ---- | 4028 + 301 |
| 3350 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0032 + 0.0009 | .0385 | ---- | ---- | 13 | ---- | 1195 + 10 |
| 3400 | 0.0000 | 0.0000 | 0.0000/0.0000 | 0.0000/0.0000 | ---- | 0.0021 + 0.0006 | .0257 | ---- | ---- | 13 | ---- | 2408 + 9 |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.0014 + 0.0004 | .0173 | ---- | ---- | ---- | ---- | 637 UNCH |
| 3500 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0010 + 0.0003 | .0123 | ---- | ---- | 270 | ---- | 9137 UNCH |
| 3550 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0008 + 0.0003 | .0096 | ---- | ---- | ---- | ---- | 792 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.0006 + 0.0003 | .0071 | ---- | ---- | ---- | ---- | 1386 UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0005 + 0.0003 | .0058 | ---- | ---- | 6 | ---- | 56 + 6 |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0004 + 0.0002 | .0045 | ---- | ---- | ---- | ---- | 121 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0002 | .0034 | ---- | ---- | ---- | ---- | 3325 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.0002 + 0.0001 | .0023 | ---- | ---- | ---- | ---- | 1014 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.0002 + 0.0001 | .0022 | ---- | ---- | ---- | ---- | 30 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0011 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 12404 UNCH |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0002 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 650 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 55 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1295 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 176 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1025 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 25 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 661 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 25 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 76 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 2 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 617 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 260 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 61 UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 20 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 25 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 6377 | 2400 | 133066 + 3561 |
| SEP18 | | | | | | | | | | | | |
| 2300 | ---- | ---- | #0.6500B/---- | #0.6500B/---- | ---- | 0.6492 + 0.0438 | .9967 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2450 | ---- | ---- | #0.5000B/---- | #0.5000B/---- | ---- | 0.5010 + 0.0431 | .9841 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2460 | ---- | ---- | ---- | ---- | ---- | 0.4912 + 0.0430 | .9823 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2500 | ---- | ---- | 0.4600B/---- | 0.4600B/---- | ---- | 0.4524 + 0.0427 | .9729 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2550 | ---- | ---- | 0.4100B/---- | 0.4100B/---- | ---- | 0.4046 + 0.0419 | .9567 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2600 | ---- | ---- | 0.3700B/---- | 0.3700B/---- | ---- | 0.3579 + 0.0406 | .9334 | ---- | ---- | ---- | ---- | 248 UNCH |
| 2610 | ---- | ---- | 0.3600B/---- | 0.3600B/---- | ---- | 0.3487 + 0.0403 | .9277 | ---- | ---- | ---- | ---- | 26 UNCH |
| 2650 | ---- | ---- | 0.3300B/---- | 0.3300B/---- | ---- | 0.3129 + 0.0389 | .9002 | ---- | ---- | ---- | ---- | 73 UNCH |
| 2700 | ---- | ---- | 0.2800B/---- | 0.2800B/---- | ---- | 0.2701 + 0.0366 | .8573 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2750 | ---- | ---- | 0.2400B/---- | 0.2400B/---- | ---- | 0.2300 + 0.0338 | .8037 | ---- | ---- | ---- | ---- | 2330 UNCH |
| 2800 | ---- | ---- | 0.2000B/---- | 0.2000B/---- | ---- | 0.1933 + 0.0309 | .7407 | ---- | ---- | 9 | ---- | 1805 + 1 |
| 2830 | ---- | ---- | 0.1800B/---- | 0.1800B/---- | ---- | 0.1729 + 0.0289 | .6994 | ---- | ---- | ---- | ---- | 12 UNCH |
| 2850 | ---- | ---- | 0.1700B/---- | 0.1700B/---- | ---- | 0.1601 + 0.0275 | .6706 | ---- | ---- | ---- | ---- | 4058 UNCH |
| 2900 | 0.1300 | 0.1300 | 0.1400B/0.1300 | 0.1400B/0.1300 | ---- | 0.1306 + 0.0240 | .5957 | ---- | ---- | 120 | ---- | 5428 + 23 |
| 2950 | 0.1100 | 0.1100 | 0.1200B/0.1000 | 0.1200B/0.1000 | ---- | 0.1051 + 0.0207 | .5191 | ---- | ---- | 167 | ---- | 1475 + 88 |
| 2980 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.0915 + 0.0187 | .4735 | ---- | ---- | ---- | ---- | 35 UNCH |
| 3000 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0832 + 0.0174 | .4436 | ---- | ---- | 134 | ---- | 13661 - 122 |
| 3010 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0793 + 0.0167 | .4289 | ---- | ---- | ---- | ---- | 26 UNCH |
| 3030 | ---- | ---- | 0.0800B/---- | 0.0800B/---- | ---- | 0.0719 + 0.0155 | .4001 | ---- | ---- | ---- | ---- | 9 UNCH |
| 3050 | 0.0700 | 0.0700 | 0.0700B/0.0600 | 0.0700B/0.0600 | ---- | 0.0650 + 0.0143 | .3720 | ---- | ---- | 318 | ---- | 3283 + 219 |
| 3070 | ---- | ---- | 0.0700B/---- | 0.0700B/---- | ---- | 0.0586 + 0.0132 | .3448 | ---- | ---- | ---- | ---- | 103 UNCH |
| 3080 | ---- | ---- | 0.0600B/---- | 0.0600B/---- | ---- | 0.0556 + 0.0126 | .3316 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3090 | ---- | ---- | 0.0600B/---- | 0.0600B/---- | ---- | 0.0528 + 0.0121 | .3189 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3100 | ---- | ---- | 0.0600B/---- | 0.0600B/---- | ---- | 0.0500 + 0.0115 | .3061 | ---- | ---- | 1 | ---- | 3734 + 1 |
| 3130 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0425 + 0.0101 | .2701 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3140 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0402 + 0.0096 | .2587 | ---- | ---- | ---- | ---- | 55 UNCH |
| 3150 | 0.0400 | 0.0400 | 0.0400B/0.0300 | 0.0400B/0.0300 | ---- | 0.0380 + 0.0092 | .2475 | ---- | ---- | 553 | ---- | 2564 + 520 |
| 3180 | 0.0300 | 0.0300 | 0.0400B/0.0300 | 0.0400B/0.0300 | ---- | 0.0320 + 0.0079 | .2160 | ---- | ---- | 1 | ---- | 71 + 1 |
| 3200 | 0.0300 | 0.0300 | 0.0300B/0.0300 | 0.0300B/0.0300 | ---- | 0.0284 + 0.0071 | .1964 | ---- | ---- | 214 | ---- | 2914 + 88 |
| 3250 | 0.0200 | 0.0200 | 0.0300/0.0200 | 0.0300/0.0200 | ---- | 0.0210 + 0.0054 | .1534 | ---- | ---- | 518 | 100 | 7470 + 291 |
| 3260 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0197 + 0.0051 | .1455 | ---- | ---- | ---- | ---- | 132 UNCH |
| 3300 | 0.0200 | 0.0200 | 0.0200B/0.0100 | 0.0200B/0.0100 | ---- | 0.0153 + 0.0040 | .1177 | ---- | ---- | 729 | ---- | 1907 - 52 |
| 3350 | 0.0100 | 0.0100 | 0.0100B/0.0100 | 0.0100B/0.0100 | ---- | 0.0112 + 0.0030 | .0899 | ---- | ---- | 9 | ---- | 1957 + 9 |
| 3400 | 0.0100 | 0.0100 | 0.0100/0.0100A | 0.0100/0.0100A | ---- | 0.0081 + 0.0022 | .0677 | ---- | ---- | 20 | ---- | 1002 - 2 |
| 3450 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0059 + 0.0016 | .0510 | ---- | ---- | 5 | ---- | 252 + 1 |
| 3500 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0043 + 0.0011 | .0382 | ---- | ---- | 166 | ---- | 11311 - 40 |
| 3550 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0032 + 0.0008 | .0290 | ---- | ---- | ---- | ---- | 1249 UNCH |
| 3600 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0024 + 0.0006 | .0221 | ---- | ---- | 82 | ---- | 540 - 53 |
| 3650 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0018 + 0.0004 | .0169 | ---- | ---- | ---- | ---- | 409 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0014 + 0.0003 | .0132 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3750 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0011 + 0.0002 | .0104 | ---- | ---- | ---- | ---- | 2576 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.0009 + 0.0002 | .0085 | ---- | ---- | ---- | ---- | 940 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.0007 + 0.0001 | .0066 | ---- | ---- | ---- | ---- | 20 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0004 + 0.0001 | .0037 | ---- | ---- | ---- | ---- | 2917 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.0002 UNCH | .0019 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0009 | ---- | ---- | ---- | ---- | 654 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0003 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0002 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0001 | ---- | ---- | ---- | ---- | 1370 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 90 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 86 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 1025 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 662 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 25 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 76 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 2 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 615 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 260 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 61 UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 20 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 25 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | 3046 | 100 | 80409 + 973 |
| OCT18 | | | | | | | | | | | | |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | |
| 2000 | ---- | ---- | #0.9400B/---- | #0.9400B/---- | ---- | 0.9505 + 0.0418 | .9997 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2300 | ---- | ---- | #0.6500B/---- | #0.6500B/---- | ---- | 0.6531 + 0.0414 | .9899 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2350 | ---- | ---- | #0.6000B/---- | #0.6000B/---- | ---- | 0.6041 + 0.0410 | .9839 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2450 | ---- | ---- | 0.5000B/---- | 0.5000B/---- | ---- | 0.5076 + 0.0399 | .9632 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2460 | ---- | ---- | ---- | ---- | ---- | 0.4981 + 0.0397 | .9601 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2500 | 0.4600 | 0.4600 | 0.4800B/0.460 | 0.4800B/0.460 | ---- | 0.4605 + 0.0390 | .9463 | ---- | ---- | 1 | ---- | 7 + 1 |
| 2550 | ---- | ---- | 0.4300B/---- | 0.4300B/---- | ---- | 0.4147 + 0.0379 | .9236 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2600 | ---- | ---- | 0.3900B/---- | 0.3900B/---- | ---- | 0.3704 + 0.0363 | .8942 | ---- | ---- | ---- | ---- | 226 UNCH |
| 2610 | ---- | ---- | 0.3800B/---- | 0.3800B/---- | ---- | 0.3618 + 0.0360 | .8872 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2650 | ---- | ---- | 0.3400B/---- | 0.3400B/---- | ---- | 0.3281 + 0.0346 | .8576 | ---- | ---- | ---- | ---- | 29 UNCH |
| 2700 | ---- | ---- | 0.3000B/---- | 0.3000B/---- | ---- | 0.2880 + 0.0325 | .8148 | ---- | ---- | ---- | ---- | 86 UNCH |
| 2750 | ---- | ---- | 0.2600B/---- | 0.2600B/---- | ---- | 0.2505 + 0.0302 | .7653 | ---- | ---- | ---- | ---- | 2149 UNCH |
| 2800 | ---- | ---- | 0.2200B/---- | 0.2200B/---- | ---- | 0.2159 + 0.0278 | .7105 | ---- | ---- | ---- | ---- | 3803 UNCH |
| 2850 | ---- | ---- | 0.1900B/---- | 0.1900B/---- | ---- | 0.1842 + 0.0252 | .6517 | ---- | ---- | 140 | ---- | 5486 + 59 |
| 2900 | ---- | ---- | 0.1700B/---- | 0.1700B/---- | ---- | 0.1556 + 0.0226 | .5902 | ---- | ---- | 184 | ---- | 2991 - 37 |
| 2950 | 0.1300 | 0.1300 | 0.1400B/0.120 | 0.1400B/0.120 | ---- | 0.1303 + 0.0200 | .5277 | ---- | ---- | 301 | ---- | 3747 + 200 |
| 2980 | ---- | ---- | 0.1300B/---- | 0.1300B/---- | ---- | 0.1165 + 0.0184 | .4904 | ---- | ---- | ---- | ---- | 40 UNCH |
| 3000 | 0.1100 | 0.1100 | 0.1200B/0.100 | 0.1200B/0.100 | ---- | 0.1080 + 0.0174 | .4659 | ---- | ---- | 2 | 150 | 12953 - 148 |
| 3010 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.1039 + 0.0169 | .4538 | ---- | ---- | ---- | ---- | 44 UNCH |
| 3030 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.0961 + 0.0160 | .4298 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3050 | 0.1000 | 0.1000 | 0.1000B/0.080 | 0.1000B/0.080 | ---- | 0.0887 + 0.0150 | .4063 | ---- | ---- | 60 | ---- | 4384 - 50 |
| 3070 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0818 + 0.0141 | .3833 | ---- | ---- | ---- | ---- | 119 UNCH |
| 3080 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0784 + 0.0136 | .3719 | ---- | ---- | ---- | ---- | 17 UNCH |
| 3090 | ---- | ---- | 0.0800B/---- | 0.0800B/---- | ---- | 0.0752 + 0.0131 | .3608 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3100 | 0.0700 | 0.0700 | 0.0800B/0.070 | 0.0800B/0.070 | ---- | 0.0722 + 0.0128 | .3500 | ---- | ---- | 75 | ---- | 2311 + 49 |
| 3140 | ---- | ---- | 0.0700B/---- | 0.0700B/---- | ---- | 0.0608 + 0.0112 | .3080 | ---- | ---- | ---- | ---- | 51 UNCH |
| 3150 | 0.0600 | 0.0600 | 0.0600B/0.060 | 0.0600B/0.060 | ---- | 0.0582 + 0.0108 | .2979 | ---- | ---- | 25 | ---- | 792 + 25 |
| 3200 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0465 + 0.0089 | .2507 | ---- | ---- | ---- | ---- | 5106 UNCH |
| 3250 | 0.0400 | 0.0400 | 0.0400B/0.030 | 0.0400B/0.030 | ---- | 0.0368 + 0.0072 | .2084 | ---- | ---- | 140 | ---- | 8439 + 30 |
| 3260 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0351 + 0.0069 | .2007 | ---- | ---- | ---- | ---- | 46 UNCH |
| 3300 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0290 + 0.0058 | .1718 | ---- | ---- | ---- | ---- | 1334 UNCH |
| 3350 | 0.0200 | 0.0200 | 0.0300B/0.020 | 0.0300B/0.020 | ---- | 0.0228 + 0.0047 | .1407 | ---- | ---- | 1 | ---- | 1024 UNCH |
| 3400 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0178 + 0.0037 | .1141 | ---- | ---- | ---- | ---- | 2140 UNCH |
| 3450 | 0.0200 | 0.0200 | 0.0200/0.0100 | 0.0200/0.0100 | ---- | 0.0139 + 0.0029 | .0922 | ---- | ---- | 5 | ---- | 408 - 5 |
| 3500 | 0.0100 | 0.0100 | 0.0100/0.0100 | 0.0100/0.0100 | ---- | 0.0109 + 0.0023 | .0745 | ---- | ---- | 65 | ---- | 13665 UNCH |
| 3550 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0085 + 0.0018 | .0597 | ---- | ---- | ---- | ---- | 98 UNCH |
| 3600 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0067 + 0.0014 | .0481 | ---- | ---- | ---- | ---- | 464 UNCH |
| 3650 | 0.0100 | 0.0100 | 0.0100/0.0100 | 0.0100/0.0100 | ---- | 0.0053 + 0.0011 | .0388 | ---- | ---- | 100 | ---- | 135 + 100 |
| 3700 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0042 + 0.0008 | .0313 | ---- | ---- | ---- | ---- | 2304 UNCH |
| 3750 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0034 + 0.0007 | .0256 | ---- | ---- | ---- | ---- | 3011 UNCH |
| 3800 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0027 + 0.0005 | .0207 | ---- | ---- | ---- | ---- | 1390 UNCH |
| 3850 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0022 + 0.0004 | .0170 | ---- | ---- | ---- | ---- | 30 UNCH |
| 3900 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0018 + 0.0003 | .0140 | ---- | ---- | ---- | ---- | 500 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0013 + 0.0002 | .0101 | ---- | ---- | ---- | ---- | 3645 UNCH |
| 4050 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0011 + 0.0002 | .0086 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.0009 + 0.0001 | .0070 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.0008 + 0.0002 | .0062 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0006 + 0.0001 | .0046 | ---- | ---- | ---- | ---- | 650 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.0005 + 0.0001 | .0039 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.0003 UNCH | .0024 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0001 | .0023 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0001 | .0023 | ---- | ---- | ---- | ---- | 1001 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0002 UNCH | .0015 | ---- | ---- | ---- | ---- | 135 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0008 | ---- | ---- | ---- | ---- | 24 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 1025 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0005 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0001 | ---- | ---- | ---- | ---- | 11072 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 76 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 2 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 913 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 260 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 61 UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 20 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 25 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 1099 | 150 | 98953 + 224 |
| NOV18 | | | | | | | | | | | | |
| 2500 | ---- | ---- | #0.5000B/---- | #0.5000B/---- | ---- | 0.5043 + 0.0351 | .9237 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2600 | ---- | ---- | #0.4100B/---- | #0.4100B/---- | ---- | 0.4171 + 0.0326 | .8727 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2700 | ---- | ---- | #0.3300B/---- | #0.3300B/---- | ---- | 0.3370 + 0.0296 | .8034 | ---- | ---- | ---- | ---- | 300 UNCH |
| 2750 | ---- | ---- | 0.3000B/---- | 0.3000B/---- | ---- | 0.3001 + 0.0277 | .7624 | ---- | ---- | ---- | ---- | 500 UNCH |
| 2800 | ---- | ---- | 0.2700B/---- | 0.2700B/---- | ---- | 0.2656 + 0.0259 | .7177 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2850 | ---- | ---- | 0.2400B/---- | 0.2400B/---- | ---- | 0.2337 + 0.0242 | .6702 | ---- | ---- | ---- | ---- | 569 UNCH |
| 2900 | ---- | ---- | 0.2100B/---- | 0.2100B/---- | ---- | 0.2043 + 0.0223 | .6206 | ---- | ---- | ---- | ---- | 904 UNCH |
| 2950 | ---- | ---- | 0.1900B/---- | 0.1900B/---- | ---- | 0.1776 + 0.0205 | .5698 | ---- | ---- | 1 | ---- | 500 UNCH |
| 2980 | ---- | ---- | 0.1700B/---- | 0.1700B/---- | ---- | 0.1627 + 0.0193 | .5392 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3000 | ---- | ---- | 0.1600B/---- | 0.1600B/---- | ---- | 0.1534 + 0.0186 | .5189 | ---- | ---- | ---- | ---- | 7636 UNCH |
| 3010 | ---- | ---- | 0.1600B/---- | 0.1600B/---- | ---- | 0.1488 + 0.0182 | .5088 | ---- | ---- | ---- | ---- | 18 UNCH |
| 3030 | ---- | ---- | 0.1500B/---- | 0.1500B/---- | ---- | 0.1401 + 0.0175 | .4887 | ---- | ---- | ---- | ---- | 110 UNCH |
| 3050 | ---- | ---- | 0.1400B/---- | 0.1400B/---- | ---- | 0.1317 + 0.0168 | .4687 | ---- | ---- | ---- | ---- | 591 UNCH |
| 3070 | ---- | ---- | 0.1300B/---- | 0.1300B/---- | ---- | 0.1237 + 0.0161 | .4491 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3080 | 0.1200 | 0.1200 | 0.1300B/0.110 | 0.1300B/0.110 | ---- | 0.1198 + 0.0157 | .4393 | ---- | ---- | 50 | ---- | 60 + 50 |
| 3100 | 0.1100 | 0.1100 | 0.1200B/0.110 | 0.1200B/0.110 | ---- | 0.1124 + 0.0150 | .4201 | ---- | ---- | 11 | ---- | 1079 UNCH |
| 3140 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.0986 + 0.0136 | .3827 | ---- | ---- | ---- | ---- | 37 UNCH |
| 3150 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.0953 + 0.0132 | .3735 | ---- | ---- | ---- | 36 | 303 + 36 |
| 3200 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0804 + 0.0116 | .3296 | ---- | ---- | ---- | ---- | 535 UNCH |
| 3250 | 0.0700 | 0.0700 | 0.0700B/0.060 | 0.0700B/0.060 | ---- | 0.0675 + 0.0102 | .2888 | ---- | ---- | 200 | ---- | 4857 + 64 |
| 3260 | ---- | ---- | 0.0700B/---- | 0.0700B/---- | ---- | 0.0651 + 0.0098 | .2810 | ---- | ---- | ---- | ---- | 31 UNCH |
| 3300 | ---- | ---- | 0.0600B/---- | 0.0600B/---- | ---- | 0.0563 + 0.0087 | .2511 | ---- | ---- | ---- | ---- | 3518 UNCH |
| 3350 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0468 + 0.0075 | .2171 | ---- | ---- | ---- | ---- | 72 UNCH |
| 3400 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0387 + 0.0064 | .1863 | ---- | ---- | ---- | ---- | 1649 UNCH |
| 3450 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0319 + 0.0054 | .1591 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 3500 | 0.0300 | 0.0300 | 0.0300B/0.030 | 0.0300B/0.030 | ---- | 0.0262 + 0.0045 | .1351 | ---- | ---- | 2 | ---- | 6102 UNCH |
| 3550 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0215 + 0.0037 | .1144 | ---- | ---- | ---- | ---- | 72 UNCH |
| 3600 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0177 + 0.0030 | .0967 | ---- | ---- | ---- | ---- | 39 UNCH |
| 3650 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0146 + 0.0025 | .0817 | ---- | ---- | ---- | ---- | 108 UNCH |
| 3700 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0121 + 0.0020 | .0692 | ---- | ---- | ---- | ---- | 120 UNCH |
| 3750 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0101 + 0.0017 | .0588 | ---- | ---- | ---- | ---- | 3321 UNCH |
| 3800 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0084 + 0.0014 | .0497 | ---- | ---- | ---- | ---- | 475 UNCH |
| 3850 | ---- | ---- | #0.0100B/---- | #0.0100B/---- | ---- | 0.0070 + 0.0011 | .0421 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3900 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0059 + 0.0010 | .0359 | ---- | ---- | ---- | ---- | 125 UNCH |
| 3950 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0050 + 0.0008 | .0308 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4000 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0043 + 0.0007 | .0266 | ---- | ---- | ---- | ---- | 4280 UNCH |
| 4050 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0037 + 0.0006 | .0230 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.0024 + 0.0004 | .0152 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4250 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0021 + 0.0003 | .0133 | ---- | ---- | ---- | ---- | 479 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.0015 + 0.0002 | .0094 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0014 + 0.0003 | .0087 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0012 + 0.0002 | .0075 | ---- | ---- | ---- | ---- | 655 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0010 + 0.0002 | .0062 | ---- | ---- | ---- | ---- | 135 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0007 + 0.0001 | .0044 | ---- | ---- | ---- | ---- | 801 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.0007 + 0.0002 | .0043 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4950 | 0.0000 | 0.0000 | #0.0000/*0.00 | #0.0000/*0.00 | ---- | 0.0005 NEW | .0031 | ---- | ---- | 4 | ---- | 4 + 4 |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0004 UNCH | .0025 | ---- | ---- | ---- | ---- | 463 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0001 | .0018 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0002 + 0.0001 | .0012 | ---- | ---- | ---- | ---- | 76 UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 2 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0003 | ---- | ---- | ---- | ---- | 360 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 260 UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 61 UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 20 UNCH |

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*Customer Service: (312) 930-1000*

**FINAL**



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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | | |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 25 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | 268 | 36 | 45204 + | 154 |
| DEC18 | | | | | | | | | | | | | | |
| 2000 | ---- | ---- | #1.0800B/---- | #1.0800B/---- | ---- | 1.0898 | + 0.0333 | .9943 | ---- | ---- | ---- | ---- | 2500 | UNCH |
| 2600 | ---- | ---- | #0.5200B/---- | #0.5200B/---- | ---- | 0.5282 | + 0.0273 | .8747 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2700 | ---- | ---- | #0.4400B/---- | #0.4400B/---- | ---- | 0.4473 | + 0.0250 | .8226 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2750 | ---- | ---- | 0.4100B/---- | 0.4100B/---- | ---- | 0.4096 | + 0.0240 | .7921 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 2800 | ---- | ---- | 0.3800B/---- | 0.3800B/---- | ---- | 0.3736 | + 0.0227 | .7592 | ---- | ---- | ---- | ---- | 85 | UNCH |
| 2850 | ---- | ---- | 0.3500B/---- | 0.3500B/---- | ---- | 0.3396 | + 0.0214 | .7241 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2900 | ---- | ---- | 0.3100B/---- | 0.3100B/---- | ---- | 0.3075 | + 0.0201 | .6873 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 2950 | ---- | ---- | 0.2800B/---- | 0.2800B/---- | ---- | 0.2777 | + 0.0190 | .6491 | ---- | ---- | ---- | ---- | 58 | UNCH |
| 3000 | ---- | ---- | 0.2600B/---- | 0.2600B/---- | ---- | 0.2497 | + 0.0175 | .6100 | ---- | ---- | 40 | ---- | 7874 | UNCH |
| 3010 | ---- | ---- | 0.2500B/---- | 0.2500B/---- | ---- | 0.2444 | + 0.0174 | .6022 | ---- | ---- | ---- | ---- | 18 | UNCH |
| 3030 | ---- | ---- | 0.2400B/---- | 0.2400B/---- | ---- | 0.2340 | + 0.0168 | .5863 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 3050 | ---- | ---- | 0.2300B/---- | 0.2300B/---- | ---- | 0.2240 | + 0.0163 | .5703 | ---- | ---- | 1 | ---- | 585 | UNCH |
| 3070 | ---- | ---- | 0.2200B/---- | 0.2200B/---- | ---- | 0.2143 | + 0.0159 | .5545 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 3080 | ---- | ---- | 0.2200B/---- | 0.2200B/---- | ---- | 0.2095 | + 0.0156 | .5465 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3100 | ---- | ---- | 0.2100B/---- | 0.2100B/---- | ---- | 0.2003 | + 0.0152 | .5307 | ---- | ---- | ---- | ---- | 944 | UNCH |
| 3140 | ---- | ---- | 0.1900B/---- | 0.1900B/---- | ---- | 0.1828 | + 0.0143 | .4995 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 3150 | ---- | ---- | 0.1900B/---- | 0.1900B/---- | ---- | 0.1786 | + 0.0141 | .4917 | ---- | ---- | ---- | ---- | 179 | UNCH |
| 3200 | ---- | ---- | 0.1700B/---- | 0.1700B/---- | ---- | 0.1588 | + 0.0129 | .4536 | ---- | ---- | ---- | ---- | 430 | UNCH |
| 3250 | ---- | ---- | 0.1500B/---- | 0.1500B/---- | ---- | 0.1408 | + 0.0118 | .4167 | ---- | ---- | ---- | ---- | 4687 | UNCH |
| 3260 | ---- | ---- | 0.1500B/---- | 0.1500B/---- | ---- | 0.1374 | + 0.0116 | .4095 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3300 | ---- | ---- | 0.1300B/---- | 0.1300B/---- | ---- | 0.1245 | + 0.0107 | .3813 | ---- | ---- | ---- | ---- | 640 | UNCH |
| 3330 | ---- | ---- | 0.1200B/---- | 0.1200B/---- | ---- | 0.1156 | + 0.0102 | .3610 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3350 | ---- | ---- | 0.1200B/---- | 0.1200B/---- | ---- | 0.1099 | + 0.0097 | .3477 | ---- | ---- | ---- | ---- | 6253 | UNCH |
| 3370 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.1045 | + 0.0094 | .3348 | ---- | ---- | ---- | ---- | 74 | UNCH |
| 3400 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.0968 | + 0.0088 | .3159 | ---- | ---- | ---- | 33 | 759 + | 33 |
| 3450 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0850 | + 0.0078 | .2859 | ---- | ---- | ---- | ---- | 133 | UNCH |
| 3500 | 0.0700 | 0.0700 | 0.0800B/0.070 | 0.0800B/0.070 | ---- | 0.0746 | + 0.0070 | .2582 | ---- | ---- | 60 | ---- | 8717 - | 40 |
| 3550 | ---- | ---- | 0.0700B/---- | 0.0700B/---- | ---- | 0.0653 | + 0.0061 | .2323 | ---- | ---- | ---- | ---- | 145 | UNCH |
| 3600 | ---- | ---- | 0.0600B/---- | 0.0600B/---- | ---- | 0.0571 | + 0.0053 | .2085 | ---- | ---- | ---- | 100 | 721 | UNCH |
| 3650 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0499 | + 0.0047 | .1867 | ---- | ---- | ---- | ---- | 601 | UNCH |
| 3700 | ---- | ---- | 0.0500B/---- | 0.0500B/---- | ---- | 0.0436 | + 0.0041 | .1670 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 3750 | 0.0400 | 0.0400 | 0.0400/0.0400 | 0.0400/0.0400 | ---- | 0.0381 | + 0.0036 | .1491 | ---- | ---- | 1 | ---- | 3228 + | 1 |
| 3800 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0333 | + 0.0032 | .1330 | ---- | ---- | ---- | ---- | 338 | UNCH |
| 3850 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0291 | + 0.0028 | .1185 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 3900 | 0.0300 | 0.0300 | 0.0300/0.0300 | 0.0300/0.0300 | ---- | 0.0254 | + 0.0024 | .1054 | ---- | ---- | 1 | ---- | 43 + | 1 |
| 3950 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0222 | + 0.0021 | .0937 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 4000 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0194 | + 0.0018 | .0832 | ---- | ---- | ---- | ---- | 4445 | UNCH |
| 4050 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0170 | + 0.0016 | .0740 | ---- | ---- | 3 | ---- | 14 + | 3 |
| 4100 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0149 | + 0.0014 | .0658 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 4200 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0115 | + 0.0010 | .0521 | ---- | ---- | ---- | ---- | 108 | UNCH |
| 4250 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0102 | + 0.0009 | .0466 | ---- | ---- | ---- | ---- | 532 | UNCH |
| 4400 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0071 | + 0.0006 | .0333 | ---- | ---- | ---- | ---- | 109 | UNCH |
| 4450 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0063 | + 0.0005 | .0298 | ---- | ---- | ---- | ---- | 105 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0057 | + 0.0005 | .0271 | ---- | ---- | ---- | ---- | 1582 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0046 | + 0.0004 | .0221 | ---- | ---- | ---- | ---- | 135 | UNCH |
| 4650 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0041 | + 0.0003 | .0198 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0034 | + 0.0002 | .0165 | ---- | ---- | ---- | ---- | 800 | UNCH |
| 4800 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0031 | + 0.0002 | .0151 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 4950 | ---- | ---- | ---- | ---- | ---- | 0.0024 | + 0.0001 | .0117 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0022 | + 0.0001 | .0107 | ---- | ---- | ---- | ---- | 919 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0015 | + 0.0001 | .0073 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0011 | + 0.0001 | .0053 | ---- | ---- | ---- | ---- | 76 | UNCH |
| 5800 | ---- | ---- | ---- | ---- | ---- | 0.0007 | UNCH | .0034 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0005 | UNCH | .0024 | ---- | ---- | ---- | ---- | 2859 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0003 | UNCH | .0014 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 6750 | ---- | ---- | ---- | ---- | ---- | 0.0002 | UNCH | .0009 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0002 | + 0.0001 | .0009 | ---- | ---- | ---- | ---- | 61 | UNCH |
| 7250 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0005 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0003 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0001 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0000 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 10000 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | ---- | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | 106 | 133 | 52718 - | 2 |
| JAN19 | | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.4683 | + 0.0229 | .7717 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4341 | + 0.0216 | .7437 | ---- | ---- | ---- | ---- | 295 | UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.4275 | + 0.0213 | .7403 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.4081 | + 0.0204 | .7222 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.4019 | + 0.0202 | .7144 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3717 | + 0.0190 | .6839 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.3602 | + 0.0186 | .6723 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.3545 | + 0.0184 | .6660 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 3000 | ---- | ---- | #0.3400B/---- | #0.3400B/---- | ---- | 0.3434 | + 0.0180 | .6528 | ---- | ---- | ---- | 150 | 2670 + | 50 |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.3379 | + 0.0178 | .6470 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3050 | ---- | ---- | #0.3200B/---- | #0.3200B/---- | ---- | 0.3167 | + 0.0169 | .6214 | ---- | ---- | ---- | ---- | 518 | UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.3065 | + 0.0165 | .6089 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.3015 | + 0.0162 | .6026 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3100 | ---- | ---- | #0.3000B/---- | #0.3000B/---- | ---- | 0.2918 | + 0.0159 | .5899 | ---- | ---- | ---- | ---- | 2299 | UNCH |
| 3150 | ---- | ---- | 0.2700B/---- | 0.2700B/---- | ---- | 0.2686 | + 0.0149 | .5586 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 3200 | ---- | ---- | 0.2500B/---- | 0.2500B/---- | ---- | 0.2469 | + 0.0140 | .5277 | ---- | ---- | ---- | 75 | 543 + | 75 |
| 3250 | 0.2300 | 0.2300 | 0.2300B/0.230 | 0.2300B/0.230 | ---- | 0.2268 | + 0.0132 | .4976 | ---- | ---- | 10 | ---- | 4623 | UNCH |
| 3300 | 0.2000 | 0.2000 | 0.2100B/0.200 | 0.2100B/0.200 | ---- | 0.2082 | + 0.0124 | .4682 | ---- | ---- | 105 | ---- | 305 + | 105 |
| 3400 | ---- | ---- | 0.1800B/---- | 0.1800B/---- | ---- | 0.1751 | + 0.0109 | .4125 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 3450 | ---- | ---- | 0.1700B/---- | 0.1700B/---- | ---- | 0.1605 | + 0.0103 | .3863 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 3500 | ---- | ---- | 0.1500B/---- | 0.1500B/---- | ---- | 0.1470 | + 0.0096 | .3613 | ---- | ---- | ---- | ---- | 9015 | UNCH |
| 3550 | ---- | ---- | 0.1400B/---- | 0.1400B/---- | ---- | 0.1346 | + 0.0090 | .3375 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3600 | ---- | ---- | 0.1300B/---- | 0.1300B/---- | ---- | 0.1233 | + 0.0085 | .3149 | ---- | ---- | ---- | ---- | 710 | UNCH |
| 3650 | ---- | ---- | 0.1200B/---- | 0.1200B/---- | ---- | 0.1129 | + 0.0080 | .2936 | ---- | ---- | ---- | ---- | 99 | UNCH |
| 3700 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.1034 | + 0.0075 | .2735 | ---- | ---- | ---- | ---- | 330 | UNCH |
| 3750 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.0948 | + 0.0072 | .2547 | ---- | ---- | ---- | ---- | 9750 | UNCH |
| 3800 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0868 | + 0.0067 | .2369 | ---- | ---- | ---- | ---- | 103 | UNCH |
| 3850 | ---- | ---- | #0.0800B/---- | #0.0800B/---- | ---- | 0.0795 | + 0.0062 | .2202 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 4000 | 0.0600 | 0.0600 | 0.0600/0.0600 | 0.0600/0.0600 | ---- | 0.0612 | + 0.0049 | .1766 | ---- | ---- | 23 | ---- | 4176 - | 4 |
| 4100 | ---- | ---- | #0.0500B/---- | #0.0500B/---- | ---- | 0.0515 | + 0.0042 | .1522 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 4200 | ---- | ---- | #0.0400B/---- | #0.0400B/---- | ---- | 0.0434 | + 0.0035 | .1312 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 4250 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0399 | + 0.0032 | .1218 | ---- | ---- | ---- | ---- | 2705 | UNCH |
| 4500 | ---- | ---- | 0.0300B/---- | 0.0300B/---- | ---- | 0.0264 | + 0.0021 | .0843 | ---- | ---- | 109 | ---- | 2320 + | 109 |
| 4650 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0208 | + 0.0016 | .0679 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4750 | ---- | ---- | 0.0200B/---- | 0.0200B/---- | ---- | 0.0178 | + 0.0014 | .0589 | ---- | ---- | ---- | ---- | 199 | UNCH |
| 5000 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0123 | + 0.0010 | .0418 | ---- | ---- | ---- | ---- | 3787 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0099 | + 0.0008 | .0341 | ---- | ---- | ---- | ---- | 170 | UNCH |
| 5200 | 0.0100 | 0.0100 | #0.0100/*0.01 | #0.0100/*0.01 | ---- | 0.0092 | NEW | .0318 | ---- | ---- | 1 | ---- | 1 + | 1 |
| 5250 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0086 | + 0.0007 | .0299 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0062 | + 0.0006 | .0219 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0035 | + 0.0005 | .0125 | ---- | ---- | ---- | ---- | 522 | UNCH |
| 6400 | 0.0000 | 0.0000 | #0.0000/*0.00 | #0.0000/*0.00 | ---- | 0.0023 | NEW | .0083 | ---- | ---- | 1 | ---- | 1 + | 1 |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0020 | + 0.0003 | .0073 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0012 | + 0.0002 | .0044 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0008 | + 0.0002 | .0029 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0002 | UNCH | .0007 | ---- | ---- | ---- | ---- | 400 | UNCH |
| TOTAL | | | | | | | | | | | 249 | 225 | 47413 + | 337 |
| FEB19 | | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.4860 | + 0.0210 | .7244 | ---- | ---- | ---- | ---- | 700 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4568 | + 0.0202 | .6990 | ---- | ---- | ---- | ---- | 295 | UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.4512 | + 0.0201 | .6951 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.4347 | + 0.0196 | .6794 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.4293 | + 0.0194 | .6733 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.4033 | + 0.0187 | .6475 | ---- | ---- | ---- | ---- | 125 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| FEB19 | | | | | | | | | | | | |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.3933 + 0.0184 | .6375 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.3884 + 0.0181 | .6323 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3788 + 0.0179 | .6218 | ---- | ---- | ---- | 150 | 2501 - 100 |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.3741 + 0.0178 | .6168 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.3558 + 0.0171 | .5963 | ---- | ---- | ---- | ---- | 224 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.3470 + 0.0167 | .5861 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.3426 + 0.0165 | .5811 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | 0.3400B/---- | 0.3400B/---- | ---- | 0.3342 + 0.0163 | .5711 | ---- | ---- | ---- | ---- | 312 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.3140 + 0.0154 | .5464 | ---- | ---- | ---- | ---- | 376 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.2951 + 0.0147 | .5224 | ---- | ---- | ---- | ---- | 29 UNCH |
| 3250 | ---- | ---- | 0.2800B/---- | 0.2800B/---- | ---- | 0.2775 + 0.0139 | .4991 | ---- | ---- | ---- | ---- | 3677 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.2610 + 0.0132 | .4766 | ---- | ---- | ---- | ---- | 206 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.2312 + 0.0119 | .4341 | ---- | ---- | ---- | ---- | 180 UNCH |
| 3450 | ---- | ---- | 0.2200B/---- | 0.2200B/---- | ---- | 0.2178 + 0.0114 | .4141 | ---- | ---- | ---- | ---- | 160 UNCH |
| 3500 | ---- | ---- | 0.2100B/---- | 0.2100B/---- | ---- | 0.2052 + 0.0108 | .3949 | ---- | ---- | ---- | ---- | 5078 UNCH |
| 3750 | ---- | ---- | 0.1500B/---- | 0.1500B/---- | ---- | 0.1536 + 0.0084 | .3112 | ---- | ---- | ---- | ---- | 1383 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.1451 + 0.0079 | .2967 | ---- | ---- | ---- | ---- | 107 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.1372 + 0.0075 | .2829 | ---- | ---- | ---- | ---- | 166 UNCH |
| 3900 | ---- | ---- | 0.1300B/---- | 0.1300B/---- | ---- | 0.1298 + 0.0072 | .2698 | ---- | ---- | ---- | ---- | 131 UNCH |
| 4000 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.1162 + 0.0066 | .2454 | ---- | ---- | ---- | ---- | 2901 UNCH |
| 4050 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.1100 + 0.0063 | .2341 | ---- | ---- | ---- | ---- | 11 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.1041 + 0.0060 | .2232 | ---- | ---- | ---- | ---- | 34 UNCH |
| 4150 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.0986 + 0.0058 | .2129 | ---- | ---- | ---- | ---- | 84 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.0934 + 0.0055 | .2031 | ---- | ---- | ---- | ---- | 130 UNCH |
| 4250 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0885 + 0.0052 | .1937 | ---- | ---- | ---- | ---- | 777 UNCH |
| 4500 | 0.0700 | 0.0700 | 0.0700/0.0700 | 0.0700/0.0700 | ---- | 0.0679 + 0.0040 | .1534 | ---- | ---- | 3 | ---- | 1483 + 3 |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0613 + 0.0037 | .1399 | ---- | ---- | ---- | ---- | 107 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0582 + 0.0035 | .1336 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | 0.0500 | 0.0500 | 0.0500B/0.050 | 0.0500B/0.050 | ---- | 0.0526 + 0.0031 | .1220 | ---- | ---- | 1 | ---- | 247 + 1 |
| 5000 | 0.0400 | 0.0400 | 0.0400/0.0400 | 0.0400/0.0400 | ---- | 0.0412 + 0.0025 | .0977 | ---- | ---- | 5 | ---- | 3881 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0358 + 0.0023 | .0859 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0325 + 0.0020 | .0787 | ---- | ---- | ---- | ---- | 101 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0257 + 0.0017 | .0634 | ---- | ---- | ---- | ---- | 135 UNCH |
| 5650 | ---- | ---- | ---- | ---- | ---- | 0.0224 + 0.0015 | .0559 | ---- | ---- | ---- | ---- | 1 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.0205 + 0.0014 | .0514 | ---- | ---- | ---- | ---- | 31 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0164 + 0.0011 | .0418 | ---- | ---- | ---- | ---- | 520 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0108 + 0.0008 | .0283 | ---- | ---- | ---- | ---- | 296 UNCH |
| 6800 | ---- | ---- | ---- | ---- | ---- | 0.0084 + 0.0006 | .0223 | ---- | ---- | ---- | ---- | 264 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0071 + 0.0005 | .0191 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0047 + 0.0004 | .0130 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0015 + 0.0001 | .0044 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | 9 | 150 | 27318 - 96 |
| MAR19 | | | | | | | | | | | | |
| 550 | ---- | ---- | ---- | ---- | ---- | 2.4583 + 0.0287 | 1.0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.4465 + 0.0194 | .6713 | ---- | ---- | ---- | ---- | 700 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4213 + 0.0186 | .6470 | ---- | ---- | ---- | ---- | 321 UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.4164 + 0.0184 | .6424 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.4023 + 0.0180 | .6277 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3977 + 0.0179 | .6227 | ---- | ---- | ---- | ---- | 338 UNCH |
| 2950 | ---- | ---- | 0.3800B/---- | 0.3800B/---- | ---- | 0.3755 + 0.0172 | .5988 | ---- | ---- | ---- | ---- | 686 UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.3670 + 0.0169 | .5893 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.3628 + 0.0168 | .5845 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | 0.3600B/---- | 0.3600B/---- | ---- | 0.3546 + 0.0165 | .5752 | ---- | ---- | ---- | 150 | 8418 UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.3505 + 0.0163 | .5705 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | 0.3400B/---- | 0.3400B/---- | ---- | 0.3349 + 0.0158 | .5521 | ---- | ---- | ---- | ---- | 79 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.3273 + 0.0155 | .5431 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.3236 + 0.0154 | .5386 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.3163 + 0.0151 | .5297 | ---- | ---- | ---- | ---- | 306 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.2988 + 0.0144 | .5079 | ---- | ---- | ---- | ---- | 281 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.2824 + 0.0137 | .4868 | ---- | ---- | ---- | ---- | 25 UNCH |
| 3250 | ---- | ---- | 0.2700B/---- | 0.2700B/---- | ---- | 0.2671 + 0.0132 | .4664 | ---- | ---- | ---- | ---- | 2748 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.2527 + 0.0126 | .4468 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.2392 + 0.0119 | .4279 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.2148 + 0.0109 | .3925 | ---- | ---- | ---- | ---- | 60 UNCH |
| 3500 | ---- | ---- | 0.2100B/---- | 0.2100B/---- | ---- | 0.2036 + 0.0104 | .3758 | ---- | ---- | ---- | ---- | 6178 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1653 + 0.0088 | .3161 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3750 | ---- | ---- | 0.1600B/---- | 0.1600B/---- | ---- | 0.1571 + 0.0084 | .3028 | ---- | ---- | ---- | 100 | 3982 - 100 |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.1493 + 0.0080 | .2901 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.1420 + 0.0077 | .2779 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3900 | ---- | ---- | 0.1300B/---- | 0.1300B/---- | ---- | 0.1351 + 0.0074 | .2663 | ---- | ---- | ---- | ---- | 281 UNCH |
| 4000 | ---- | ---- | 0.1200B/---- | 0.1200B/---- | ---- | 0.1224 + 0.0069 | .2446 | ---- | ---- | ---- | ---- | 14917 UNCH |
| 4050 | ---- | ---- | 0.1200B/---- | 0.1200B/---- | ---- | 0.1165 + 0.0065 | .2344 | ---- | ---- | ---- | ---- | 95 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.1110 + 0.0063 | .2247 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 0.1058 + 0.0060 | .2155 | ---- | ---- | ---- | ---- | 123 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.1008 + 0.0057 | .2066 | ---- | ---- | ---- | ---- | 113 UNCH |
| 4250 | ---- | ---- | 0.1000B/---- | 0.1000B/---- | ---- | 0.0962 + 0.0055 | .1982 | ---- | ---- | ---- | ---- | 490 UNCH |
| 4300 | ---- | ---- | 0.0900B/---- | 0.0900B/---- | ---- | 0.0918 + 0.0053 | .1902 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4350 | ---- | ---- | ---- | ---- | ---- | 0.0876 + 0.0051 | .1825 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4500 | 0.0800 | 0.0800 | 0.0800/0.0800 | 0.0800/0.0800 | ---- | 0.0763 + 0.0044 | .1614 | ---- | ---- | 2 | ---- | 5116 + 2 |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0667 + 0.0040 | .1431 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | 0.0600B/---- | 0.0600B/---- | ---- | 0.0610 + 0.0037 | .1320 | ---- | ---- | ---- | ---- | 180 UNCH |
| 5000 | 0.0500 | 0.0500 | 0.0500/0.0500 | 0.0500/0.0500 | ---- | 0.0489 + 0.0031 | .1082 | ---- | ---- | 2 | ---- | 5174 + 2 |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0429 + 0.0027 | .0961 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0394 + 0.0025 | .0890 | ---- | ---- | ---- | ---- | 109 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0320 + 0.0021 | .0736 | ---- | ---- | ---- | ---- | 142 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.0261 + 0.0017 | .0610 | ---- | ---- | ---- | ---- | 43 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0216 + 0.0015 | .0511 | ---- | ---- | ---- | ---- | 888 UNCH |
| 6250 | ---- | ---- | ---- | ---- | ---- | 0.0179 + 0.0012 | .0429 | ---- | ---- | ---- | ---- | 30 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0150 + 0.0010 | .0364 | ---- | ---- | ---- | ---- | 62 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0108 + 0.0008 | .0266 | ---- | ---- | ---- | ---- | 227 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0078 + 0.0005 | .0196 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0033 + 0.0002 | .0086 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | 4 | 250 | 53483 - 96 |
| APR19 | | | | | | | | | | | | |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2724 + 0.0157 | .6522 | ---- | ---- | ---- | ---- | 200 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2436 + 0.0150 | .6130 | ---- | ---- | ---- | ---- | 27 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2168 + 0.0141 | .5728 | ---- | ---- | ---- | ---- | 1463 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1922 + 0.0131 | .5319 | ---- | ---- | ---- | ---- | 954 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1698 + 0.0123 | .4913 | ---- | ---- | ---- | ---- | 2375 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1494 + 0.0114 | .4513 | ---- | ---- | ---- | ---- | 1600 UNCH |
| 2830 | ---- | ---- | ---- | ---- | ---- | 0.1381 + 0.0108 | .4279 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1310 + 0.0105 | .4125 | ---- | ---- | ---- | ---- | 330 UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1276 + 0.0103 | .4049 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.1177 + 0.0098 | .3825 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | 0.1100B/---- | 0.1100B/---- | ---- | 0.1145 + 0.0096 | .3751 | ---- | ---- | ---- | ---- | 593 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0998 + 0.0088 | .3396 | ---- | ---- | ---- | ---- | 125 UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.0944 + 0.0084 | .3259 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.0918 + 0.0083 | .3192 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0867 + 0.0079 | .3060 | ---- | ---- | ---- | 150 | 9947 UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.0843 + 0.0078 | .2996 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0752 + 0.0073 | .2747 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.0709 + 0.0069 | .2626 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.0689 + 0.0068 | .2568 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.0649 + 0.0065 | .2453 | ---- | ---- | ---- | ---- | 205 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0560 + 0.0058 | .2184 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.0482 + 0.0052 | .1938 | ---- | ---- | ---- | ---- | 1650 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0415 + 0.0046 | .1716 | ---- | ---- | ---- | ---- | 1159 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0356 + 0.0040 | .1514 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.0306 + 0.0036 | .1334 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.0262 + 0.0032 | .1171 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.0225 + 0.0028 | .1029 | ---- | ---- | ---- | ---- | 31 UNCH |
| 3500 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0193 + 0.0024 | .0901 | ---- | ---- | 2 | ---- | 8575 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0094 + 0.0013 | .0475 | ---- | ---- | ---- | ---- | 920 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0051 + 0.0006 | .0268 | ---- | ---- | ---- | ---- | 1515 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0033 + 0.0003 | .0173 | ---- | ---- | ---- | ---- | 1638 UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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## FINAL



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| APR19 | | | | | | | | | | | | | |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0025 + 0.0002 | .0128 | ---- | ---- | ---- | ---- | 161 | UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0022 + 0.0002 | .0110 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0020 + 0.0002 | .0099 | ---- | ---- | ---- | ---- | 143 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0016 + 0.0001 | .0078 | ---- | ---- | ---- | ---- | 751 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0014 + 0.0001 | .0067 | ---- | ---- | ---- | ---- | 71 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0013 + 0.0001 | .0062 | ---- | ---- | ---- | ---- | 121 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0011 + 0.0001 | .0051 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0007 + 0.0001 | .0032 | ---- | ---- | ---- | ---- | 543 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0005 + 0.0001 | .0022 | ---- | ---- | ---- | ---- | 84 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0004 + 0.0001 | .0017 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0001 | .0013 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 449 | UNCH |
| TOTAL | | | | | | | | | | 2 | 150 | 36381 | |
| MAY19 | | | | | | | | | | | | | |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2145 + 0.0140 | .5827 | ---- | ---- | ---- | ---- | 609 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1894 + 0.0133 | .5401 | ---- | ---- | ---- | ---- | 259 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1664 + 0.0124 | .4976 | ---- | ---- | ---- | ---- | 620 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1457 + 0.0115 | .4558 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1270 + 0.0106 | .4151 | ---- | ---- | ---- | ---- | 1031 | UNCH |
| 2830 | ---- | ---- | ---- | ---- | ---- | 0.1167 + 0.0100 | .3913 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1103 + 0.0097 | .3759 | ---- | ---- | ---- | ---- | 330 | UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1072 + 0.0096 | .3683 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.0983 + 0.0089 | .3460 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0955 + 0.0088 | .3387 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0826 + 0.0080 | .3039 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.0779 + 0.0077 | .2907 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.0756 + 0.0075 | .2842 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0712 + 0.0072 | .2715 | ---- | ---- | ---- | 150 | 7070 | UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.0691 + 0.0070 | .2653 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0612 + 0.0065 | .2414 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.0575 + 0.0062 | .2299 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.0558 + 0.0061 | .2245 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.0524 + 0.0058 | .2137 | ---- | ---- | ---- | ---- | 205 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0448 + 0.0052 | .1885 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0324 + 0.0040 | .1448 | ---- | ---- | ---- | ---- | 885 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0275 + 0.0035 | .1263 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.0233 + 0.0030 | .1099 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.0170 + 0.0023 | .0837 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0146 + 0.0020 | .0732 | ---- | ---- | ---- | ---- | 1929 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0071 + 0.0009 | .0381 | ---- | ---- | ---- | ---- | 920 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0040 + 0.0004 | .0220 | ---- | ---- | ---- | ---- | 2410 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0028 + 0.0003 | .0151 | ---- | ---- | ---- | ---- | 229 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0022 + 0.0001 | .0115 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0019 + 0.0001 | .0097 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0018 + 0.0001 | .0091 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0015 + 0.0001 | .0073 | ---- | ---- | ---- | ---- | 730 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0013 + 0.0001 | .0063 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0012 + 0.0001 | .0058 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0010 + 0.0001 | .0047 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0007 + 0.0001 | .0032 | ---- | ---- | ---- | ---- | 516 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0022 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0004 + 0.0001 | .0017 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0003 + 0.0001 | .0013 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 400 | UNCH |
| TOTAL | | | | | | | | | | | 150 | 20061 | |
| JUN19 | | | | | | | | | | | | | |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2662 + 0.0141 | .6425 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2379 + 0.0135 | .6034 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2117 + 0.0128 | .5632 | ---- | ---- | ---- | ---- | 362 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1876 + 0.0121 | .5225 | ---- | ---- | ---- | ---- | 620 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1656 + 0.0113 | .4822 | ---- | ---- | ---- | ---- | 418 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1457 + 0.0105 | .4427 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 2830 | ---- | ---- | ---- | ---- | ---- | 0.1347 + 0.0100 | .4195 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1277 + 0.0097 | .4043 | ---- | ---- | ---- | ---- | 553 | UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1243 + 0.0095 | .3968 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.1147 + 0.0090 | .3747 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1116 + 0.0088 | .3675 | ---- | ---- | ---- | ---- | 145 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0974 + 0.0080 | .3327 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.0922 + 0.0077 | .3194 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.0897 + 0.0076 | .3128 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0848 + 0.0072 | .2999 | ---- | ---- | ---- | 150 | 3290 | UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.0825 + 0.0072 | .2937 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0736 + 0.0065 | .2693 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.0695 + 0.0063 | .2576 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.0676 + 0.0062 | .2521 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.0638 + 0.0060 | .2409 | ---- | ---- | ---- | ---- | 205 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0551 + 0.0054 | .2147 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0409 + 0.0043 | .1689 | ---- | ---- | ---- | ---- | 881 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0351 + 0.0037 | .1490 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.0301 + 0.0033 | .1311 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.0222 + 0.0025 | .1013 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0191 + 0.0022 | .0890 | ---- | ---- | ---- | ---- | 1729 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0094 + 0.0011 | .0473 | ---- | ---- | ---- | ---- | 2260 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0052 + 0.0005 | .0271 | ---- | ---- | ---- | ---- | 1225 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0034 + 0.0003 | .0177 | ---- | ---- | ---- | ---- | 229 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0027 + 0.0002 | .0136 | ---- | ---- | ---- | ---- | 127 | UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0024 + 0.0002 | .0118 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0022 + 0.0001 | .0107 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0019 + 0.0002 | .0090 | ---- | ---- | ---- | ---- | 730 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0017 + 0.0001 | .0079 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0016 + 0.0001 | .0074 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0013 + 0.0001 | .0059 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.0011 + 0.0001 | .0049 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0009 UNCH | .0040 | ---- | ---- | ---- | ---- | 515 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0007 UNCH | .0030 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0021 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0004 UNCH | .0016 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0002 UNCH | .0008 | ---- | ---- | ---- | ---- | 400 | UNCH |
| TOTAL | | | | | | | | | | | 150 | 15800 | |
| JUL19 | | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2312 + 0.0118 | .5875 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2058 + 0.0110 | .5478 | ---- | ---- | ---- | ---- | 729 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1826 + 0.0103 | .5079 | ---- | ---- | ---- | ---- | 418 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1613 + 0.0095 | .4685 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1421 + 0.0087 | .4301 | ---- | ---- | ---- | ---- | 330 | UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1385 + 0.0086 | .4226 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.1281 + 0.0081 | .4002 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1248 + 0.0080 | .3929 | ---- | ---- | ---- | ---- | 145 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.1093 + 0.0072 | .3574 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.1036 + 0.0069 | .3437 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.1008 + 0.0067 | .3369 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0956 + 0.0065 | .3238 | ---- | ---- | ---- | 150 | 3290 | UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.0930 + 0.0063 | .3173 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0834 + 0.0058 | .2922 | ---- | ---- | ---- | ---- | 27 | UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.0789 + 0.0055 | .2801 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.0768 + 0.0055 | .2743 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.0726 + 0.0052 | .2627 | ---- | ---- | ---- | ---- | 230 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0630 + 0.0047 | .2353 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0472 + 0.0037 | .1869 | ---- | ---- | ---- | ---- | 881 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0407 + 0.0033 | .1658 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.0351 + 0.0029 | .1468 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.0260 + 0.0022 | .1142 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0224 + 0.0019 | .1005 | ---- | ---- | ---- | ---- | 2103 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0111 + 0.0009 | .0541 | ---- | ---- | ---- | ---- | 920 | UNCH |

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# ENERGY OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| JUL19 | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0061 + 0.0005 | .0310 | ---- | ---- | ---- | ---- | 1225 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0039 + 0.0003 | .0199 | ---- | ---- | ---- | ---- | 229 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0029 + 0.0001 | .0145 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0026 + 0.0001 | .0127 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0024 + 0.0001 | .0116 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0021 + 0.0001 | .0098 | ---- | ---- | ---- | ---- | 730 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0019 + 0.0001 | .0087 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0018 + 0.0001 | .0081 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0015 + 0.0001 | .0067 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.0013 + 0.0001 | .0057 | ---- | ---- | ---- | ---- | 13 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0011 UNCH | .0047 | ---- | ---- | ---- | ---- | 513 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0008 UNCH | .0033 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0006 UNCH | .0025 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0020 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0003 UNCH | .0011 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | | 150 | 14104 |
| AUG19 | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2408 + 0.0123 | .5924 | ---- | ---- | ---- | ---- | 55 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2153 + 0.0116 | .5539 | ---- | ---- | ---- | 100 | 729 + 80 |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1918 + 0.0109 | .5152 | ---- | ---- | ---- | ---- | 768 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1703 + 0.0102 | .4769 | ---- | ---- | ---- | ---- | 750 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1507 + 0.0094 | .4394 | ---- | ---- | ---- | ---- | 330 UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1471 + 0.0093 | .4321 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.1365 + 0.0089 | .4103 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1331 + 0.0087 | .4032 | ---- | ---- | ---- | ---- | 145 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.1171 + 0.0079 | .3682 | ---- | ---- | ---- | ---- | 125 UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.1112 + 0.0075 | .3547 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.1084 + 0.0074 | .3481 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1030 + 0.0072 | .3352 | ---- | ---- | ---- | 150 | 3290 UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.1003 + 0.0070 | .3287 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0904 + 0.0065 | .3040 | ---- | ---- | ---- | ---- | 27 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.0857 + 0.0062 | .2920 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.0835 + 0.0061 | .2862 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.0792 + 0.0059 | .2748 | ---- | ---- | ---- | ---- | 230 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0691 + 0.0053 | .2474 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0524 + 0.0043 | .1987 | ---- | ---- | ---- | ---- | 881 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0455 + 0.0038 | .1773 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.0395 + 0.0034 | .1580 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0257 + 0.0024 | .1103 | ---- | ---- | ---- | ---- | 1753 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0130 + 0.0012 | .0607 | ---- | ---- | ---- | ---- | 920 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0072 + 0.0007 | .0352 | ---- | ---- | ---- | ---- | 1225 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0045 + 0.0004 | .0223 | ---- | ---- | ---- | ---- | 229 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0033 + 0.0003 | .0161 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0029 + 0.0002 | .0139 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0028 + 0.0002 | .0131 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0024 + 0.0002 | .0109 | ---- | ---- | ---- | ---- | 730 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0022 + 0.0002 | .0098 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0021 + 0.0002 | .0093 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0018 + 0.0001 | .0078 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.0015 + 0.0001 | .0064 | ---- | ---- | ---- | ---- | 13 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0013 UNCH | .0054 | ---- | ---- | ---- | ---- | 512 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0010 UNCH | .0041 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0008 UNCH | .0032 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0006 UNCH | .0023 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0004 + 0.0001 | .0014 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | | 250 | 14073 + 80 |
| SEP19 | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2391 + 0.0130 | .5810 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2144 + 0.0124 | .5435 | ---- | ---- | ---- | ---- | 656 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1916 + 0.0118 | .5061 | ---- | ---- | ---- | ---- | 418 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1707 + 0.0111 | .4692 | ---- | ---- | ---- | ---- | 750 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1518 + 0.0104 | .4333 | ---- | ---- | ---- | ---- | 330 UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1482 + 0.0102 | .4262 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.1378 + 0.0097 | .4052 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1345 + 0.0096 | .3983 | ---- | ---- | ---- | ---- | 145 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.1189 + 0.0088 | .3648 | ---- | ---- | ---- | ---- | 125 UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.1132 + 0.0085 | .3520 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.1104 + 0.0083 | .3456 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1050 + 0.0080 | .3331 | ---- | ---- | ---- | 150 | 3290 UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.1025 + 0.0079 | .3270 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0927 + 0.0074 | .3032 | ---- | ---- | ---- | ---- | 27 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.0881 + 0.0071 | .2918 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.0859 + 0.0070 | .2862 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.0816 + 0.0068 | .2751 | ---- | ---- | ---- | ---- | 230 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0716 + 0.0061 | .2487 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0549 + 0.0050 | .2016 | ---- | ---- | ---- | ---- | 881 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0480 + 0.0046 | .1809 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.0419 + 0.0041 | .1619 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0278 + 0.0031 | .1149 | ---- | ---- | ---- | ---- | 1753 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0144 + 0.0016 | .0648 | ---- | ---- | ---- | ---- | 920 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0080 + 0.0009 | .0379 | ---- | ---- | ---- | ---- | 1225 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0050 + 0.0005 | .0241 | ---- | ---- | ---- | ---- | 229 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0036 + 0.0004 | .0172 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0031 + 0.0003 | .0146 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0029 + 0.0002 | .0135 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0026 + 0.0003 | .0116 | ---- | ---- | ---- | ---- | 730 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0024 + 0.0003 | .0105 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0022 + 0.0002 | .0096 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0020 + 0.0002 | .0085 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.0017 + 0.0001 | .0071 | ---- | ---- | ---- | ---- | 13 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0015 + 0.0001 | .0061 | ---- | ---- | ---- | ---- | 511 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0012 + 0.0001 | .0047 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0009 UNCH | .0035 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0008 + 0.0001 | .0030 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0004 UNCH | .0014 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | | 150 | 13644 |
| OCT19 | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2515 + 0.0128 | .5946 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2260 + 0.0120 | .5578 | ---- | ---- | ---- | ---- | 817 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2026 + 0.0114 | .5207 | ---- | ---- | ---- | ---- | 418 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1810 + 0.0107 | .4840 | ---- | ---- | ---- | ---- | 750 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1612 + 0.0098 | .4480 | ---- | ---- | ---- | ---- | 355 UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1575 + 0.0097 | .4410 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.1468 + 0.0093 | .4200 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1433 + 0.0091 | .4131 | ---- | ---- | ---- | ---- | 245 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.1270 + 0.0083 | .3794 | ---- | ---- | ---- | ---- | 125 UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.1210 + 0.0081 | .3664 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.1181 + 0.0079 | .3600 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1124 + 0.0076 | .3472 | ---- | ---- | ---- | 150 | 3315 UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.1097 + 0.0074 | .3411 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.0995 + 0.0070 | .3170 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.0946 + 0.0066 | .3053 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.0923 + 0.0065 | .2996 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.0878 + 0.0063 | .2884 | ---- | ---- | ---- | ---- | 205 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0773 + 0.0057 | .2615 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0596 + 0.0047 | .2132 | ---- | ---- | ---- | ---- | 881 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0523 + 0.0043 | .1920 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.0457 + 0.0038 | .1721 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0305 + 0.0027 | .1231 | ---- | ---- | ---- | ---- | 1753 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0159 + 0.0014 | .0700 | ---- | ---- | ---- | ---- | 920 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0089 + 0.0008 | .0413 | ---- | ---- | ---- | ---- | 1460 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0055 + 0.0004 | .0261 | ---- | ---- | ---- | ---- | 229 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0039 + 0.0003 | .0184 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0033 + 0.0001 | .0154 | ---- | ---- | ---- | ---- | 55 UNCH |

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## FINAL



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| OCT19 | | | | | | | | | | | | |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0031 + 0.0001 | .0143 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0027 + 0.0001 | .0120 | ---- | ---- | ---- | ---- | 730 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0025 + 0.0001 | .0109 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0024 + 0.0001 | .0103 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0021 + 0.0001 | .0088 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0017 + 0.0001 | .0068 | ---- | ---- | ---- | ---- | 510 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0013 UNCH | .0051 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0011 + 0.0001 | .0041 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0009 UNCH | .0033 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0018 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | | 150 | 14126 |
| NOV19 | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2361 + 0.0088 | .5600 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2127 + 0.0081 | .5244 | ---- | ---- | ---- | ---- | 700 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1910 + 0.0074 | .4891 | ---- | ---- | ---- | ---- | 345 UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.1869 + 0.0073 | .4822 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.1749 + 0.0069 | .4614 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1710 + 0.0067 | .4545 | ---- | ---- | ---- | ---- | 35 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.1526 + 0.0061 | .4206 | ---- | ---- | ---- | ---- | 125 UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.1456 + 0.0058 | .4073 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.1422 + 0.0057 | .4007 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1357 + 0.0055 | .3877 | ---- | ---- | ---- | 150 | 3395 - 50 |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.1325 + 0.0053 | .3812 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1203 + 0.0047 | .3559 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.1147 + 0.0045 | .3438 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.1119 + 0.0044 | .3377 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.1067 + 0.0042 | .3260 | ---- | ---- | ---- | ---- | 15 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0944 + 0.0037 | .2975 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0735 + 0.0029 | .2457 | ---- | ---- | ---- | ---- | 889 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.0648 + 0.0025 | .2225 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0391 + 0.0013 | .1474 | ---- | ---- | ---- | ---- | 1788 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0208 + 0.0005 | .0860 | ---- | ---- | ---- | ---- | 995 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0116 + 0.0003 | .0510 | ---- | ---- | ---- | ---- | 840 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0068 + 0.0001 | .0311 | ---- | ---- | ---- | ---- | 229 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0043 UNCH | .0201 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0034 UNCH | .0160 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0029 - 0.0001 | .0137 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0021 - 0.0001 | .0099 | ---- | ---- | ---- | ---- | 511 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0018 - 0.0001 | .0084 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0016 - 0.0001 | .0075 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0012 - 0.0001 | .0056 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0008 UNCH | .0036 | ---- | ---- | ---- | ---- | 459 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0005 - 0.0001 | .0022 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0004 UNCH | .0017 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0003 UNCH | .0013 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | | 150 | 11639 - 50 |
| DEC19 | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2890 + 0.0106 | .6085 | ---- | ---- | ---- | ---- | 700 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2642 + 0.0098 | .5757 | ---- | ---- | ---- | ---- | 345 UNCH |
| 2860 | ---- | ---- | ---- | ---- | ---- | 0.2595 + 0.0098 | .5690 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2890 | ---- | ---- | ---- | ---- | ---- | 0.2457 + 0.0093 | .5492 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.2412 + 0.0092 | .5426 | ---- | ---- | ---- | ---- | 35 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.2198 + 0.0085 | .5101 | ---- | ---- | ---- | ---- | 125 UNCH |
| 2970 | ---- | ---- | ---- | ---- | ---- | 0.2117 + 0.0083 | .4973 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.2077 + 0.0082 | .4909 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1999 + 0.0079 | .4783 | ---- | ---- | ---- | 150 | 2850 UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.1961 + 0.0078 | .4720 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1814 + 0.0073 | .4472 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.1744 + 0.0070 | .4350 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.1710 + 0.0069 | .4289 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.1644 + 0.0066 | .4170 | ---- | ---- | ---- | ---- | 15 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.1489 + 0.0060 | .3881 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1219 + 0.0050 | .3342 | ---- | ---- | ---- | ---- | 714 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.1101 + 0.0045 | .3092 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0732 + 0.0030 | .2236 | ---- | ---- | ---- | ---- | 3148 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0437 + 0.0017 | .1457 | ---- | ---- | ---- | ---- | 1145 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0265 + 0.0010 | .0944 | ---- | ---- | ---- | ---- | 5330 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0165 + 0.0006 | .0618 | ---- | ---- | ---- | ---- | 229 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0106 + 0.0004 | .0411 | ---- | ---- | ---- | ---- | 125 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0089 + 0.0003 | .0350 | ---- | ---- | ---- | ---- | 242 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.0082 + 0.0003 | .0324 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.0070 + 0.0002 | .0279 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0048 + 0.0002 | .0195 | ---- | ---- | ---- | ---- | 399 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0038 UNCH | .0156 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0034 + 0.0001 | .0140 | ---- | ---- | ---- | ---- | 100 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0025 + 0.0001 | .0103 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0014 UNCH | .0058 | ---- | ---- | ---- | ---- | 458 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0008 - 0.0001 | .0034 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.0005 - 0.0001 | .0021 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7500 | ---- | ---- | ---- | ---- | ---- | 0.0004 UNCH | .0016 | ---- | ---- | ---- | ---- | 10 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 400 UNCH |
| TOTAL | | | | | | | | | | | 150 | 16998 |
| JAN20 | | | | | | | | | | | | |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.4171 + 0.0097 | .6950 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.4059 + 0.0094 | .6841 | ---- | ---- | ---- | ---- | 45 UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.4004 + 0.0093 | .6814 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.3842 + 0.0087 | .6642 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3790 + 0.0086 | .6568 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.3738 + 0.0085 | .6527 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3537 + 0.0080 | .6291 | ---- | ---- | ---- | ---- | 111 UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.3393 + 0.0075 | .6128 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3299 + 0.0072 | .6014 | ---- | ---- | ---- | ---- | 26 UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.3254 + 0.0072 | .5959 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.3165 + 0.0070 | .5847 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.3120 + 0.0067 | .5792 | ---- | ---- | ---- | ---- | 12 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3078 + 0.0067 | .5736 | ---- | ---- | ---- | ---- | 23 UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.3034 + 0.0065 | .5681 | ---- | ---- | ---- | ---- | 11 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2869 + 0.0061 | .5464 | ---- | ---- | ---- | ---- | 837 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.2327 + 0.0044 | .4692 | ---- | ---- | ---- | ---- | 36 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2030 + 0.0033 | .4225 | ---- | ---- | ---- | ---- | 1405 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1480 + 0.0013 | .3254 | ---- | ---- | ---- | ---- | 858 UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.1255 + 0.0005 | .2808 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1193 + 0.0005 | .2679 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.1133 + 0.0003 | .2555 | ---- | ---- | ---- | ---- | 855 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0885 - 0.0002 | .2032 | ---- | ---- | ---- | ---- | 560 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0708 - 0.0004 | .1644 | ---- | ---- | ---- | ---- | 4 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0585 - 0.0001 | .1380 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0437 - 0.0001 | .1071 | ---- | ---- | ---- | ---- | 358 UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.0343 - 0.0001 | .0868 | ---- | ---- | ---- | ---- | 294 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0303 - 0.0001 | .0779 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0251 - 0.0002 | .0661 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0236 - 0.0001 | .0626 | ---- | ---- | ---- | ---- | 75 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0086 - 0.0001 | .0255 | ---- | ---- | ---- | ---- | 32 UNCH |
| TOTAL | | | | | | | | | | | | 5920 |
| FEB20 | | | | | | | | | | | | |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.4335 + 0.0170 | .6693 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.4232 + 0.0169 | .6596 | ---- | ---- | ---- | ---- | 45 UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.4180 + 0.0166 | .6560 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.4031 + 0.0164 | .6408 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3983 + 0.0163 | .6352 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.3935 + 0.0163 | .6307 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3748 + 0.0159 | .6107 | ---- | ---- | ---- | ---- | 111 UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| FEB20 | | | | | | | | | | | | | |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.3614 + 0.0157 | .5960 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3526 + 0.0154 | .5863 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.3484 + 0.0154 | .5813 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.3399 + 0.0151 | .5716 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.3358 + 0.0150 | .5668 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3317 + 0.0149 | .5620 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.3277 + 0.0149 | .5572 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3120 + 0.0145 | .5383 | ---- | ---- | ---- | ---- | 837 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.2599 + 0.0130 | .4712 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2308 + 0.0120 | .4303 | ---- | ---- | ---- | ---- | 1405 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1748 + 0.0097 | .3432 | ---- | ---- | ---- | ---- | 858 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1438 + 0.0082 | .2892 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.1373 + 0.0079 | .2774 | ---- | ---- | ---- | ---- | 855 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.1098 + 0.0066 | .2266 | ---- | ---- | ---- | ---- | 560 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0900 + 0.0056 | .1880 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0770 + 0.0051 | .1625 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0452 + 0.0038 | .1021 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0387 + 0.0034 | .0892 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0367 + 0.0032 | .0852 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0157 + 0.0017 | .0404 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0093 + 0.0011 | .0253 | ---- | ---- | ---- | ---- | 510 | UNCH |
| TOTAL | | | | | | | | | | | | 5677 | |
| MAR20 | | | | | | | | | | | | | |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.3909 + 0.0157 | .6260 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3817 + 0.0157 | .6163 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.3772 + 0.0157 | .6115 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.3638 + 0.0153 | .5968 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3595 + 0.0152 | .5922 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.3552 + 0.0151 | .5872 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3384 + 0.0147 | .5682 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.3264 + 0.0144 | .5539 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3187 + 0.0143 | .5446 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.3148 + 0.0141 | .5400 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.3074 + 0.0140 | .5308 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.3037 + 0.0139 | .5263 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3001 + 0.0138 | .5218 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.2965 + 0.0137 | .5173 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2826 + 0.0132 | .4995 | ---- | ---- | ---- | ---- | 837 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.2368 + 0.0117 | .4373 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2113 + 0.0107 | .3998 | ---- | ---- | ---- | ---- | 1405 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1621 + 0.0084 | .3208 | ---- | ---- | ---- | ---- | 858 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1347 + 0.0071 | .2721 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.1289 + 0.0069 | .2615 | ---- | ---- | ---- | ---- | 855 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.1039 + 0.0055 | .2150 | ---- | ---- | ---- | ---- | 560 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0858 + 0.0047 | .1796 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0735 + 0.0045 | .1556 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0435 + 0.0034 | .0986 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0374 + 0.0031 | .0864 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0356 + 0.0030 | .0828 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0157 + 0.0015 | .0403 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | 5166 | |
| APR20 | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1581 + 0.0015 | .4398 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1476 + 0.0010 | .4194 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1409 + 0.0006 | .4060 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1377 + 0.0005 | .3994 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1283 UNCH | .3799 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1252 - 0.0002 | .3734 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1223 - 0.0003 | .3671 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1110 - 0.0010 | .3422 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.1031 - 0.0014 | .3241 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0981 - 0.0017 | .3124 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.0957 - 0.0018 | .3067 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0910 - 0.0020 | .2954 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.0887 - 0.0022 | .2898 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0865 - 0.0023 | .2843 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.0843 - 0.0024 | .2788 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0761 - 0.0028 | .2579 | ---- | ---- | ---- | ---- | 646 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0511 - 0.0038 | .1888 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0387 - 0.0042 | .1510 | ---- | ---- | ---- | 50 | 725 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0192 - 0.0039 | .0839 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0109 - 0.0032 | .0513 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0095 - 0.0030 | .0454 | ---- | ---- | ---- | ---- | 880 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0047 - 0.0021 | .0242 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0024 - 0.0013 | .0131 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0015 - 0.0008 | .0084 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0004 - 0.0003 | .0024 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0002 | .0018 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0001 | .0018 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 29 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 4672 | |
| MAY20 | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1364 + 0.0005 | .4114 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1266 UNCH | .3903 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1204 - 0.0003 | .3766 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1173 - 0.0006 | .3697 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1086 - 0.0011 | .3497 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1058 - 0.0013 | .3431 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1031 - 0.0014 | .3367 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.0928 - 0.0019 | .3115 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.0856 - 0.0023 | .2933 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0811 - 0.0026 | .2816 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.0789 - 0.0027 | .2759 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0747 - 0.0029 | .2646 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.0727 - 0.0030 | .2591 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0707 - 0.0031 | .2537 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.0687 - 0.0032 | .2482 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0614 - 0.0036 | .2275 | ---- | ---- | ---- | ---- | 646 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0397 - 0.0043 | .1609 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0293 - 0.0045 | .1255 | ---- | ---- | ---- | 50 | 725 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0138 - 0.0037 | .0661 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0075 - 0.0029 | .0387 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0065 - 0.0026 | .0340 | ---- | ---- | ---- | ---- | 880 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0031 - 0.0017 | .0174 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0016 - 0.0009 | .0094 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0009 - 0.0006 | .0055 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0002 | .0013 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0001 | .0013 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0001 | .0012 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 28 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 4621 | |
| JUN20 | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1467 + 0.0008 | .4310 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1363 + 0.0002 | .4096 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1298 - 0.0001 | .3956 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1266 - 0.0003 | .3887 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1173 - 0.0009 | .3682 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1144 - 0.0011 | .3616 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1115 - 0.0012 | .3550 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1005 - 0.0019 | .3291 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.0929 - 0.0023 | .3105 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0880 - 0.0026 | .2983 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.0857 - 0.0027 | .2924 | ---- | ---- | ---- | ---- | 11 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| JUN20 | | | | | | | | | | | | | |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0812 - 0.0029 | .2807 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.0790 - 0.0031 | .2750 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0769 - 0.0032 | .2694 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.0748 - 0.0033 | .2638 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0670 - 0.0036 | .2424 | ---- | ---- | ---- | ---- | 646 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0436 - 0.0045 | .1727 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0323 - 0.0048 | .1354 | ---- | ---- | ---- | 50 | 725 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0153 - 0.0040 | .0719 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0084 - 0.0031 | .0425 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0072 - 0.0029 | .0371 | ---- | ---- | ---- | ---- | 880 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0035 - 0.0018 | .0193 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0018 - 0.0010 | .0104 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0011 - 0.0006 | .0065 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0002 | .0019 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0001 | .0013 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0001 | .0012 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 28 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 4621 | |
| JUL20 | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1599 + 0.0011 | .4538 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1489 + 0.0005 | .4322 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1419 + 0.0001 | .4180 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1385 - 0.0001 | .4110 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1287 - 0.0007 | .3902 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1256 - 0.0008 | .3835 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1225 - 0.0010 | .3767 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1107 - 0.0017 | .3503 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.1025 - 0.0022 | .3312 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0974 - 0.0024 | .3188 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.0949 - 0.0025 | .3127 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0900 - 0.0028 | .3007 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.0876 - 0.0030 | .2947 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0853 - 0.0031 | .2889 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.0831 - 0.0032 | .2832 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0746 - 0.0037 | .2609 | ---- | ---- | ---- | ---- | 646 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0490 - 0.0048 | .1879 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0366 - 0.0050 | .1486 | ---- | ---- | ---- | 50 | 725 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0174 - 0.0045 | .0796 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0096 - 0.0036 | .0474 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0083 - 0.0033 | .0416 | ---- | ---- | ---- | ---- | 880 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0040 - 0.0022 | .0216 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0021 - 0.0012 | .0118 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0012 - 0.0008 | .0070 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0003 | .0019 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0002 | .0013 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0002 | .0012 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 27 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 4620 | |
| AUG20 | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1646 + 0.0005 | .4599 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1535 - 0.0001 | .4385 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1465 - 0.0004 | .4245 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1430 - 0.0006 | .4174 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1331 - 0.0011 | .3969 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1299 - 0.0013 | .3901 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1267 - 0.0016 | .3833 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1148 - 0.0022 | .3570 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.1064 - 0.0027 | .3379 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1011 - 0.0030 | .3255 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.0986 - 0.0031 | .3194 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0936 - 0.0034 | .3074 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.0912 - 0.0035 | .3015 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0889 - 0.0035 | .2957 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.0866 - 0.0037 | .2899 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0779 - 0.0041 | .2676 | ---- | ---- | ---- | ---- | 646 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0516 - 0.0051 | .1942 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0387 - 0.0055 | .1542 | ---- | ---- | ---- | 50 | 725 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0186 - 0.0049 | .0835 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0104 - 0.0039 | .0503 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0090 - 0.0036 | .0443 | ---- | ---- | ---- | ---- | 880 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0044 - 0.0024 | .0233 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0023 - 0.0014 | .0128 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0014 - 0.0009 | .0080 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0004 - 0.0003 | .0024 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0002 | .0018 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0002 | .0012 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 26 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 4619 | |
| SEP20 | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1599 - 0.0004 | .4504 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1491 - 0.0010 | .4292 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1422 - 0.0013 | .4153 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1389 - 0.0014 | .4085 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1292 - 0.0020 | .3881 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1261 - 0.0021 | .3814 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1230 - 0.0024 | .3748 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1114 - 0.0030 | .3489 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.1033 - 0.0034 | .3301 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0982 - 0.0036 | .3180 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.0957 - 0.0038 | .3120 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0909 - 0.0040 | .3002 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.0885 - 0.0042 | .2943 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0863 - 0.0042 | .2887 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.0840 - 0.0044 | .2830 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0756 - 0.0047 | .2611 | ---- | ---- | ---- | ---- | 646 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0501 - 0.0056 | .1894 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0376 - 0.0058 | .1503 | ---- | ---- | ---- | 50 | 725 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0182 - 0.0050 | .0818 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0102 - 0.0040 | .0494 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0088 - 0.0037 | .0433 | ---- | ---- | ---- | ---- | 880 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0044 - 0.0024 | .0232 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0022 - 0.0015 | .0123 | ---- | ---- | ---- | ---- | 90 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0014 - 0.0009 | .0080 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0004 - 0.0003 | .0024 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0002 | .0018 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0002 | .0012 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 26 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 4619 | |
| OCT20 | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1710 - 0.0016 | .4660 | ---- | ---- | ---- | ---- | 35 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1598 - 0.0021 | .4449 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1527 - 0.0023 | .4311 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1492 - 0.0025 | .4242 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1391 - 0.0030 | .4039 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1359 - 0.0031 | .3973 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1327 - 0.0033 | .3906 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1206 - 0.0039 | .3648 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.1121 - 0.0043 | .3459 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1067 - 0.0045 | .3337 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.1041 - 0.0046 | .3276 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0990 - 0.0049 | .3157 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.0965 - 0.0050 | .3098 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0941 - 0.0051 | .3040 | ---- | ---- | ---- | ---- | 23 | UNCH |

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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| OCT20 | | | | | | | | | | | | | |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.0918 - 0.0052 | .2984 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0828 - 0.0056 | .2761 | ---- | ---- | ---- | ---- | 646 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0557 - 0.0063 | .2030 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0422 - 0.0066 | .1626 | ---- | ---- | ---- | 50 | 725 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0207 - 0.0058 | .0899 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0118 - 0.0046 | .0552 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0102 - 0.0043 | .0486 | ---- | ---- | ---- | ---- | 880 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0051 - 0.0029 | .0261 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0027 - 0.0017 | .0145 | ---- | ---- | ---- | ---- | 28 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0016 - 0.0012 | .0089 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0005 - 0.0003 | .0029 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0003 | .0018 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0003 | .0018 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 4556 | |
| NOV20 | | | | | | | | | | | | | |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1913 - 0.0006 | .4876 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1841 - 0.0006 | .4743 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.1806 - 0.0006 | .4678 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.1704 - 0.0007 | .4484 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1671 - 0.0007 | .4420 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1639 - 0.0007 | .4357 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1515 - 0.0007 | .4111 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.1428 - 0.0007 | .3932 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1373 - 0.0007 | .3816 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.1346 - 0.0007 | .3759 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.1293 - 0.0007 | .3646 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.1267 - 0.0008 | .3590 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.1242 - 0.0007 | .3535 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.1218 - 0.0007 | .3482 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1123 - 0.0007 | .3270 | ---- | ---- | ---- | ---- | 577 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0824 - 0.0006 | .2561 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0666 - 0.0006 | .2157 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0384 - 0.0005 | .1368 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0244 - 0.0004 | .0930 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0217 - 0.0004 | .0841 | ---- | ---- | ---- | ---- | 905 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0121 - 0.0002 | .0505 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0066 - 0.0002 | .0295 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0041 - 0.0001 | .0192 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0010 - 0.0001 | .0053 | ---- | ---- | ---- | ---- | 431 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0007 UNCH | .0038 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0006 UNCH | .0033 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0006 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 4559 | |
| DEC20 | | | | | | | | | | | | | |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2600 - 0.0006 | .5755 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2512 - 0.0008 | .5622 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2760 | ---- | ---- | ---- | ---- | ---- | 0.2470 - 0.0007 | .5554 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2790 | ---- | ---- | ---- | ---- | ---- | 0.2346 - 0.0007 | .5358 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2305 - 0.0008 | .5293 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2265 - 0.0008 | .5229 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2112 - 0.0008 | .4975 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2880 | ---- | ---- | ---- | ---- | ---- | 0.2003 - 0.0008 | .4789 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.1933 - 0.0008 | .4667 | ---- | ---- | ---- | ---- | 26 | UNCH |
| 2910 | ---- | ---- | ---- | ---- | ---- | 0.1899 - 0.0008 | .4607 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.1832 - 0.0008 | .4488 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2940 | ---- | ---- | ---- | ---- | ---- | 0.1799 - 0.0008 | .4429 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.1767 - 0.0008 | .4371 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 2960 | ---- | ---- | ---- | ---- | ---- | 0.1735 - 0.0009 | .4313 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1614 - 0.0009 | .4086 | ---- | ---- | ---- | ---- | 577 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.1224 - 0.0008 | .3308 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1013 - 0.0008 | .2852 | ---- | ---- | ---- | ---- | 550 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0621 - 0.0007 | .1921 | ---- | ---- | ---- | ---- | 765 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0413 - 0.0006 | .1369 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0373 - 0.0005 | .1256 | ---- | ---- | ---- | ---- | 905 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0220 - 0.0005 | .0799 | ---- | ---- | ---- | ---- | 810 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0128 - 0.0003 | .0498 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 0.0083 - 0.0002 | .0339 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 0.0059 - 0.0002 | .0250 | ---- | ---- | ---- | ---- | 242 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0024 - 0.0001 | .0110 | ---- | ---- | ---- | ---- | 319 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 0.0017 - 0.0001 | .0080 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0015 - 0.0001 | .0072 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0001 | .0011 | ---- | ---- | ---- | ---- | 24 | UNCH |
| TOTAL | | | | | | | | | | | | 4688 | |
| JAN21 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2899 + 0.0024 | .5637 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2401 + 0.0021 | .4851 | ---- | ---- | ---- | ---- | 740 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.1990 + 0.0021 | .4166 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1745 + 0.0020 | .3751 | ---- | ---- | ---- | ---- | 420 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1244 + 0.0018 | .2856 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.1012 + 0.0016 | .2411 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0881 + 0.0015 | .2149 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0624 + 0.0012 | .1606 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0316 + 0.0008 | .0890 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0241 + 0.0006 | .0700 | ---- | ---- | ---- | ---- | 358 | UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.0184 + 0.0006 | .0551 | ---- | ---- | ---- | ---- | 294 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0123 + 0.0004 | .0383 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0042 + 0.0001 | .0144 | ---- | ---- | ---- | ---- | 24 | UNCH |
| TOTAL | | | | | | | | | | | | 3590 | |
| FEB21 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2976 + 0.0032 | .5496 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2506 + 0.0029 | .4786 | ---- | ---- | ---- | ---- | 490 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.2104 + 0.0028 | .4158 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1864 + 0.0027 | .3775 | ---- | ---- | ---- | ---- | 420 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1364 + 0.0023 | .2939 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.1127 + 0.0020 | .2516 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0993 + 0.0019 | .2266 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0724 + 0.0015 | .1738 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0389 + 0.0010 | .1017 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0305 + 0.0009 | .0821 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0166 + 0.0006 | .0478 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0064 + 0.0003 | .0201 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.0035 + 0.0002 | .0116 | ---- | ---- | ---- | ---- | 510 | UNCH |
| TOTAL | | | | | | | | | | | | 3227 | |
| MAR21 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2918 + 0.0039 | .5349 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2760 + 0.0038 | .5115 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2338 + 0.0036 | .4471 | ---- | ---- | ---- | ---- | 490 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.1960 + 0.0033 | .3889 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1739 + 0.0031 | .3536 | ---- | ---- | ---- | ---- | 420 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1284 + 0.0025 | .2769 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.1069 + 0.0022 | .2382 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0947 + 0.0022 | .2154 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0698 + 0.0017 | .1666 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0384 + 0.0011 | .0995 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0304 + 0.0010 | .0810 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0169 + 0.0006 | .0481 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0068 + 0.0002 | .0211 | ---- | ---- | ---- | ---- | 23 | UNCH |
| TOTAL | | | | | | | | | | | | 2967 | |
| APR21 | | | | | | | | | | | | | |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2145 + 0.0064 | .5191 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1446 + 0.0055 | .3933 | ---- | ---- | ---- | ---- | 300 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| APR21 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1176 + 0.0049 | .3375 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0857 + 0.0042 | .2645 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0618 + 0.0034 | .2039 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0498 + 0.0030 | .1707 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0291 + 0.0021 | .1083 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0211 + 0.0016 | .0820 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0172 + 0.0014 | .0684 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0105 + 0.0009 | .0438 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0067 + 0.0006 | .0289 | ---- | ---- | ---- | ---- | 86 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0045 + 0.0004 | .0199 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0034 + 0.0003 | .0151 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0020 + 0.0002 | .0089 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0010 + 0.0001 | .0044 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | 3262 | |
| MAY21 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1292 + 0.0052 | .3718 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1040 + 0.0046 | .3159 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0745 + 0.0039 | .2436 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0528 + 0.0031 | .1847 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0421 + 0.0027 | .1530 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0239 + 0.0018 | .0944 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0172 + 0.0013 | .0707 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0140 + 0.0012 | .0587 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0085 + 0.0008 | .0373 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0054 + 0.0005 | .0244 | ---- | ---- | ---- | ---- | 86 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0037 + 0.0003 | .0170 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0029 + 0.0003 | .0133 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0017 + 0.0002 | .0077 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0009 + 0.0001 | .0040 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | 3012 | |
| JUN21 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1358 + 0.0046 | .3862 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1094 + 0.0041 | .3286 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0783 + 0.0034 | .2537 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0555 + 0.0028 | .1926 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0442 + 0.0025 | .1595 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0250 + 0.0016 | .0982 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0180 + 0.0013 | .0736 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0145 + 0.0011 | .0607 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0088 + 0.0007 | .0385 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0056 + 0.0005 | .0252 | ---- | ---- | ---- | ---- | 86 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0038 + 0.0003 | .0174 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0029 + 0.0002 | .0133 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0017 + 0.0001 | .0078 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0009 + 0.0001 | .0040 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | 3012 | |
| JUL21 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1472 + 0.0046 | .4061 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1192 + 0.0043 | .3474 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0860 + 0.0036 | .2704 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0613 + 0.0030 | .2066 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0489 + 0.0026 | .1717 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0278 + 0.0017 | .1065 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0200 + 0.0013 | .0799 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0162 + 0.0011 | .0663 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0098 + 0.0008 | .0420 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0062 + 0.0005 | .0275 | ---- | ---- | ---- | ---- | 86 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0042 + 0.0003 | .0189 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0032 + 0.0002 | .0145 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0019 + 0.0002 | .0085 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0010 + 0.0001 | .0044 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 3011 | |
| AUG21 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1533 + 0.0047 | .4148 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1246 + 0.0042 | .3561 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0905 + 0.0037 | .2788 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0649 + 0.0030 | .2143 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0519 + 0.0026 | .1786 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0298 + 0.0018 | .1119 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0215 + 0.0014 | .0843 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0174 + 0.0012 | .0699 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0106 + 0.0008 | .0446 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0067 + 0.0005 | .0292 | ---- | ---- | ---- | ---- | 86 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0045 + 0.0004 | .0200 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0034 + 0.0002 | .0152 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0020 + 0.0001 | .0089 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0010 UNCH | .0044 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 3011 | |
| SEP21 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1540 + 0.0046 | .4146 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1254 + 0.0042 | .3564 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0913 + 0.0035 | .2795 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0658 + 0.0030 | .2156 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0528 + 0.0026 | .1802 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0305 + 0.0018 | .1135 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0221 + 0.0014 | .0858 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0180 + 0.0012 | .0715 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0110 + 0.0008 | .0458 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0070 + 0.0005 | .0302 | ---- | ---- | ---- | ---- | 86 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0047 + 0.0004 | .0207 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0036 + 0.0003 | .0159 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0021 + 0.0001 | .0093 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0011 + 0.0001 | .0047 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 3011 | |
| OCT21 | | | | | | | | | | | | | |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1675 + 0.0047 | .4337 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1374 + 0.0043 | .3753 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1012 + 0.0037 | .2975 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0738 + 0.0032 | .2321 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0595 + 0.0027 | .1951 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0349 + 0.0019 | .1249 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0254 + 0.0015 | .0950 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0207 + 0.0013 | .0794 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0127 + 0.0009 | .0512 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.0081 + 0.0006 | .0339 | ---- | ---- | ---- | ---- | 24 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0054 + 0.0004 | .0231 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0041 + 0.0003 | .0177 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0024 + 0.0002 | .0104 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0013 + 0.0001 | .0055 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | 2948 | |
| NOV21 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1644 + 0.0045 | .4152 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1245 + 0.0040 | .3366 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0958 + 0.0033 | .2723 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0819 + 0.0031 | .2378 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0569 + 0.0023 | .1717 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0471 + 0.0021 | .1437 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0418 + 0.0019 | .1283 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0317 + 0.0014 | .0982 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0187 + 0.0011 | .0592 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0146 + 0.0009 | .0472 | ---- | ---- | ---- | ---- | 30 | UNCH |

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# ENERGY OPTIONS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| NOV21 | | | | | | | | | | | | | |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0079 + 0.0006 | .0268 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0026 + 0.0002 | .0097 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | 2624 | |
| DEC21 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2322 + 0.0050 | .5041 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1811 + 0.0046 | .4216 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.1405 + 0.0041 | .3483 | ---- | ---- | ---- | ---- | 65 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1189 + 0.0038 | .3054 | ---- | ---- | ---- | ---- | 370 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0821 + 0.0030 | .2229 | ---- | ---- | ---- | ---- | 777 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0671 + 0.0025 | .1862 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0594 + 0.0023 | .1663 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0449 + 0.0019 | .1277 | ---- | ---- | ---- | ---- | 140 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0278 + 0.0013 | .0801 | ---- | ---- | ---- | ---- | 112 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0228 + 0.0012 | .0664 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 0.0130 + 0.0007 | .0396 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0052 + 0.0004 | .0171 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | 2624 | |
| JAN22 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3225 + 0.0033 | .5711 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2665 + 0.0031 | .4977 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1922 + 0.0026 | .3896 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1376 + 0.0021 | .3000 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.1124 + 0.0019 | .2550 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0699 + 0.0013 | .1722 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0358 + 0.0008 | .0970 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0277 + 0.0007 | .0773 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0189 + 0.0004 | .0550 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0058 + 0.0002 | .0187 | ---- | ---- | ---- | ---- | 19 | UNCH |
| TOTAL | | | | | | | | | | | | 904 | |
| FEB22 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3266 + 0.0033 | .5592 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2727 + 0.0030 | .4907 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2007 + 0.0025 | .3896 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1468 + 0.0020 | .3052 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.1215 + 0.0018 | .2622 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0780 + 0.0014 | .1821 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0418 + 0.0008 | .1069 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0329 + 0.0007 | .0867 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0231 + 0.0005 | .0633 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0077 + 0.0002 | .0233 | ---- | ---- | ---- | ---- | 19 | UNCH |
| TOTAL | | | | | | | | | | | | 901 | |
| MAR22 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3074 + 0.0031 | .5299 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2578 + 0.0028 | .4656 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1911 + 0.0023 | .3710 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1412 + 0.0019 | .2924 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.1177 + 0.0017 | .2524 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0769 + 0.0013 | .1776 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0423 + 0.0008 | .1066 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0336 + 0.0006 | .0871 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0240 + 0.0005 | .0646 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0083 + 0.0002 | .0247 | ---- | ---- | ---- | ---- | 19 | UNCH |
| TOTAL | | | | | | | | | | | | 904 | |
| APR22 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1694 + 0.0006 | .4063 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1560 + 0.0006 | .3818 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1214 + 0.0003 | .3145 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0797 + 0.0001 | .2242 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0522 UNCH | .1576 | ---- | ---- | ---- | ---- | 302 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0405 - 0.0001 | .1270 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0232 - 0.0001 | .0778 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0112 - 0.0001 | .0401 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0086 - 0.0001 | .0314 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0059 - 0.0001 | .0220 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0022 UNCH | .0085 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | 927 | |
| MAY22 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1495 + 0.0006 | .3847 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1368 + 0.0005 | .3595 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1045 + 0.0002 | .2912 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0664 UNCH | .2015 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0422 - 0.0001 | .1375 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0323 - 0.0001 | .1091 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0179 - 0.0001 | .0646 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0084 - 0.0001 | .0322 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0064 UNCH | .0249 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0044 UNCH | .0175 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0017 UNCH | .0068 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | 928 | |
| JUN22 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1563 + 0.0005 | .3976 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1431 + 0.0004 | .3718 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1094 + 0.0002 | .3017 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0696 UNCH | .2091 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0441 - 0.0002 | .1426 | ---- | ---- | ---- | ---- | 302 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0337 - 0.0002 | .1131 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0186 - 0.0002 | .0668 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0087 - 0.0001 | .0332 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0066 - 0.0001 | .0256 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0045 - 0.0001 | .0178 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0017 UNCH | .0068 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | 927 | |
| JUL22 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1662 + 0.0006 | .4136 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1524 + 0.0005 | .3873 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1171 + 0.0002 | .3158 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0749 UNCH | .2203 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0477 - 0.0001 | .1511 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0365 - 0.0002 | .1201 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0203 - 0.0001 | .0714 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0095 - 0.0001 | .0356 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0072 - 0.0001 | .0275 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0049 - 0.0001 | .0191 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0019 UNCH | .0075 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | 928 | |
| AUG22 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1715 + 0.0005 | .4215 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1573 + 0.0004 | .3949 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1212 + 0.0001 | .3228 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0779 - 0.0001 | .2262 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0498 - 0.0002 | .1558 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0382 - 0.0002 | .1242 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0213 - 0.0002 | .0741 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0100 - 0.0001 | .0371 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0076 - 0.0001 | .0287 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0052 - 0.0001 | .0200 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0020 UNCH | .0078 | ---- | ---- | ---- | ---- | 18 | UNCH |
| TOTAL | | | | | | | | | | | | 928 | |

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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| SEP22 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1726 + 0.0004 | .4226 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1585 + 0.0004 | .3962 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1223 + 0.0001 | .3242 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0788 - 0.0002 | .2277 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0506 - 0.0002 | .1573 | ---- | ---- | ---- | ---- | 302 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0388 - 0.0003 | .1254 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0217 - 0.0002 | .0751 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0103 - 0.0001 | .0379 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0078 - 0.0001 | .0293 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0054 - 0.0001 | .0206 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0020 UNCH | .0078 | ---- | ---- | ---- | ---- | 17 | UNCH |
| TOTAL | | | | | | | | | | | | 926 | |
| OCT22 | | | | | | | | | | | | | |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1852 + 0.0001 | .4396 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1704 UNCH | .4130 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1324 - 0.0002 | .3402 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0862 - 0.0004 | .2415 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0559 - 0.0004 | .1686 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0431 - 0.0004 | .1352 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0243 - 0.0003 | .0817 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0116 - 0.0003 | .0416 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0089 - 0.0002 | .0325 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0061 - 0.0002 | .0228 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0023 UNCH | .0088 | ---- | ---- | ---- | ---- | 17 | UNCH |
| TOTAL | | | | | | | | | | | | 927 | |
| NOV22 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1971 - 0.0001 | .4494 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1548 - 0.0003 | .3744 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1021 - 0.0004 | .2702 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0665 - 0.0004 | .1906 | ---- | ---- | ---- | ---- | 302 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0512 - 0.0005 | .1533 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0282 - 0.0004 | .0918 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0131 - 0.0002 | .0460 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0099 - 0.0002 | .0355 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0068 - 0.0001 | .0249 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0028 UNCH | .0103 | ---- | ---- | ---- | ---- | 17 | UNCH |
| TOTAL | | | | | | | | | | | | 901 | |
| DEC22 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2663 + 0.0001 | .5326 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2145 - 0.0001 | .4544 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1474 - 0.0004 | .3416 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0998 - 0.0005 | .2509 | ---- | ---- | ---- | ---- | 303 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 0.0786 - 0.0006 | .2066 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0451 - 0.0005 | .1296 | ---- | ---- | ---- | ---- | 80 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0212 - 0.0004 | .0668 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0160 - 0.0003 | .0518 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0109 - 0.0002 | .0363 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0040 - 0.0001 | .0138 | ---- | ---- | ---- | ---- | 17 | UNCH |
| TOTAL | | | | | | | | | | | | 902 | |
| JAN23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2892 + 0.0021 | .5209 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2715 + 0.0021 | .4976 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2099 + 0.0017 | .4110 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1523 + 0.0014 | .3199 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1183 + 0.0012 | .2605 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0817 + 0.0009 | .1909 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0452 + 0.0005 | .1141 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0359 + 0.0005 | .0931 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0192 + 0.0002 | .0531 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0147 + 0.0003 | .0417 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0087 + 0.0002 | .0257 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | 671 | |
| FEB23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2934 + 0.0016 | .5130 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2763 + 0.0016 | .4910 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2165 + 0.0014 | .4094 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1597 + 0.0011 | .3228 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1260 + 0.0010 | .2662 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0889 + 0.0008 | .1988 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0508 + 0.0005 | .1225 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0408 + 0.0004 | .1010 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0228 + 0.0003 | .0601 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0176 + 0.0002 | .0475 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0108 + 0.0002 | .0304 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | 668 | |
| MAR23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2773 + 0.0016 | .4882 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2614 + 0.0015 | .4674 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2061 + 0.0013 | .3906 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1535 + 0.0010 | .3096 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1222 + 0.0009 | .2568 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0874 + 0.0007 | .1937 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0510 + 0.0004 | .1215 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0413 + 0.0004 | .1010 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0234 + 0.0002 | .0609 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0183 + 0.0002 | .0487 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0114 + 0.0001 | .0316 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | 671 | |
| APR23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1526 + 0.0012 | .3583 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1419 + 0.0011 | .3381 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1073 + 0.0009 | .2684 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0764 + 0.0007 | .2011 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0584 + 0.0006 | .1594 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0393 + 0.0004 | .1126 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0209 + 0.0003 | .0639 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0163 + 0.0002 | .0510 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0084 + 0.0001 | .0278 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0063 + 0.0001 | .0213 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0035 UNCH | .0124 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | 670 | |
| MAY23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1488 + 0.0011 | .3514 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1385 + 0.0010 | .3317 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1050 + 0.0009 | .2636 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0748 + 0.0007 | .1975 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0572 + 0.0005 | .1566 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0386 + 0.0004 | .1109 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0205 + 0.0002 | .0629 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0160 + 0.0002 | .0503 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0083 + 0.0001 | .0276 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0062 UNCH | .0211 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0035 UNCH | .0124 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | 671 | |
| JUN23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1584 + 0.0011 | .3648 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1476 + 0.0011 | .3447 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1123 + 0.0009 | .2752 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0806 + 0.0007 | .2076 | ---- | ---- | ---- | ---- | 52 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| JUN23 | | | | | | | | | | | | | |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0620 + 0.0006 | .1655 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0422 + 0.0004 | .1181 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0227 + 0.0002 | .0679 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0178 + 0.0002 | .0545 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0094 + 0.0001 | .0304 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0071 + 0.0001 | .0234 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0040 UNCH | .0138 | ---- | ---- | ---- | ---- | 16 | UNCH |
| TOTAL | | | | | | | | | | | | 670 | |
| JUL23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1692 + 0.0012 | .3792 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1579 + 0.0012 | .3589 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1205 + 0.0010 | .2877 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0871 + 0.0007 | .2185 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0673 + 0.0006 | .1751 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0461 + 0.0004 | .1257 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0252 + 0.0003 | .0733 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0198 + 0.0002 | .0590 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0105 + 0.0001 | .0331 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0080 + 0.0001 | .0258 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0046 UNCH | .0154 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | 670 | |
| AUG23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1763 + 0.0012 | .3881 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1646 + 0.0011 | .3676 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1259 + 0.0009 | .2956 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0914 + 0.0007 | .2254 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0709 + 0.0006 | .1813 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0488 + 0.0004 | .1308 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0269 + 0.0003 | .0769 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0213 + 0.0002 | .0623 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0114 + 0.0001 | .0353 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0087 + 0.0001 | .0275 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0051 + 0.0001 | .0168 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | 670 | |
| SEP23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1789 + 0.0012 | .3905 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1672 + 0.0011 | .3701 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1283 + 0.0009 | .2984 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0935 + 0.0008 | .2283 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0727 + 0.0006 | .1840 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0503 + 0.0005 | .1334 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0279 + 0.0003 | .0789 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0222 + 0.0002 | .0642 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0120 + 0.0001 | .0367 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0092 + 0.0001 | .0287 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0054 UNCH | .0176 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | 669 | |
| OCT23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.1903 + 0.0012 | .4048 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1781 + 0.0011 | .3842 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1371 + 0.0009 | .3111 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1004 + 0.0008 | .2393 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0784 + 0.0006 | .1937 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0546 + 0.0005 | .1413 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0306 + 0.0003 | .0845 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0244 + 0.0002 | .0689 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0134 + 0.0002 | .0399 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0103 + 0.0001 | .0314 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.0061 UNCH | .0194 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | 670 | |
| NOV23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2145 + 0.0013 | .4348 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2011 + 0.0012 | .4135 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1557 + 0.0010 | .3373 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1146 + 0.0008 | .2614 | ---- | ---- | ---- | ---- | 52 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0902 + 0.0006 | .2132 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0634 + 0.0005 | .1571 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0360 + 0.0004 | .0952 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0289 + 0.0002 | .0782 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0160 + 0.0001 | .0458 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0124 + 0.0001 | .0362 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 654 | |
| DEC23 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2764 + 0.0014 | .5050 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2602 + 0.0014 | .4825 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2041 + 0.0011 | .4000 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1514 + 0.0009 | .3145 | ---- | ---- | ---- | ---- | 53 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1206 + 0.0008 | .2598 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.0861 + 0.0006 | .1948 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0500 + 0.0004 | .1211 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0405 + 0.0003 | .1004 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.0231 + 0.0002 | .0606 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.0180 + 0.0001 | .0483 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 655 | |
| JAN24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.3135 + 0.0015 | .5371 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2488 + 0.0013 | .4509 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1857 + 0.0010 | .3589 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1468 + 0.0009 | .2971 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0598 + 0.0004 | .1386 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0488 + 0.0004 | .1157 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0285 + 0.0002 | .0705 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 691 | |
| FEB24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.3032 + 0.0014 | .5254 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2405 + 0.0012 | .4406 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1796 + 0.0010 | .3503 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1419 + 0.0008 | .2898 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0582 + 0.0004 | .1356 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0476 + 0.0004 | .1133 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0279 + 0.0002 | .0693 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 689 | |
| MAR24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2761 + 0.0014 | .4960 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2181 + 0.0011 | .4138 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1622 + 0.0009 | .3272 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1278 + 0.0008 | .2696 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0525 + 0.0004 | .1255 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0431 + 0.0003 | .1051 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0253 + 0.0002 | .0642 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 691 | |
| APR24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1825 + 0.0011 | .3859 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1399 + 0.0009 | .3127 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1004 + 0.0007 | .2386 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0777 + 0.0006 | .1922 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0321 + 0.0003 | .0872 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0266 + 0.0003 | .0732 | ---- | ---- | ---- | ---- | 30 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| APR24 | | | | | | | | | | | | | |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0146 + 0.0001 | .0422 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 690 | |
| MAY24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1781 + 0.0011 | .3791 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1366 + 0.0009 | .3071 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.0982 + 0.0007 | .2345 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0761 + 0.0006 | .1890 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0316 + 0.0003 | .0861 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0262 + 0.0002 | .0723 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0145 + 0.0002 | .0420 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 691 | |
| JUN24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1883 + 0.0010 | .3915 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1453 + 0.0009 | .3189 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1050 + 0.0007 | .2448 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0816 + 0.0006 | .1980 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0340 + 0.0003 | .0908 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0283 + 0.0002 | .0765 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0158 + 0.0001 | .0448 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 690 | |
| JUL24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2001 + 0.0011 | .4056 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1551 + 0.0009 | .3319 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1127 + 0.0007 | .2562 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0878 + 0.0006 | .2080 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0367 + 0.0003 | .0960 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0306 + 0.0003 | .0810 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0174 + 0.0002 | .0482 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 691 | |
| AUG24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2079 + 0.0011 | .4143 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1618 + 0.0009 | .3402 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1182 + 0.0008 | .2639 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0923 + 0.0006 | .2149 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0387 + 0.0003 | .0997 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0323 + 0.0003 | .0843 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0186 + 0.0002 | .0507 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 691 | |
| SEP24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2103 + 0.0011 | .4162 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1641 + 0.0009 | .3425 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1202 + 0.0007 | .2663 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.0941 + 0.0006 | .2173 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0397 + 0.0003 | .1015 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0332 + 0.0003 | .0859 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0192 + 0.0001 | .0519 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 690 | |
| OCT24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2223 + 0.0011 | .4296 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1743 + 0.0010 | .3551 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1284 + 0.0008 | .2776 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1008 + 0.0006 | .2273 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0427 + 0.0004 | .1070 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0356 + 0.0002 | .0905 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0210 + 0.0002 | .0555 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 691 | |
| NOV24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2470 + 0.0011 | .4575 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.1939 + 0.0010 | .3800 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1426 + 0.0008 | .2981 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1131 + 0.0007 | .2460 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0500 + 0.0003 | .1198 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0418 + 0.0003 | .1016 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0251 + 0.0002 | .0634 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 690 | |
| DEC24 | | | | | | | | | | | | | |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.3121 + 0.0013 | .5232 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.2490 + 0.0011 | .4417 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.1867 + 0.0009 | .3537 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.1482 + 0.0008 | .2942 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.0658 + 0.0004 | .1461 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 4700 | ---- | ---- | ---- | ---- | ---- | 0.0551 + 0.0004 | .1244 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 0.0337 + 0.0002 | .0791 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 691 | |
| JAN25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3725 + 0.0014 | .5960 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0641 + 0.0004 | .1305 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| FEB25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3608 + 0.0014 | .5841 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0627 + 0.0003 | .1283 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| MAR25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3303 + 0.0013 | .5542 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0579 + 0.0003 | .1210 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| APR25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2275 + 0.0011 | .4438 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0375 + 0.0002 | .0884 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| MAY25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2215 + 0.0011 | .4358 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0370 + 0.0002 | .0874 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| JUN25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2326 + 0.0011 | .4480 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0395 + 0.0003 | .0916 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| JUL25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2446 + 0.0011 | .4609 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0421 + 0.0002 | .0959 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| AUG25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2546 + 0.0011 | .4712 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0445 + 0.0003 | .0998 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| SEP25 | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2567 + 0.0012 | .4726 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0454 + 0.0003 | .1012 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 135 | |
| OCT25 | | | | | | | | | | | | | |

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## FINAL



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| OCT25 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2704 + 0.0012 | .4866 | ---- | ---- | ---- | ---- | 75 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0485 + 0.0003 | .1060 | ---- | ---- | ---- | ---- | 60 UNCH |
| TOTAL | | | | | | | | | | | | 135 |
| NOV25 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2989 + 0.0013 | .5153 | ---- | ---- | ---- | ---- | 75 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0545 + 0.0003 | .1152 | ---- | ---- | ---- | ---- | 60 UNCH |
| TOTAL | | | | | | | | | | | | 135 |
| DEC25 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3681 + 0.0014 | .5810 | ---- | ---- | ---- | ---- | 75 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.0684 + 0.0004 | .1356 | ---- | ---- | ---- | ---- | 60 UNCH |
| TOTAL | | | | | | | | | | | | 135 |
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0110 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 2980 | ---- | ---- | ---- | ---- | ---- | 0.0410 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.0610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3010 | ---- | ---- | ---- | ---- | ---- | 0.0710 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.1110 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3070 | ---- | ---- | ---- | ---- | ---- | 0.1310 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3080 | ---- | ---- | ---- | ---- | ---- | 0.1410 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.1610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3140 | ---- | ---- | ---- | ---- | ---- | 0.2010 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.2110 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.2610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.3110 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3260 | ---- | ---- | ---- | ---- | ---- | 0.3210 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.4610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.5610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.8110 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.0610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 4150 | ---- | ---- | ---- | ---- | ---- | 1.2110 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 4400 | ---- | ---- | ---- | ---- | ---- | 1.4610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.5110 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 1.5610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 4600 | ---- | ---- | ---- | ---- | ---- | 1.6610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 4800 | ---- | ---- | ---- | ---- | ---- | 1.8610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 3.5610 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| AUG18 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 150 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 200 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 8631 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 3 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 901 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 986 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 1665 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 6711 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 1571 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0001 | ---- | ---- | ---- | ---- | 1833 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0001 - 0.0001 | .0005 | ---- | ---- | ---- | ---- | 2549 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.0001 - 0.0002 | .0014 | ---- | ---- | ---- | ---- | 712 UNCH |
| 2460 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0002 | .0026 | ---- | ---- | ---- | ---- | 131 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0003 | .0040 | ---- | ---- | ---- | ---- | 8026 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.0006 - 0.0004 | .0079 | ---- | ---- | 27 | ---- | 1423 + 13 |
| 2590 | ---- | ---- | ---- | ---- | ---- | 0.0011 - 0.0007 | .0140 | ---- | ---- | ---- | ---- | 247 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.0013 - 0.0007 | .0163 | ---- | ---- | 64 | ---- | 5189 UNCH |
| 2610 | 0.0000 | 0.0000 | 0.0000/*0.000 | 0.0000/*0.000 | ---- | 0.0015 - 0.0008 | .0186 | ---- | ---- | 202 | ---- | 545 + 52 |
| 2650 | 0.0000 | 0.0000 | 0.0000/*0.000 | 0.0000/*0.000 | ---- | 0.0026 - 0.0014 | .0310 | ---- | ---- | 622 | ---- | 6792 - 264 |
| 2700 | 0.0100 | 0.0100 | 0.0100/*0.010 | 0.0100/*0.010 | ---- | 0.0050 - 0.0028 | .0559 | ---- | ---- | 164 | ---- | 4698 - 40 |
| 2750 | 0.0100 | 0.0100 | 0.0100B/*0.01 | 0.0100B/*0.01 | ---- | 0.0091 - 0.0051 | .0947 | ---- | ---- | 1821 | 1200 | 16380 + 1062 |
| 2790 | 0.0200 | 0.0200 | 0.0200B/*0.01 | 0.0200B/*0.01 | ---- | 0.0142 - 0.0076 | .1382 | ---- | ---- | 21 | ---- | 226 UNCH |
| 2800 | 0.0200 | 0.0200 | 0.0200B/*0.01 | 0.0200B/*0.01 | ---- | 0.0157 - 0.0085 | .1505 | ---- | ---- | 540 | 650 | 10894 - 91 |
| 2840 | 0.0200 | 0.0200 | 0.0300B/*0.02 | 0.0300B/*0.02 | ---- | 0.0236 - 0.0117 | .2094 | ---- | ---- | 12 | ---- | 113 + 11 |
| 2850 | 0.0300 | 0.0300 | 0.0300B/*0.02 | 0.0300B/*0.02 | ---- | 0.0260 - 0.0126 | .2259 | ---- | ---- | 1129 | 150 | 6453 + 64 |
| 2870 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0313 - 0.0146 | .2609 | ---- | ---- | 1 | ---- | 114 + 1 |
| 2900 | 0.0400 | 0.0400 | 0.0500B/*0.04 | 0.0500B/*0.04 | ---- | 0.0406 - 0.0177 | .3177 | ---- | ---- | 1711 | 500 | 8639 - 494 |
| 2930 | 0.0500 | 0.0500 | 0.0600B/*0.05 | 0.0600B/*0.05 | ---- | 0.0518 - 0.0208 | .3787 | ---- | ---- | 5 | ---- | 390 - 1 |
| 2950 | 0.0600 | 0.0600 | 0.0700B/*0.06 | 0.0700B/*0.06 | ---- | 0.0602 - 0.0231 | .4209 | ---- | ---- | 164 | ---- | 1791 UNCH |
| 2980 | ---- | ---- | ----/*0.0700A | ----/*0.0700A | ---- | 0.0745 - 0.0264 | .4854 | ---- | ---- | ---- | ---- | 35 UNCH |
| 3000 | 0.0900 | 0.0900 | 0.1000B/*0.08 | 0.1000B/*0.08 | ---- | 0.0851 - 0.0285 | .5284 | ---- | ---- | 234 | 900 | 2380 + 805 |
| 3010 | ---- | ---- | ----/0.0800A | ----/0.0800A | ---- | 0.0907 - 0.0296 | .5498 | ---- | ---- | ---- | ---- | 32 UNCH |
| 3050 | ---- | ---- | ----/0.1100A | ----/0.1100A | ---- | 0.1151 - 0.0337 | .6325 | ---- | ---- | ---- | ---- | 179 UNCH |
| 3070 | ---- | ---- | ----/0.1200A | ----/0.1200A | ---- | 0.1285 - 0.0356 | .6716 | ---- | ---- | ---- | ---- | 25 UNCH |
| 3100 | ---- | ---- | ----/0.1400A | ----/0.1400A | ---- | 0.1499 - 0.0382 | .7263 | ---- | ---- | ---- | ---- | 43 UNCH |
| 3150 | ---- | ---- | ----/0.1800A | ----/0.1800A | ---- | 0.1890 - 0.0421 | .8047 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3200 | ---- | ---- | ----/0.2200A | ----/0.2200A | ---- | 0.2317 - 0.0447 | .8654 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3250 | ---- | ---- | ----/0.2600A | ----/0.2600A | ---- | 0.2767 - 0.0470 | .9104 | ---- | ---- | ---- | ---- | 425 UNCH |
| 3260 | 0.2800 | 0.2800 | #0.2800/*0.28 | #0.2800/*0.28 | ---- | 0.2860 NEW | .9174 | ---- | ---- | 1 | ---- | 1 + 1 |
| 3300 | ---- | ---- | ----/0.3100A | ----/0.3100A | ---- | 0.3236 - 0.0482 | .9409 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3350 | ---- | ---- | ----/0.3600A | ----/0.3600A | ---- | 0.3716 - 0.0490 | .9615 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3400 | ---- | ---- | ----/0.4100A | ----/0.4100A | ---- | 0.4205 - 0.0493 | .9742 | ---- | ---- | ---- | ---- | 52 UNCH |
| 3450 | ---- | ---- | ----/0.4600A | ----/0.4600A | ---- | 0.4697 - 0.0495 | .9826 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3500 | ---- | ---- | ----/0.5100A | ----/0.5100A | ---- | 0.5192 - 0.0496 | .9876 | ---- | ---- | ---- | ---- | 61 UNCH |
| 3550 | ---- | ---- | ----/0.5600A | ----/0.5600A | ---- | 0.5689 - 0.0496 | .9903 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3600 | ---- | ---- | ----/0.6100A | ----/0.6100A | ---- | 0.6187 - 0.0495 | .9928 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3750 | ---- | ---- | ----/0.7600A | ----/0.7600A | ---- | 0.7681 - 0.0497 | .9965 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4000 | ---- | ---- | ----/1.0100A | ----/1.0100A | ---- | 1.0176 - 0.0498 | .9995 | ---- | ---- | ---- | ---- | 255 UNCH |
| 4150 | ---- | ---- | ----/*1.1700A | ----/*1.1700A | ---- | 1.1673 - 0.0499 | .9999 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4400 | ---- | ---- | ----/*1.4200A | ----/*1.4200A | ---- | 1.4169 - 0.0499 | 1.0000 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4450 | ---- | ---- | ----/*1.4700A | ----/*1.4700A | ---- | 1.4669 - 0.0498 | 1.0000 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ----/*1.5200A | ----/*1.5200A | ---- | 1.5168 - 0.0498 | 1.0000 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4600 | ---- | ---- | ----/*1.6200A | ----/*1.6200A | ---- | 1.6166 - 0.0499 | 1.0000 | ---- | ---- | ---- | ---- | 90 UNCH |
| 4800 | ---- | ---- | ----/*1.8200A | ----/*1.8200A | ---- | 1.8163 - 0.0499 | 1.0000 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6500 | ---- | ---- | ----/*3.5200A | ----/*3.5200A | ---- | 3.5138 - 0.0497 | 1.0000 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 6718 | 3400 | 102009 + 1119 |
| SEP18 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 150 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 204 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 7 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 200 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 4544 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 844 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0002 | ---- | ---- | ---- | ---- | 878 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0005 | ---- | ---- | ---- | ---- | 349 UNCH |
| 2250 | 0.0000 | 0.0000 | 0.0000/0.0000 | 0.0000/0.0000 | ---- | 0.0001 - 0.0001 | .0011 | ---- | ---- | 13 | ---- | 5504 - 13 |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0003 - 0.0001 | .0032 | ---- | ---- | 57 | ---- | 1286 + 57 |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0005 - 0.0002 | .0053 | ---- | ---- | ---- | ---- | 2534 UNCH |
| 2400 | 0.0000 | 0.0000 | 0.0000/*0.000 | 0.0000/*0.000 | ---- | 0.0009 - 0.0004 | .0092 | ---- | ---- | 6 | ---- | 1605 - 6 |
| 2450 | 0.0000 | 0.0000 | 0.0000B/*0.00 | 0.0000B/*0.00 | ---- | 0.0016 - 0.0008 | .0158 | ---- | ---- | 2 | ---- | 542 UNCH |
| 2460 | ---- | ---- | ---- | ---- | ---- | 0.0018 - 0.0009 | .0176 | ---- | ---- | ---- | ---- | 102 UNCH |
| 2500 | 0.0000 | 0.0000 | 0.0000B/*0.00 | 0.0000B/*0.00 | ---- | 0.0029 - 0.0012 | .0270 | ---- | ---- | 85 | ---- | 6980 - 76 |
| 2550 | 0.0100 | 0.0100 | 0.0100/*0.010 | 0.0100/*0.010 | ---- | 0.0049 - 0.0020 | .0432 | ---- | ---- | 2 | ---- | 2154 UNCH |
| 2600 | 0.0100 | 0.0100 | 0.0100B/*0.01 | 0.0100B/*0.01 | ---- | 0.0080 - 0.0033 | .0665 | ---- | ---- | 311 | ---- | 4362 - 5 |
| 2610 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0088 - 0.0036 | .0722 | ---- | ---- | ---- | ---- | 253 UNCH |
| 2650 | 0.0100 | 0.0100 | 0.0200B/*0.01 | 0.0200B/*0.01 | ---- | 0.0129 - 0.0050 | .0997 | ---- | ---- | 17 | ---- | 1658 - 10 |
| 2700 | 0.0200 | 0.0200 | 0.0200B/*0.02 | 0.0200B/*0.02 | ---- | 0.0199 - 0.0073 | .1426 | ---- | ---- | 304 | ---- | 9423 - 49 |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 2750 | 0.0300 | 0.0300 | 0.0400B/*0.03 | 0.0400B/*0.03 | ---- | 0.0297 - 0.0100 | .1962 | ---- | ---- | 2466 | ---- | 9981 + 1971 |
| 2800 | 0.0500 | 0.0500 | 0.0500B/*0.04 | 0.0500B/*0.04 | ---- | 0.0428 - 0.0130 | .2592 | ---- | ---- | 385 | ---- | 3824 + 157 |
| 2830 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0523 - 0.0150 | .3005 | ---- | ---- | ---- | ---- | 112 UNCH |
| 2840 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0558 - 0.0157 | .3149 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2850 | 0.0600 | 0.0600 | 0.0700B/*0.06 | 0.0700B/*0.06 | ---- | 0.0594 - 0.0164 | .3293 | ---- | ---- | 426 | ---- | 4646 + 392 |
| 2900 | 0.0800 | 0.0800 | 0.0800/0.0800A | 0.0800/0.0800A | ---- | 0.0798 - 0.0198 | .4042 | ---- | ---- | 42 | ---- | 4051 + 15 |
| 2930 | ---- | ---- | ---- | ---- | ---- | 0.0939 NEW | .4502 | ---- | ---- | 8 | ---- | 8 + 8 |
| 2950 | 0.1000 | 0.1000 | 0.1200B/0.100 | 0.1200B/0.100 | ---- | 0.1041 - 0.0232 | .4808 | ---- | ---- | 182 | ---- | 2273 + 152 |
| 2980 | ---- | ---- | ----/0.1200A | ----/0.1200A | ---- | 0.1204 - 0.0252 | .5264 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3000 | ---- | ---- | ----/0.1300A | ----/0.1300A | ---- | 0.1320 - 0.0265 | .5563 | ---- | ---- | 1 | ---- | 1624 + 1 |
| 3010 | ---- | ---- | ----/0.1300A | ----/0.1300A | ---- | 0.1381 - 0.0272 | .5710 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3030 | ---- | ---- | ----/*0.1400A | ----/*0.1400A | ---- | 0.1506 - 0.0284 | .5998 | ---- | ---- | ---- | ---- | 175 UNCH |
| 3050 | ---- | ---- | ----/0.1600A | ----/0.1600A | ---- | 0.1637 - 0.0295 | .6279 | ---- | ---- | 4 | ---- | 83 + 2 |
| 3080 | ---- | ---- | ----/0.1800A | ----/0.1800A | ---- | 0.1842 - 0.0312 | .6683 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3100 | ---- | ---- | ----/0.1900A | ----/0.1900A | ---- | 0.1985 - 0.0324 | .6938 | ---- | ---- | ---- | ---- | 30 UNCH |
| 3250 | ---- | ---- | ----/0.3100A | ----/0.3100A | ---- | 0.3190 - 0.0385 | .8465 | ---- | ---- | ---- | ---- | 429 UNCH |
| 3300 | ---- | ---- | ----/0.3500A | ----/0.3500A | ---- | 0.3632 - 0.0398 | .8822 | ---- | ---- | ---- | ---- | 7 UNCH |
| 3350 | ---- | ---- | ----/0.4000A | ----/0.4000A | ---- | 0.4089 - 0.0408 | .9100 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3400 | ---- | ---- | ----/0.4400A | ----/0.4400A | ---- | 0.4556 - 0.0417 | .9322 | ---- | ---- | ---- | ---- | 51 UNCH |
| 3500 | ---- | ---- | ----/0.5400A | ----/0.5400A | ---- | 0.5515 - 0.0427 | .9617 | ---- | ---- | ---- | ---- | 56 UNCH |
| 3750 | ---- | ---- | ----/*0.8000A | ----/*0.8000A | ---- | 0.7975 - 0.0436 | .9895 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4000 | ---- | ---- | ----/*1.0500A | ----/*1.0500A | ---- | 1.0460 - 0.0437 | .9962 | ---- | ---- | ---- | ---- | 255 UNCH |
| 4150 | ---- | ---- | ----/*1.2000A | ----/*1.2000A | ---- | 1.1953 - 0.0438 | .9981 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4400 | ---- | ---- | ----/*1.4400A | ----/*1.4400A | ---- | 1.4444 - 0.0437 | .9996 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4450 | ---- | ---- | ----/*1.4900A | ----/*1.4900A | ---- | 1.4942 - 0.0438 | .9997 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ----/*1.5400A | ----/*1.5400A | ---- | 1.5440 - 0.0438 | .9998 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4600 | ---- | ---- | ----/*1.6400A | ----/*1.6400A | ---- | 1.6437 - 0.0438 | .9999 | ---- | ---- | ---- | ---- | 90 UNCH |
| 4800 | ---- | ---- | ----/*1.8400A | ----/*1.8400A | ---- | 1.8430 - 0.0438 | .9999 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6500 | ---- | ---- | ----/*3.5400A | ----/*3.5400A | ---- | 3.5375 - 0.0437 | 1.0000 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 4311 | | 71764 + 2596 |
| OCT18 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 150 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 800 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 600 UNCH |
| 1950 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0000 | ---- | ---- | ---- | ---- | 500 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0002 | ---- | ---- | ---- | ---- | 10838 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0004 | ---- | ---- | ---- | ---- | 536 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0001 - 0.0001 | .0009 | ---- | ---- | ---- | ---- | 825 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0002 | .0019 | ---- | ---- | ---- | ---- | 976 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0004 - 0.0002 | .0036 | ---- | ---- | ---- | ---- | 800 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0007 - 0.0003 | .0061 | ---- | ---- | ---- | ---- | 12545 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0012 - 0.0005 | .0100 | ---- | ---- | ---- | ---- | 805 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0020 - 0.0008 | .0160 | ---- | ---- | ---- | ---- | 3811 UNCH |
| 2400 | 0.0000 | 0.0000 | 0.0000/*0.000 | 0.0000/*0.000 | ---- | 0.0032 - 0.0013 | .0246 | ---- | ---- | 2 | ---- | 5603 - 2 |
| 2450 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0050 - 0.0019 | .0367 | ---- | ---- | 68 | ---- | 2821 + 8 |
| 2460 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0055 - 0.0021 | .0399 | ---- | ---- | ---- | ---- | 107 UNCH |
| 2500 | 0.0100 | 0.0100 | 0.0100B/*0.01 | 0.0100B/*0.01 | ---- | 0.0077 - 0.0028 | .0536 | ---- | ---- | 347 | 200 | 18761 - 14 |
| 2550 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0116 - 0.0040 | .0763 | ---- | ---- | 60 | ---- | 1579 + 60 |
| 2600 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0171 - 0.0055 | .1058 | ---- | ---- | 2 | ---- | 3862 UNCH |
| 2610 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0185 - 0.0058 | .1127 | ---- | ---- | 42 | ---- | 138 + 33 |
| 2650 | 0.0200 | 0.0200 | 0.0300B/*0.02 | 0.0300B/*0.02 | ---- | 0.0246 - 0.0072 | .1423 | ---- | ---- | 3 | ---- | 6073 + 1 |
| 2700 | 0.0300 | 0.0300 | 0.0400B/*0.03 | 0.0400B/*0.03 | ---- | 0.0342 - 0.0093 | .1852 | ---- | ---- | 204 | ---- | 6221 + 15 |
| 2750 | 0.0500 | 0.0500 | 0.0500B/*0.04 | 0.0500B/*0.04 | ---- | 0.0465 - 0.0116 | .2346 | ---- | ---- | 851 | 50 | 8498 - 93 |
| 2800 | 0.0700 | 0.0700 | 0.0700B/0.060 | 0.0700B/0.060 | ---- | 0.0616 - 0.0140 | .2894 | ---- | ---- | 398 | ---- | 7454 + 41 |
| 2840 | ---- | ---- | ----/*0.0700A | ----/*0.0700A | ---- | 0.0758 - 0.0161 | .3362 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2850 | 0.0800 | 0.0800 | 0.0800B/0.080 | 0.0800B/0.080 | ---- | 0.0797 - 0.0166 | .3483 | ---- | ---- | 270 | ---- | 6513 + 92 |
| 2900 | ---- | ---- | ----/0.1000A | ----/0.1000A | ---- | 0.1009 - 0.0192 | .4097 | ---- | ---- | 553 | ---- | 4047 - 97 |
| 2950 | 0.1200 | 0.1200 | 0.1400B/0.120 | 0.1400B/0.120 | ---- | 0.1253 - 0.0218 | .4722 | ---- | ---- | 228 | ---- | 2910 + 180 |
| 2980 | ---- | ---- | ----/0.1400A | ----/0.1400A | ---- | 0.1414 - 0.0234 | .5095 | ---- | ---- | ---- | ---- | 5 UNCH |
| 3000 | ---- | ---- | ----/0.1500A | ----/0.1500A | ---- | 0.1528 - 0.0244 | .5340 | ---- | ---- | 470 | 150 | 2426 + 195 |
| 3010 | ---- | ---- | ----/0.1500A | ----/0.1500A | ---- | 0.1586 - 0.0249 | .5462 | ---- | ---- | 42 | ---- | 38 + 33 |
| 3050 | 0.1800 | 0.1800 | 0.1900B/0.180 | 0.1900B/0.180 | ---- | 0.1832 - 0.0268 | .5936 | ---- | ---- | 25 | ---- | 80 + 25 |
| 3070 | ---- | ---- | ----/0.1900A | ----/0.1900A | ---- | 0.1962 - 0.0277 | .6166 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3080 | ---- | ---- | ----/0.2000A | ----/0.2000A | ---- | 0.2028 - 0.0282 | .6280 | ---- | ---- | ---- | ---- | 7 UNCH |
| 3100 | ---- | ---- | ----/0.2100A | ----/0.2100A | ---- | 0.2165 - 0.0290 | .6499 | ---- | ---- | ---- | ---- | 35 UNCH |
| 3130 | ---- | ---- | ----/0.2300A | ----/0.2300A | ---- | 0.2377 - 0.0301 | .6832 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3140 | ---- | ---- | ----/0.2400A | ----/0.2400A | ---- | 0.2449 - 0.0306 | .6919 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3150 | ---- | ---- | ----/0.2500A | ----/0.2500A | ---- | 0.2523 - 0.0310 | .7020 | ---- | ---- | ---- | ---- | 14 UNCH |
| 3200 | ---- | ---- | ----/0.2900A | ----/0.2900A | ---- | 0.2903 - 0.0329 | .7492 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3250 | ---- | ---- | ----/0.3300A | ----/0.3300A | ---- | 0.3304 - 0.0346 | .7915 | ---- | ---- | ---- | ---- | 425 UNCH |
| 3260 | ---- | ---- | ----/0.3300A | ----/0.3300A | ---- | 0.3386 - 0.0349 | .7992 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3300 | ---- | ---- | ----/0.3600A | ----/0.3600A | ---- | 0.3723 - 0.0360 | .8281 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3350 | ---- | ---- | ----/0.4000A | ----/0.4000A | ---- | 0.4159 - 0.0371 | .8593 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3400 | ---- | ---- | ----/0.4500A | ----/0.4500A | ---- | 0.4607 - 0.0380 | .8858 | ---- | ---- | ---- | ---- | 57 UNCH |
| 3450 | ---- | ---- | ----/0.4900A | ----/0.4900A | ---- | 0.5065 - 0.0389 | .9077 | ---- | ---- | ---- | ---- | 8 UNCH |
| 3500 | ---- | ---- | ----/0.5400A | ----/0.5400A | ---- | 0.5533 - 0.0395 | .9255 | ---- | ---- | ---- | ---- | 54 UNCH |
| 3550 | ---- | ---- | ----/0.5900A | ----/0.5900A | ---- | 0.6006 - 0.0400 | .9402 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3600 | ---- | ---- | ----/0.6500A | ----/0.6500A | ---- | 0.6486 - 0.0404 | .9518 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3750 | ---- | ---- | ----/*0.8000A | ----/*0.8000A | ---- | 0.7946 - 0.0410 | .9743 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4000 | ---- | ---- | ----/*1.0500A | ----/*1.0500A | ---- | 1.0413 - 0.0415 | .9898 | ---- | ---- | ---- | ---- | 255 UNCH |
| 4150 | ---- | ---- | ----/*1.1900A | ----/*1.1900A | ---- | 1.1901 - 0.0415 | .9937 | ---- | ---- | ---- | ---- | 100 UNCH |
| 4400 | ---- | ---- | ----/*1.4400A | ----/*1.4400A | ---- | 1.4384 - 0.0417 | .9975 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4450 | ---- | ---- | ----/*1.4900A | ----/*1.4900A | ---- | 1.4881 - 0.0416 | .9976 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ----/*1.5400A | ----/*1.5400A | ---- | 1.5379 - 0.0416 | .9976 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4600 | ---- | ---- | ----/*1.6400A | ----/*1.6400A | ---- | 1.6373 - 0.0417 | .9984 | ---- | ---- | ---- | ---- | 90 UNCH |
| 4800 | ---- | ---- | ----/*1.8400A | ----/*1.8400A | ---- | 1.8362 - 0.0417 | .9995 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6500 | ---- | ---- | ----/*3.5300A | ----/*3.5300A | ---- | 3.5281 - 0.0416 | 1.0000 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 3565 | 400 | 111773 + 477 |
| NOV18 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0002 - 0.0001 | .0015 | ---- | ---- | ---- | ---- | 3981 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.0004 - 0.0001 | .0029 | ---- | ---- | ---- | ---- | 21 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.0010 - 0.0003 | .0068 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2250 | ---- | ---- | ----/*0.0000A | ----/*0.0000A | ---- | 0.0023 - 0.0008 | .0148 | ---- | ---- | ---- | ---- | 5942 UNCH |
| 2300 | ---- | ---- | ----/*0.0000A | ----/*0.0000A | ---- | 0.0035 - 0.0011 | .0217 | ---- | ---- | ---- | ---- | 1211 UNCH |
| 2350 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0051 - 0.0015 | .0305 | ---- | ---- | ---- | ---- | 686 UNCH |
| 2400 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0074 - 0.0020 | .0424 | ---- | ---- | ---- | ---- | 107 UNCH |
| 2450 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0104 - 0.0028 | .0572 | ---- | ---- | 432 | ---- | 564 + 432 |
| 2460 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0111 - 0.0030 | .0606 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2500 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0145 - 0.0037 | .0762 | ---- | ---- | 18 | 500 | 11330 + 500 |
| 2550 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0198 - 0.0048 | .0993 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2600 | 0.0300 | 0.0300 | 0.0300B/*0.03 | 0.0300B/*0.03 | ---- | 0.0267 - 0.0061 | .1272 | ---- | ---- | 2 | ---- | 2232 + 2 |
| 2610 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0283 - 0.0063 | .1334 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2650 | 0.0300 | 0.0300 | 0.0400B/*0.03 | 0.0400B/*0.03 | ---- | 0.0353 - 0.0076 | .1596 | ---- | ---- | 732 | ---- | 1276 + 537 |
| 2700 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0459 - 0.0092 | .1965 | ---- | ---- | ---- | ---- | 1877 UNCH |
| 2720 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0508 - 0.0098 | .2125 | ---- | ---- | ---- | ---- | 55 UNCH |
| 2750 | ---- | ---- | ----/*0.0600A | ----/*0.0600A | ---- | 0.0587 - 0.0110 | .2375 | ---- | ---- | 110 | ---- | 5684 UNCH |
| 2800 | ---- | ---- | ----/0.0700A | ----/0.0700A | ---- | 0.0739 - 0.0128 | .2822 | ---- | ---- | ---- | ---- | 2733 UNCH |
| 2840 | ---- | ---- | ----/*0.0800A | ----/*0.0800A | ---- | 0.0878 - 0.0143 | .3200 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2850 | ---- | ---- | ----/0.0900A | ----/0.0900A | ---- | 0.0916 - 0.0146 | .3298 | ---- | ---- | ---- | ---- | 766 UNCH |
| 2900 | 0.1100 | 0.1100 | 0.1200B/0.110 | 0.1200B/0.110 | ---- | 0.1119 - 0.0165 | .3793 | ---- | ---- | 25 | ---- | 2637 UNCH |
| 2950 | ---- | ---- | ----/0.1300A | ----/0.1300A | ---- | 0.1349 - 0.0182 | .4301 | ---- | ---- | 1 | ---- | 672 - 1 |
| 3000 | ---- | ---- | ----/0.1500A | ----/0.1500A | ---- | 0.1604 - 0.0201 | .4810 | ---- | ---- | ---- | ---- | 2787 UNCH |
| 3010 | 0.1700 | 0.1700 | #0.1700B/*0.1 | #0.1700B/*0.1 | ---- | 0.1657 NEW | .4911 | ---- | ---- | 45 | ---- | 45 + 45 |
| 3030 | 0.1800 | 0.1800 | 0.1900B/0.170 | 0.1900B/0.170 | ---- | 0.1769 - 0.0212 | .5112 | ---- | ---- | 45 | ---- | 88 + 45 |
| 3050 | ---- | ---- | ----/0.1800A | ----/0.1800A | ---- | 0.1883 - 0.0220 | .5312 | ---- | ---- | ---- | ---- | 276 UNCH |
| 3080 | 0.2100 | 0.2100 | #0.2200B/*0.2 | #0.2200B/*0.2 | ---- | 0.2062 NEW | .5606 | ---- | ---- | 40 | ---- | 40 + 40 |
| 3100 | ---- | ---- | ----/0.2100A | ----/0.2100A | ---- | 0.2187 - 0.0237 | .5798 | ---- | ---- | ---- | ---- | 74 UNCH |
| 3250 | ---- | ---- | ----/0.3200A | ----/0.3200A | ---- | 0.3228 - 0.0285 | .7111 | ---- | ---- | ---- | ---- | 375 UNCH |
| 3400 | ---- | ---- | ----/0.4400A | ----/0.4400A | ---- | 0.4430 - 0.0324 | .8136 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3500 | ---- | ---- | ----/0.5300A | ----/0.5300A | ---- | 0.5299 - 0.0342 | .8648 | ---- | ---- | ---- | ---- | 41 UNCH |
| 3750 | ---- | ---- | ----/*0.7700A | ----/*0.7700A | ---- | 0.7621 - 0.0370 | .9411 | ---- | ---- | ---- | ---- | 80 UNCH |
| 4000 | ---- | ---- | ----/*1.0100A | ----/*1.0100A | ---- | 1.0047 - 0.0380 | .9733 | ---- | ---- | ---- | ---- | 255 UNCH |
| 4400 | ---- | ---- | ----/*1.4000A | ----/*1.4000A | ---- | 1.3993 - 0.0384 | .9905 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4450 | ---- | ---- | ----/*1.4500A | ----/*1.4500A | ---- | 1.4488 - 0.0384 | .9912 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ----/*1.5000A | ----/*1.5000A | ---- | 1.4983 - 0.0385 | .9924 | ---- | ---- | ---- | ---- | 50 UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | |
| 4600 | ---- | ---- | ----/*1.6000A | ----/*1.6000A | ---- | 1.5975 - 0.0384 | .9937 | ---- | ---- | ---- | ---- | 90 UNCH |
| 4800 | ---- | ---- | ----/*1.8000A | ----/*1.8000A | ---- | 1.7959 - 0.0384 | .9956 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6500 | ---- | ---- | ----/3.4800A | ----/3.4800A | ---- | 3.4841 - 0.0386 | .9999 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 1450 | 500 | 46447 + 1600 |
| DEC18 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0011 - 0.0004 | .0057 | ---- | ---- | ---- | 300 | 3955 + 285 |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.0016 - 0.0005 | .0080 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2250 | ---- | ---- | ----/0.0100A | ----/0.0100A | ---- | 0.0056 - 0.0015 | .0256 | ---- | ---- | ---- | ---- | 41666 UNCH |
| 2300 | ---- | ---- | ----/0.0100A | ----/0.0100A | ---- | 0.0075 - 0.0019 | .0333 | ---- | ---- | ---- | 250 | 1092 + 250 |
| 2350 | ---- | ---- | ----/0.0100A | ----/0.0100A | ---- | 0.0100 - 0.0023 | .0431 | ---- | ---- | ---- | ---- | 465 UNCH |
| 2400 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0130 - 0.0030 | .0544 | ---- | ---- | ---- | ---- | 557 UNCH |
| 2450 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0169 - 0.0036 | .0683 | ---- | ---- | ---- | ---- | 130 UNCH |
| 2460 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0178 - 0.0038 | .0715 | ---- | ---- | ---- | ---- | 101 UNCH |
| 2500 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0217 - 0.0044 | .0847 | ---- | ---- | 20 | 500 | 26184 + 20 |
| 2550 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0274 - 0.0054 | .1035 | ---- | ---- | ---- | ---- | 104 UNCH |
| 2600 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0344 - 0.0064 | .1252 | ---- | ---- | ---- | ---- | 2446 UNCH |
| 2610 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0359 - 0.0067 | .1298 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2650 | ---- | ---- | ----/*0.0400A | ----/*0.0400A | ---- | 0.0427 - 0.0076 | .1497 | ---- | ---- | ---- | 500 | 1334 + 500 |
| 2700 | ---- | ---- | ----/0.0500A | ----/0.0500A | ---- | 0.0527 - 0.0087 | .1773 | ---- | ---- | ---- | ---- | 1343 UNCH |
| 2720 | ---- | ---- | ----/0.0600A | ----/0.0600A | ---- | 0.0572 - 0.0092 | .1892 | ---- | ---- | ---- | ---- | 55 UNCH |
| 2750 | ---- | ---- | ----/0.0600A | ----/0.0600A | ---- | 0.0645 - 0.0098 | .2078 | ---- | ---- | ---- | 150 | 1963 UNCH |
| 2800 | ---- | ---- | ----/0.0800A | ----/0.0800A | ---- | 0.0781 - 0.0110 | .2407 | ---- | ---- | ---- | ---- | 2156 UNCH |
| 2840 | ---- | ---- | ----/*0.0900A | ----/*0.0900A | ---- | 0.0904 - 0.0120 | .2686 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2850 | ---- | ---- | ----/0.0900A | ----/0.0900A | ---- | 0.0937 - 0.0123 | .2758 | ---- | ---- | ---- | ---- | 94 UNCH |
| 2900 | ---- | ---- | ----/0.1100A | ----/0.1100A | ---- | 0.1112 - 0.0136 | .3126 | ---- | ---- | ---- | ---- | 2075 UNCH |
| 2950 | ---- | ---- | ----/0.1300A | ----/0.1300A | ---- | 0.1309 - 0.0148 | .3509 | ---- | ---- | ---- | ---- | 57 UNCH |
| 3000 | 0.1600 | 0.1600 | 0.1600/0.1500A | 0.1600/0.1500A | ---- | 0.1525 - 0.0162 | .3900 | ---- | ---- | 1 | 250 | 3223 + 250 |
| 3050 | ---- | ---- | ----/0.1700A | ----/0.1700A | ---- | 0.1764 - 0.0174 | .4296 | ---- | ---- | 1 | ---- | 466 UNCH |
| 3100 | ---- | ---- | ----/0.2000A | ----/0.2000A | ---- | 0.2023 - 0.0185 | .4692 | ---- | ---- | ---- | ---- | 282 UNCH |
| 3150 | ---- | ---- | ----/0.2200A | ----/0.2200A | ---- | 0.2302 - 0.0196 | .5082 | ---- | ---- | ---- | ---- | 63 UNCH |
| 3200 | ---- | ---- | ----/0.2500A | ----/0.2500A | ---- | 0.2599 - 0.0208 | .5463 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3250 | ---- | ---- | ----/0.2800A | ----/0.2800A | ---- | 0.2915 - 0.0219 | .5832 | ---- | ---- | ---- | ---- | 375 UNCH |
| 3400 | ---- | ---- | ----/0.3900A | ----/0.3900A | ---- | 0.3963 - 0.0248 | .6840 | ---- | ---- | ---- | ---- | 51 UNCH |
| 3500 | ---- | ---- | ----/0.4700A | ----/0.4700A | ---- | 0.4732 - 0.0267 | .7418 | ---- | ---- | ---- | ---- | 41 UNCH |
| 3750 | ---- | ---- | ----/*0.6900A | ----/*0.6900A | ---- | 0.6846 - 0.0301 | .8508 | ---- | ---- | ---- | ---- | 80 UNCH |
| 4000 | ---- | ---- | ----/*0.9200A | ----/*0.9200A | ---- | 0.9138 - 0.0319 | .9167 | ---- | ---- | ---- | ---- | 255 UNCH |
| 4400 | ---- | ---- | ----/*1.3000A | ----/*1.3000A | ---- | 1.2981 - 0.0331 | .9666 | ---- | ---- | ---- | ---- | 15 UNCH |
| 4450 | ---- | ---- | ----/*1.3500A | ----/*1.3500A | ---- | 1.3469 - 0.0331 | .9701 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4500 | ---- | ---- | ----/*1.4000A | ----/*1.4000A | ---- | 1.3959 - 0.0331 | .9728 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4600 | ---- | ---- | ----/*1.5000A | ----/*1.5000A | ---- | 1.4939 - 0.0333 | .9778 | ---- | ---- | ---- | ---- | 90 UNCH |
| 4800 | ---- | ---- | ----/*1.6900A | ----/*1.6900A | ---- | 1.6907 - 0.0335 | .9848 | ---- | ---- | ---- | ---- | 25 UNCH |
| 6000 | ---- | ---- | ----/2.8800A | ----/2.8800A | ---- | 2.8780 - 0.0336 | .9975 | ---- | ---- | ---- | ---- | 2500 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 3.3736 - 0.0336 | .9985 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 22 | 1950 | 93656 + 1305 |
| JAN19 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0032 - 0.0003 | .0122 | ---- | ---- | ---- | ---- | 3999 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0090 - 0.0010 | .0315 | ---- | ---- | ---- | ---- | 4200 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0114 - 0.0012 | .0389 | ---- | ---- | ---- | ---- | 2558 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0143 - 0.0014 | .0477 | ---- | ---- | ---- | ---- | 506 UNCH |
| 2350 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0177 - 0.0017 | .0576 | ---- | ---- | ---- | ---- | 70 UNCH |
| 2400 | ---- | ---- | ----/0.0200A | ----/0.0200A | ---- | 0.0217 - 0.0021 | .0690 | ---- | ---- | ---- | ---- | 34197 UNCH |
| 2450 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0266 - 0.0024 | .0824 | ---- | ---- | ---- | ---- | 137 UNCH |
| 2500 | ---- | ---- | ----/*0.0300A | ----/*0.0300A | ---- | 0.0322 - 0.0028 | .0972 | ---- | ---- | 109 | ---- | 16756 + 109 |
| 2550 | ---- | ---- | ----/0.0400A | ----/0.0400A | ---- | 0.0387 - 0.0033 | .1138 | ---- | ---- | ---- | ---- | 21 UNCH |
| 2600 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0463 - 0.0040 | .1324 | ---- | ---- | ---- | 150 | 3039 UNCH |
| 2650 | ---- | ---- | ----/0.0600A | ----/0.0600A | ---- | 0.0553 - 0.0048 | .1532 | ---- | ---- | ---- | ---- | 36 UNCH |
| 2700 | 0.0700 | 0.0700 | 0.0700/0.0700A | 0.0700/0.0700A | ---- | 0.0660 - 0.0058 | .1764 | ---- | ---- | 5 | ---- | 65 + 5 |
| 2720 | ---- | ---- | ----/0.0700A | ----/0.0700A | ---- | 0.0708 - 0.0061 | .1863 | ---- | ---- | ---- | ---- | 55 UNCH |
| 2750 | 0.0800 | 0.0800 | 0.0800B/0.0800 | 0.0800B/0.0800 | ---- | 0.0783 - 0.0068 | .2015 | ---- | ---- | 10 | ---- | 4356 UNCH |
| 2800 | ---- | ---- | ----/0.0900A | ----/0.0900A | ---- | 0.0922 - 0.0078 | .2282 | ---- | ---- | ---- | ---- | 761 UNCH |
| 2810 | ---- | ---- | ----/0.0900A | ----/0.0900A | ---- | 0.0951 - 0.0081 | .2337 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2850 | ---- | ---- | ----/0.1100A | ----/0.1100A | ---- | 0.1075 - 0.0091 | .2562 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2870 | ---- | ---- | ----/0.1100A | ----/0.1100A | ---- | 0.1142 - 0.0096 | .2678 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ----/0.1200A | ----/0.1200A | ---- | 0.1247 - 0.0105 | .2856 | ---- | ---- | ---- | ---- | 480 UNCH |
| 2950 | ---- | ---- | ----/0.1400A | ----/0.1400A | ---- | 0.1440 - 0.0117 | .3160 | ---- | ---- | ---- | 100 | 725 + 100 |
| 3000 | ---- | ---- | ----/0.1600A | ----/0.1600A | ---- | 0.1652 - 0.0127 | .3471 | ---- | ---- | ---- | 100 | 5041 - 100 |
| 3050 | ---- | ---- | ----/0.1800A | ----/0.1800A | ---- | 0.1880 - 0.0138 | .3785 | ---- | ---- | ---- | ---- | 953 UNCH |
| 3100 | ---- | ---- | ----/0.2100A | ----/0.2100A | ---- | 0.2126 - 0.0148 | .4100 | ---- | ---- | ---- | ---- | 359 UNCH |
| 3150 | ---- | ---- | ----/0.2300A | ----/0.2300A | ---- | 0.2389 - 0.0158 | .4413 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3250 | 0.3000 | 0.3000 | 0.3000B/0.2900 | 0.3000B/0.2900 | ---- | 0.2961 - 0.0175 | .5024 | ---- | ---- | 5 | ---- | 155 + 5 |
| 3500 | ---- | ---- | ----/*0.4600A | ----/*0.4600A | ---- | 0.4637 - 0.0211 | .6386 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.6590 - 0.0235 | .7452 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.8729 - 0.0257 | .8233 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.4758 - 0.0290 | .9320 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.5718 - 0.0292 | .9411 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 1.9598 - 0.0298 | .9658 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.7823 - 0.0303 | .9955 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 129 | 350 | 79108 + 119 |
| FEB19 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0079 - 0.0005 | .0246 | ---- | ---- | ---- | ---- | 475 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0197 - 0.0012 | .0550 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2250 | 0.0300 | 0.0300 | 0.0300/0.0300 | 0.0300/0.0300 | ---- | 0.0242 - 0.0015 | .0657 | ---- | ---- | 1 | ---- | 2070 + 1 |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0359 - 0.0022 | .0916 | ---- | ---- | ---- | ---- | 70 UNCH |
| 2400 | ---- | ---- | ----/0.0400A | ----/0.0400A | ---- | 0.0433 - 0.0025 | .1069 | ---- | ---- | ---- | ---- | 657 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.0516 - 0.0030 | .1234 | ---- | ---- | ---- | ---- | 127 UNCH |
| 2500 | ---- | ---- | ----/0.0600A | ----/0.0600A | ---- | 0.0611 - 0.0034 | .1414 | ---- | ---- | ---- | ---- | 3681 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.0717 - 0.0040 | .1606 | ---- | ---- | ---- | ---- | 19 UNCH |
| 2600 | ---- | ---- | ----/0.0800A | ----/0.0800A | ---- | 0.0838 - 0.0046 | .1813 | ---- | ---- | ---- | 150 | 6107 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.0975 - 0.0053 | .2034 | ---- | ---- | ---- | ---- | 32 UNCH |
| 2700 | ---- | ---- | ----/*0.1100A | ----/*0.1100A | ---- | 0.1129 - 0.0060 | .2267 | ---- | ---- | ---- | ---- | 60 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.1194 - 0.0064 | .2362 | ---- | ---- | ---- | ---- | 55 UNCH |
| 2750 | ---- | ---- | ----/*0.1300A | ----/*0.1300A | ---- | 0.1298 - 0.0067 | .2508 | ---- | ---- | ---- | ---- | 2028 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1482 - 0.0076 | .2755 | ---- | ---- | ---- | ---- | 361 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1521 - 0.0077 | .2806 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.1684 - 0.0084 | .3009 | ---- | ---- | ---- | ---- | 250 UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.1769 - 0.0088 | .3111 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ----/*0.1900A | ----/*0.1900A | ---- | 0.1903 - 0.0092 | .3266 | ---- | ---- | ---- | ---- | 310 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.2136 - 0.0100 | .3524 | ---- | ---- | ---- | ---- | 305 UNCH |
| 3000 | ---- | ---- | ----/*0.2400A | ----/*0.2400A | ---- | 0.2385 - 0.0108 | .3781 | ---- | ---- | ---- | ---- | 1684 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.2649 - 0.0116 | .4036 | ---- | ---- | ---- | ---- | 268 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.3219 - 0.0132 | .4535 | ---- | ---- | ---- | ---- | 302 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.3842 - 0.0147 | .5008 | ---- | ---- | ---- | ---- | 175 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.5588 - 0.0179 | .6050 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.7542 - 0.0202 | .6887 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.9637 - 0.0220 | .7545 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.5478 - 0.0251 | .8663 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.6410 - 0.0254 | .8779 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.0193 - 0.0262 | .9140 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.8180 - 0.0280 | .9808 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 1 | 150 | 19633 + 1 |
| MAR19 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0010 - 0.0001 | .0035 | ---- | ---- | ---- | ---- | 2500 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.0044 - 0.0004 | .0138 | ---- | ---- | 100 | 500 | 26880 + 600 |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0149 - 0.0011 | .0413 | ---- | ---- | 100 | 500 | 30806 + 600 |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.0185 - 0.0013 | .0499 | ---- | ---- | ---- | ---- | 27 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0227 - 0.0017 | .0596 | ---- | ---- | ---- | ---- | 1020 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.0278 - 0.0021 | .0708 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0338 - 0.0025 | .0835 | ---- | ---- | ---- | ---- | 312 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0409 - 0.0029 | .0977 | ---- | ---- | ---- | ---- | 10363 UNCH |
| 2300 | ---- | ---- | ----/0.0500A | ----/0.0500A | ---- | 0.0490 - 0.0033 | .1132 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0581 - 0.0039 | .1299 | ---- | ---- | ---- | ---- | 120 UNCH |
| 2400 | ---- | ---- | ----/0.0700A | ----/0.0700A | ---- | 0.0685 - 0.0044 | .1480 | ---- | ---- | ---- | ---- | 17179 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.0801 - 0.0050 | .1673 | ---- | ---- | ---- | ---- | 130 UNCH |

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# ENERGY OPTIONS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | |
| 2500 | ---- | ---- | ----/0.1000A | ----/0.1000A | ---- | 0.0934 - 0.0057 | .1880 | ---- | ---- | ---- | ---- | 20727 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1086 - 0.0061 | .2101 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2600 | ---- | ---- | ----/*0.1300A | ----/*0.1300A | ---- | 0.1254 - 0.0064 | .2329 | ---- | ---- | ---- | 150 | 4526 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1436 - 0.0069 | .2563 | ---- | ---- | ---- | ---- | 32 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1632 - 0.0075 | .2802 | ---- | ---- | ---- | ---- | 310 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.1714 - 0.0079 | .2898 | ---- | ---- | ---- | ---- | 55 UNCH |
| 2750 | ---- | ---- | ----/0.1900A | ----/0.1900A | ---- | 0.1843 - 0.0084 | .3043 | ---- | ---- | ---- | ---- | 1765 UNCH |
| 2800 | ---- | ---- | ----/*0.2100A | ----/*0.2100A | ---- | 0.2069 - 0.0092 | .3286 | ---- | ---- | ---- | ---- | 361 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2116 - 0.0093 | .3335 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2310 - 0.0100 | .3529 | ---- | ---- | ---- | ---- | 251 UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.2411 - 0.0103 | .3627 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.2567 - 0.0107 | .3772 | ---- | ---- | ---- | ---- | 614 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.2838 - 0.0114 | .4011 | ---- | ---- | ---- | ---- | 673 UNCH |
| 3000 | ---- | ---- | ----/0.3100A | ----/0.3100A | ---- | 0.3122 - 0.0121 | .4247 | ---- | ---- | ---- | 100 | 5773 + 100 |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.3418 - 0.0128 | .4478 | ---- | ---- | ---- | ---- | 152 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.4043 - 0.0142 | .4920 | ---- | ---- | ---- | ---- | 375 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.4712 - 0.0154 | .5335 | ---- | ---- | ---- | ---- | 75 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.6542 - 0.0182 | .6241 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.8131 - 0.0198 | .6838 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.8542 - 0.0202 | .6971 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.0660 - 0.0217 | .7553 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.6513 - 0.0245 | .8568 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.7442 - 0.0248 | .8679 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.1205 - 0.0258 | .9038 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.9126 - 0.0275 | .9733 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 200 | 1250 | 125821 + 1300 |
| APR19 | | | | | | | | | | | | |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.0044 - 0.0001 | .0187 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.0081 - 0.0002 | .0324 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1950 | ---- | ---- | ---- | ---- | ---- | 0.0137 - 0.0005 | .0518 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2000 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0175 - 0.0005 | .0643 | ---- | ---- | 15 | ---- | 2794 + 15 |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0271 - 0.0008 | .0947 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0398 - 0.0012 | .1329 | ---- | ---- | ---- | ---- | 80 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0477 - 0.0016 | .1556 | ---- | ---- | ---- | ---- | 3428 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0571 - 0.0020 | .1812 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0681 - 0.0024 | .2097 | ---- | ---- | ---- | ---- | 80 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0807 - 0.0030 | .2407 | ---- | ---- | ---- | ---- | 207 UNCH |
| 2500 | ---- | ---- | ----/*0.1100A | ----/*0.1100A | ---- | 0.1114 - 0.0043 | .3100 | ---- | ---- | ---- | ---- | 3460 UNCH |
| 2550 | ---- | ---- | ----/*0.1300A | ----/*0.1300A | ---- | 0.1297 - 0.0050 | .3477 | ---- | ---- | ---- | ---- | 204 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1501 - 0.0057 | .3869 | ---- | ---- | ---- | 150 | 1982 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1725 - 0.0066 | .4272 | ---- | ---- | ---- | ---- | 1385 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1971 - 0.0076 | .4680 | ---- | ---- | ---- | ---- | 988 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2239 - 0.0084 | .5086 | ---- | ---- | ---- | ---- | 2011 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2527 - 0.0093 | .5486 | ---- | ---- | ---- | ---- | 486 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2588 - 0.0094 | .5576 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2836 - 0.0101 | .5874 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.2964 - 0.0106 | .6051 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3163 - 0.0110 | .6248 | ---- | ---- | ---- | ---- | 45 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3508 - 0.0118 | .6603 | ---- | ---- | ---- | ---- | 125 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3869 - 0.0127 | .6939 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.7201 - 0.0174 | .8828 | ---- | ---- | ---- | ---- | 100 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.8116 - 0.0182 | .9098 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.0477 - 0.0193 | .9524 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.2895 - 0.0200 | .9731 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.9263 - 0.0204 | .9889 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 2.0245 - 0.0204 | .9900 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4176 - 0.0204 | .9932 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.2374 - 0.0203 | .9982 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 15 | 150 | 18344 + 15 |
| MAY19 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0006 UNCH | .0031 | ---- | ---- | ---- | ---- | 500 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0166 - 0.0004 | .0652 | ---- | ---- | ---- | ---- | 475 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0263 - 0.0007 | .0978 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0399 - 0.0012 | .1402 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0487 - 0.0015 | .1659 | ---- | ---- | ---- | ---- | 5390 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0589 - 0.0019 | .1943 | ---- | ---- | ---- | ---- | 1055 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0708 - 0.0024 | .2257 | ---- | ---- | ---- | ---- | 80 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0846 - 0.0029 | .2599 | ---- | ---- | ---- | ---- | 207 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1180 - 0.0041 | .3352 | ---- | ---- | ---- | ---- | 3375 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1377 - 0.0048 | .3756 | ---- | ---- | ---- | ---- | 104 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1595 - 0.0056 | .4173 | ---- | ---- | ---- | 150 | 1894 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1835 - 0.0064 | .4598 | ---- | ---- | ---- | ---- | 130 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2096 - 0.0073 | .5023 | ---- | ---- | ---- | ---- | 685 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2380 - 0.0082 | .5441 | ---- | ---- | ---- | ---- | 411 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2684 - 0.0091 | .5848 | ---- | ---- | ---- | ---- | 916 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2748 - 0.0092 | .5952 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3009 - 0.0099 | .6240 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.3143 - 0.0103 | .6436 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3352 - 0.0108 | .6612 | ---- | ---- | ---- | ---- | 45 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3714 - 0.0116 | .6960 | ---- | ---- | ---- | ---- | 125 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4091 - 0.0124 | .7285 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.8436 - 0.0176 | .9267 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.0817 - 0.0187 | .9618 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.3241 - 0.0192 | .9779 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.9605 - 0.0194 | .9902 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 2.0586 - 0.0195 | .9908 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4510 - 0.0194 | .9936 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.2673 - 0.0193 | .9982 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | 150 | 16279 |
| JUN19 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0008 UNCH | .0039 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0184 - 0.0008 | .0673 | ---- | ---- | ---- | ---- | 400 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0284 - 0.0013 | .0987 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.0348 - 0.0015 | .1177 | ---- | ---- | ---- | ---- | 270 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0423 - 0.0018 | .1392 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0510 - 0.0022 | .1632 | ---- | ---- | ---- | ---- | 1510 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0725 - 0.0031 | .2186 | ---- | ---- | ---- | ---- | 80 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0856 - 0.0036 | .2500 | ---- | ---- | ---- | ---- | 207 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1172 - 0.0049 | .3197 | ---- | ---- | ---- | ---- | 2835 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1359 - 0.0055 | .3574 | ---- | ---- | ---- | ---- | 204 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1566 - 0.0061 | .3965 | ---- | ---- | ---- | 150 | 1644 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1794 - 0.0068 | .4367 | ---- | ---- | ---- | ---- | 333 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2043 - 0.0075 | .4774 | ---- | ---- | ---- | ---- | 682 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2313 - 0.0083 | .5177 | ---- | ---- | ---- | ---- | 411 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2604 - 0.0091 | .5572 | ---- | ---- | ---- | ---- | 111 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2664 - 0.0093 | .5668 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2914 - 0.0099 | .5956 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.3043 - 0.0103 | .6141 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3243 - 0.0108 | .6324 | ---- | ---- | ---- | ---- | 45 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3591 - 0.0116 | .6672 | ---- | ---- | ---- | ---- | 125 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3955 - 0.0124 | .7000 | ---- | ---- | ---- | ---- | 150 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.8198 - 0.0174 | .9109 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.0551 - 0.0185 | .9526 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.2959 - 0.0191 | .9728 | ---- | ---- | ---- | ---- | 243 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.9302 - 0.0193 | .9881 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 2.0280 - 0.0194 | .9892 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4195 - 0.0194 | .9920 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.2314 - 0.0194 | .9978 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | 150 | 10757 |
| JUL19 | | | | | | | | | | | | |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.0108 - 0.0008 | .0410 | ---- | ---- | ---- | ---- | 300 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0175 - 0.0011 | .0631 | ---- | ---- | ---- | ---- | 400 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0269 - 0.0017 | .0922 | ---- | ---- | ---- | ---- | 25 UNCH |

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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| JUL19 | | | | | | | | | | | | | |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0399 - 0.0025 | .1299 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0481 - 0.0029 | .1524 | ---- | ---- | ---- | ---- | 1520 | UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0682 - 0.0039 | .2042 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0805 - 0.0044 | .2339 | ---- | ---- | ---- | ---- | 207 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1101 - 0.0057 | .2999 | ---- | ---- | ---- | ---- | 2910 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1276 - 0.0065 | .3359 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1471 - 0.0071 | .3735 | ---- | ---- | ---- | 150 | 1544 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1686 - 0.0078 | .4124 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1921 - 0.0086 | .4521 | ---- | ---- | ---- | ---- | 762 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2178 - 0.0093 | .4920 | ---- | ---- | ---- | ---- | 411 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2454 - 0.0101 | .5314 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2512 - 0.0102 | .5403 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2751 - 0.0109 | .5698 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.2876 - 0.0111 | .5876 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3067 - 0.0116 | .6070 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3401 - 0.0124 | .6425 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3754 - 0.0130 | .6761 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.7912 - 0.0177 | .8994 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.0245 - 0.0186 | .9458 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.2640 - 0.0191 | .9689 | ---- | ---- | ---- | ---- | 243 | UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.8964 - 0.0193 | .9872 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.9940 - 0.0194 | .9883 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.3847 - 0.0194 | .9912 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.1931 - 0.0194 | .9975 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | 150 | 9311 | |
| AUG19 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0191 - 0.0010 | .0661 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0290 - 0.0015 | .0955 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0425 - 0.0021 | .1330 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0508 - 0.0026 | .1549 | ---- | ---- | ---- | ---- | 1510 | UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0713 - 0.0035 | .2058 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0836 - 0.0041 | .2345 | ---- | ---- | ---- | ---- | 207 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1133 - 0.0052 | .2986 | ---- | ---- | ---- | ---- | 2878 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1308 - 0.0059 | .3335 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1502 - 0.0065 | .3699 | ---- | ---- | ---- | 150 | 1544 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1715 - 0.0072 | .4075 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1948 - 0.0079 | .4460 | ---- | ---- | ---- | 100 | 762 + | 80 |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2201 - 0.0086 | .4847 | ---- | ---- | ---- | ---- | 411 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2474 - 0.0093 | .5230 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2531 - 0.0095 | .5317 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2766 - 0.0101 | .5605 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.2889 - 0.0103 | .5778 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3078 - 0.0108 | .5967 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3406 - 0.0116 | .6317 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3753 - 0.0123 | .6647 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.7861 - 0.0171 | .8897 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.0174 - 0.0183 | .9392 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.2556 - 0.0188 | .9647 | ---- | ---- | ---- | ---- | 243 | UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.8857 - 0.0193 | .9860 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.9832 - 0.0193 | .9868 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.3731 - 0.0192 | .9901 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.1774 - 0.0194 | .9968 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | 250 | 8969 + | 80 |
| SEP19 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0227 - 0.0008 | .0746 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0337 - 0.0012 | .1056 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0485 - 0.0017 | .1445 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0576 - 0.0020 | .1672 | ---- | ---- | ---- | ---- | 1640 | UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0796 - 0.0029 | .2189 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0928 - 0.0034 | .2480 | ---- | ---- | ---- | ---- | 207 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1241 - 0.0046 | .3118 | ---- | ---- | ---- | ---- | 2703 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1424 - 0.0053 | .3463 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1626 - 0.0058 | .3821 | ---- | ---- | ---- | 150 | 1819 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1846 - 0.0064 | .4189 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2086 - 0.0070 | .4564 | ---- | ---- | ---- | ---- | 682 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2345 - 0.0076 | .4938 | ---- | ---- | ---- | ---- | 411 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2622 - 0.0084 | .5307 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2681 - 0.0086 | .5395 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2920 - 0.0091 | .5667 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.3044 - 0.0094 | .5840 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3234 - 0.0099 | .6016 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3565 - 0.0107 | .6351 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3913 - 0.0115 | .6669 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.8011 - 0.0163 | .8850 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.0311 - 0.0179 | .9351 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.2682 - 0.0185 | .9620 | ---- | ---- | ---- | ---- | 243 | UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.8963 - 0.0191 | .9853 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.9935 - 0.0192 | .9864 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.3825 - 0.0191 | .9894 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.1827 - 0.0193 | .9964 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | 150 | 9119 | |
| OCT19 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0222 - 0.0013 | .0721 | ---- | ---- | ---- | ---- | 475 | UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.0329 - 0.0019 | .1020 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.0472 - 0.0026 | .1394 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0560 - 0.0030 | .1612 | ---- | ---- | ---- | ---- | 11390 | UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0773 - 0.0039 | .2111 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0900 - 0.0044 | .2390 | ---- | ---- | ---- | ---- | 207 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1202 - 0.0057 | .3009 | ---- | ---- | ---- | ---- | 3153 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1378 - 0.0064 | .3343 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1573 - 0.0070 | .3693 | ---- | ---- | ---- | 150 | 1544 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1786 - 0.0076 | .4053 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2017 - 0.0084 | .4421 | ---- | ---- | ---- | ---- | 857 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2269 - 0.0090 | .4792 | ---- | ---- | ---- | ---- | 2061 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2539 - 0.0097 | .5159 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2595 - 0.0098 | .5243 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2827 - 0.0106 | .5519 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.2948 - 0.0108 | .5688 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3134 - 0.0113 | .5868 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3457 - 0.0121 | .6205 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3797 - 0.0128 | .6527 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.7837 - 0.0177 | .8768 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.0121 - 0.0189 | .9300 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.2480 - 0.0196 | .9587 | ---- | ---- | ---- | ---- | 230 | UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.8741 - 0.0203 | .9845 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.9711 - 0.0202 | .9856 | ---- | ---- | ---- | ---- | 125 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.3593 - 0.0202 | .9890 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.1558 - 0.0201 | .9958 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | 150 | 20931 | |
| NOV19 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0181 - 0.0020 | .0602 | ---- | ---- | ---- | ---- | 225 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0488 - 0.0042 | .1416 | ---- | ---- | ---- | ---- | 420 | UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0687 - 0.0055 | .1880 | ---- | ---- | ---- | ---- | 70 | UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0807 - 0.0062 | .2142 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1092 - 0.0076 | .2720 | ---- | ---- | ---- | ---- | 1805 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1258 - 0.0083 | .3033 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1440 - 0.0091 | .3359 | ---- | ---- | ---- | 150 | 1544 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1639 - 0.0099 | .3697 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1856 - 0.0107 | .4045 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2090 - 0.0115 | .4399 | ---- | ---- | ---- | ---- | 366 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2340 - 0.0123 | .4755 | ---- | ---- | ---- | ---- | 111 | UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.2392 - 0.0125 | .4829 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2608 - 0.0130 | .5108 | ---- | ---- | ---- | ---- | 50 | UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| NOV19 | | | | | | | | | | | | |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.2720 - 0.0133 | .5261 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.2893 - 0.0136 | .5454 | ---- | ---- | ---- | ---- | 45 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.3194 - 0.0142 | .5793 | ---- | ---- | ---- | ---- | 125 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3509 - 0.0149 | .6122 | ---- | ---- | ---- | ---- | 170 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.7391 - 0.0190 | .8526 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.9632 - 0.0198 | .9140 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.1964 - 0.0200 | .9489 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.8184 - 0.0203 | .9839 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.9149 - 0.0203 | .9862 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.3016 - 0.0203 | .9915 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 4.0939 - 0.0201 | .9982 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | 150 | 5733 |
| DEC19 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0135 - 0.0012 | .0440 | ---- | ---- | ---- | ---- | 225 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0372 - 0.0027 | .1070 | ---- | ---- | ---- | ---- | 420 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.0524 - 0.0036 | .1435 | ---- | ---- | ---- | ---- | 70 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0618 - 0.0041 | .1646 | ---- | ---- | ---- | ---- | 200 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.0844 - 0.0053 | .2123 | ---- | ---- | ---- | ---- | 1705 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.0978 - 0.0061 | .2387 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1129 - 0.0068 | .2669 | ---- | ---- | ---- | 150 | 1544 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1297 - 0.0074 | .2965 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1481 - 0.0082 | .3272 | ---- | ---- | ---- | ---- | 9 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1684 - 0.0089 | .3590 | ---- | ---- | ---- | ---- | 416 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1903 - 0.0097 | .3914 | ---- | ---- | ---- | ---- | 111 UNCH |
| 2810 | ---- | ---- | ---- | ---- | ---- | 0.1949 - 0.0098 | .3979 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2139 - 0.0105 | .4242 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2870 | ---- | ---- | ---- | ---- | ---- | 0.2239 - 0.0107 | .4374 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.2393 - 0.0111 | .4573 | ---- | ---- | ---- | ---- | 45 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.2662 - 0.0119 | .4898 | ---- | ---- | ---- | ---- | 125 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2947 - 0.0124 | .5217 | ---- | ---- | ---- | ---- | 310 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.6518 - 0.0173 | .7763 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.8642 - 0.0186 | .8542 | ---- | ---- | ---- | ---- | 25 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.0889 - 0.0193 | .9055 | ---- | ---- | ---- | ---- | 230 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 1.6996 - 0.0199 | .9675 | ---- | ---- | ---- | ---- | 55 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 1.7951 - 0.0200 | .9720 | ---- | ---- | ---- | ---- | 125 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.1790 - 0.0202 | .9843 | ---- | ---- | ---- | ---- | 50 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 3.9658 - 0.0201 | .9978 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | 150 | 5823 |
| JAN20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0107 - 0.0017 | .0345 | ---- | ---- | ---- | ---- | 150 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0340 - 0.0039 | .0923 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0597 - 0.0058 | .1457 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.0831 - 0.0073 | .1887 | ---- | ---- | ---- | ---- | 873 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.0970 - 0.0080 | .2123 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1123 - 0.0088 | .2369 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1292 - 0.0094 | .2625 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.1514 - 0.0103 | .2942 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.1553 - 0.0105 | .2995 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.1593 - 0.0106 | .3049 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.1674 - 0.0109 | .3158 | ---- | ---- | ---- | ---- | 432 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.1888 - 0.0117 | .3431 | ---- | ---- | ---- | ---- | 135 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.2071 - 0.0122 | .3653 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2118 - 0.0123 | .3708 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.2363 - 0.0130 | .3985 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.2898 - 0.0142 | .4535 | ---- | ---- | ---- | ---- | 121 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.4613 - 0.0202 | .8619 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.1037 - 0.0203 | .9338 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.1505 - 0.0202 | .9373 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 2364 |
| FEB20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0223 UNCH | .0574 | ---- | ---- | ---- | ---- | 150 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0573 - 0.0004 | .1255 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0911 - 0.0011 | .1810 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1201 - 0.0016 | .2233 | ---- | ---- | ---- | ---- | 873 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1366 - 0.0019 | .2456 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1544 - 0.0023 | .2686 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1736 - 0.0026 | .2921 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.1984 - 0.0032 | .3209 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2028 - 0.0032 | .3257 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2072 - 0.0032 | .3306 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2161 - 0.0034 | .3403 | ---- | ---- | ---- | ---- | 432 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2394 - 0.0039 | .3647 | ---- | ---- | ---- | ---- | 135 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.2590 - 0.0043 | .3843 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2640 - 0.0044 | .3892 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.2900 - 0.0048 | .4136 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3457 - 0.0057 | .4616 | ---- | ---- | ---- | ---- | 121 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.5072 - 0.0150 | .8374 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.1431 - 0.0167 | .9107 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.1893 - 0.0168 | .9147 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 2364 |
| MAR20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0333 - 0.0002 | .0792 | ---- | ---- | ---- | ---- | 150 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0786 - 0.0009 | .1589 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1201 - 0.0018 | .2199 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1543 - 0.0025 | .2645 | ---- | ---- | ---- | ---- | 873 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1735 - 0.0028 | .2878 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1940 - 0.0032 | .3114 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2158 - 0.0036 | .3353 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2438 - 0.0041 | .3642 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2486 - 0.0043 | .3691 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2535 - 0.0044 | .3739 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2635 - 0.0045 | .3836 | ---- | ---- | ---- | ---- | 432 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2893 - 0.0050 | .4077 | ---- | ---- | ---- | ---- | 135 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3108 - 0.0054 | .4270 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3163 - 0.0055 | .4317 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3447 - 0.0058 | .4553 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4047 - 0.0069 | .5004 | ---- | ---- | ---- | ---- | 121 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.5893 - 0.0155 | .8443 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.2260 - 0.0168 | .9135 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.2722 - 0.0170 | .9171 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | | 2364 |
| APR20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0393 + 0.0031 | .1207 | ---- | ---- | ---- | 50 | 200 + 50 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0943 + 0.0023 | .2472 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1098 + 0.0017 | .2784 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1460 + 0.0006 | .3453 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1892 - 0.0009 | .4166 | ---- | ---- | ---- | ---- | 648 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2134 - 0.0017 | .4532 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2394 - 0.0024 | .4902 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2670 - 0.0033 | .5272 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2962 - 0.0042 | .5601 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.3022 - 0.0044 | .5715 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.3083 - 0.0046 | .5788 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.3145 - 0.0047 | .5805 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3270 - 0.0051 | .5939 | ---- | ---- | ---- | ---- | 457 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3592 - 0.0059 | .6265 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3861 - 0.0066 | .6652 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3930 - 0.0067 | .6577 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.4280 - 0.0074 | .6875 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.5019 - 0.0085 | .7420 | ---- | ---- | ---- | ---- | 81 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.8180 - 0.0063 | .9915 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4881 - 0.0057 | .9981 | ---- | ---- | ---- | ---- | 25 UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| APR20 | | | | | | | | | | | | |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.5361 - 0.0056 | .9981 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | 50 | 2179 + 50 |
| MAY20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0382 + 0.0030 | .1233 | ---- | ---- | ---- | 50 | 200 + 50 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0938 + 0.0019 | .2576 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1097 + 0.0014 | .2909 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1468 UNCH | .3624 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1914 - 0.0016 | .4385 | ---- | ---- | ---- | ---- | 648 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2164 - 0.0025 | .4775 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2432 - 0.0034 | .5167 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2718 - 0.0042 | .5559 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3019 - 0.0053 | .5886 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.3082 - 0.0053 | .6027 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.3145 - 0.0055 | .6104 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.3208 - 0.0058 | .6096 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3338 - 0.0060 | .6233 | ---- | ---- | ---- | ---- | 457 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3670 - 0.0070 | .6568 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3948 - 0.0075 | .7012 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4019 - 0.0076 | .6884 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.4380 - 0.0083 | .7183 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.5140 - 0.0093 | .7724 | ---- | ---- | ---- | ---- | 81 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.8409 - 0.0061 | .9944 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.5100 - 0.0055 | .9987 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.5578 - 0.0056 | .9987 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | 50 | 2179 + 50 |
| JUN20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0351 + 0.0030 | .1141 | ---- | ---- | ---- | 50 | 215 + 50 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0871 + 0.0021 | .2418 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1021 + 0.0016 | .2740 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1372 + 0.0002 | .3434 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1797 - 0.0013 | .4181 | ---- | ---- | ---- | ---- | 648 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2037 - 0.0021 | .4566 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2294 - 0.0031 | .4956 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2569 - 0.0040 | .5348 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2861 - 0.0049 | .5689 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2921 - 0.0052 | .5816 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2982 - 0.0053 | .5894 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.3043 - 0.0056 | .5903 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3169 - 0.0058 | .6043 | ---- | ---- | ---- | ---- | 457 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3493 - 0.0068 | .6383 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3763 - 0.0074 | .6810 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3831 - 0.0076 | .6708 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.4184 - 0.0083 | .7016 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4928 - 0.0093 | .7576 | ---- | ---- | ---- | ---- | 81 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.8114 - 0.0061 | .9934 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4789 - 0.0055 | .9987 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.5266 - 0.0055 | .9987 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | 50 | 2194 + 50 |
| JUL20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0324 + 0.0029 | .1053 | ---- | ---- | ---- | 50 | 215 + 50 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0810 + 0.0022 | .2260 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0951 + 0.0018 | .2567 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1282 + 0.0005 | .3234 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1685 - 0.0010 | .3960 | ---- | ---- | ---- | ---- | 648 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1913 - 0.0019 | .4337 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2159 - 0.0029 | .4721 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2423 - 0.0038 | .5108 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2704 - 0.0046 | .5461 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2761 - 0.0049 | .5574 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2821 - 0.0050 | .5650 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2880 - 0.0052 | .5678 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3000 - 0.0056 | .5819 | ---- | ---- | ---- | ---- | 457 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3314 - 0.0065 | .6164 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3575 - 0.0072 | .6570 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3641 - 0.0074 | .6496 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3985 - 0.0080 | .6811 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4709 - 0.0094 | .7390 | ---- | ---- | ---- | ---- | 81 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.7790 - 0.0063 | .9929 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4449 - 0.0056 | .9987 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4925 - 0.0056 | .9987 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | 50 | 2194 + 50 |
| AUG20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0327 + 0.0029 | .1050 | ---- | ---- | ---- | 50 | 215 + 50 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0810 + 0.0024 | .2237 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0949 + 0.0019 | .2539 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1277 + 0.0007 | .3196 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1675 - 0.0008 | .3911 | ---- | ---- | ---- | ---- | 648 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1901 - 0.0016 | .4284 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2145 - 0.0024 | .4663 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2405 - 0.0033 | .5046 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2682 - 0.0042 | .5400 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2740 - 0.0044 | .5508 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2798 - 0.0045 | .5585 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2856 - 0.0048 | .5614 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2976 - 0.0051 | .5755 | ---- | ---- | ---- | ---- | 457 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3285 - 0.0061 | .6098 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3544 - 0.0067 | .6500 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3610 - 0.0069 | .6429 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3948 - 0.0077 | .6744 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4666 - 0.0088 | .7323 | ---- | ---- | ---- | ---- | 81 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.7682 - 0.0054 | .9919 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4324 - 0.0047 | .9981 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4798 - 0.0047 | .9987 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | 50 | 2194 + 50 |
| SEP20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0350 + 0.0031 | .1107 | ---- | ---- | ---- | 50 | 215 + 50 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0852 + 0.0023 | .2322 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0996 + 0.0019 | .2628 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1333 + 0.0006 | .3293 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1741 - 0.0009 | .4013 | ---- | ---- | ---- | ---- | 648 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1972 - 0.0016 | .4387 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2219 - 0.0025 | .4767 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2484 - 0.0033 | .5150 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2766 - 0.0041 | .5495 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2824 - 0.0043 | .5612 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2883 - 0.0045 | .5688 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2942 - 0.0048 | .5707 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3063 - 0.0050 | .5846 | ---- | ---- | ---- | ---- | 457 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3376 - 0.0059 | .6185 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3636 - 0.0066 | .6604 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3703 - 0.0068 | .6510 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.4045 - 0.0074 | .6819 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4768 - 0.0084 | .7388 | ---- | ---- | ---- | ---- | 81 UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.7777 - 0.0045 | .9919 | ---- | ---- | ---- | ---- | 50 UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4405 - 0.0037 | .9981 | ---- | ---- | ---- | ---- | 25 UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4878 - 0.0037 | .9987 | ---- | ---- | ---- | ---- | 75 UNCH |
| TOTAL | | | | | | | | | | | 50 | 2194 + 50 |
| OCT20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0345 + 0.0033 | .1074 | ---- | ---- | ---- | 50 | 200 + 50 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0834 + 0.0030 | .2245 | ---- | ---- | ---- | ---- | 290 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0973 + 0.0026 | .2539 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1301 + 0.0016 | .3182 | ---- | ---- | ---- | ---- | 75 UNCH |

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# ENERGY OPTIONS

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| OCT20 | | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1697 + 0.0004 | .3881 | ---- | ---- | ---- | ---- | 648 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1921 - 0.0002 | .4246 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2162 - 0.0010 | .4617 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2420 - 0.0017 | .4993 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2694 - 0.0026 | .5340 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2751 - 0.0026 | .5446 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2808 - 0.0029 | .5522 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2866 - 0.0030 | .5550 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2984 - 0.0033 | .5688 | ---- | ---- | ---- | ---- | 457 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3289 - 0.0041 | .6026 | ---- | ---- | ---- | ---- | 85 | UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3544 - 0.0047 | .6425 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3610 - 0.0048 | .6351 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3944 - 0.0054 | .6663 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4651 - 0.0065 | .7238 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.7561 - 0.0019 | .9910 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.4172 - 0.0009 | .9981 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4645 - 0.0009 | .9981 | ---- | ---- | ---- | ---- | 75 | UNCH |
| TOTAL | | | | | | | | | | | 50 | 2179 + | 50 |
| NOV20 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0222 - 0.0004 | .0785 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0658 - 0.0009 | .1904 | ---- | ---- | ---- | ---- | 290 | UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1107 - 0.0011 | .2825 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1498 - 0.0012 | .3508 | ---- | ---- | ---- | ---- | 658 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1720 - 0.0013 | .3860 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1959 - 0.0015 | .4217 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2216 - 0.0015 | .4574 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2545 - 0.0014 | .5001 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2601 - 0.0016 | .5072 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2659 - 0.0015 | .5123 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2776 - 0.0015 | .5256 | ---- | ---- | ---- | ---- | 457 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3078 - 0.0016 | .5579 | ---- | ---- | ---- | ---- | 85 | UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.3329 - 0.0017 | .5909 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3394 - 0.0016 | .5888 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3724 - 0.0016 | .6183 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.4418 - 0.0016 | .6729 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.7025 - 0.0009 | .9807 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.3600 - 0.0007 | .9961 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4071 - 0.0007 | .9966 | ---- | ---- | ---- | ---- | 75 | UNCH |
| TOTAL | | | | | | | | | | | | 2084 | |
| DEC20 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0161 - 0.0004 | .0559 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0493 - 0.0008 | .1422 | ---- | ---- | ---- | ---- | 290 | UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.0846 - 0.0011 | .2177 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1160 - 0.0012 | .2761 | ---- | ---- | ---- | ---- | 658 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1342 - 0.0014 | .3071 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1542 - 0.0014 | .3390 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1758 - 0.0015 | .3716 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2710 | ---- | ---- | ---- | ---- | ---- | 0.2039 - 0.0016 | .4112 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2720 | ---- | ---- | ---- | ---- | ---- | 0.2088 - 0.0016 | .4178 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2730 | ---- | ---- | ---- | ---- | ---- | 0.2138 - 0.0016 | .4244 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2239 - 0.0017 | .4377 | ---- | ---- | ---- | ---- | 457 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2503 - 0.0017 | .4706 | ---- | ---- | ---- | ---- | 85 | UNCH |
| 2840 | ---- | ---- | ---- | ---- | ---- | 0.2725 - 0.0016 | .4973 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2781 - 0.0017 | .5024 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.3073 - 0.0017 | .5332 | ---- | ---- | ---- | ---- | 16 | UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.3696 - 0.0018 | .5913 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 4450 | ---- | ---- | ---- | ---- | ---- | 1.5826 - 0.0010 | .9660 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 5150 | ---- | ---- | ---- | ---- | ---- | 2.2356 - 0.0008 | .9919 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.2825 - 0.0008 | .9927 | ---- | ---- | ---- | ---- | 75 | UNCH |
| TOTAL | | | | | | | | | | | | 2084 | |
| JAN21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0164 + 0.0005 | .0513 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0475 + 0.0009 | .1250 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1091 + 0.0014 | .2391 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1450 + 0.0014 | .2935 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.1879 + 0.0014 | .3504 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2118 + 0.0014 | .3791 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2373 + 0.0014 | .4078 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2645 + 0.0014 | .4362 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.1955 - 0.0003 | .9616 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1263 | |
| FEB21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0255 + 0.0004 | .0696 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0653 + 0.0007 | .1508 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1373 + 0.0007 | .2655 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1771 + 0.0007 | .3176 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2230 + 0.0006 | .3709 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2483 + 0.0006 | .3977 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2750 + 0.0005 | .4242 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3032 + 0.0004 | .4503 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.2261 - 0.0020 | .9521 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1263 | |
| MAR21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0388 + 0.0003 | .0962 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0901 + 0.0002 | .1893 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1772 UNCH | .3105 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2227 - 0.0002 | .3626 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2741 - 0.0004 | .4146 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3019 - 0.0005 | .4403 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3311 - 0.0008 | .4650 | ---- | ---- | ---- | ---- | 281 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3621 - 0.0009 | .4884 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.3024 - 0.0038 | .9518 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1513 | |
| APR21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0571 + 0.0007 | .1530 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1236 + 0.0007 | .2841 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2263 UNCH | .4470 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2519 - 0.0001 | .4808 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2788 - 0.0005 | .5166 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3374 - 0.0008 | .5863 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3687 - 0.0010 | .6066 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.4013 - 0.0013 | .6554 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4351 - 0.0016 | .6624 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.5139 - 0.0061 | .9910 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1713 | |
| MAY21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0566 + 0.0007 | .1570 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1240 + 0.0006 | .2943 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2293 - 0.0002 | .4654 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2831 - 0.0006 | .5381 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3431 - 0.0011 | .6108 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3751 - 0.0013 | .6281 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.4085 - 0.0016 | .6829 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4431 - 0.0019 | .6840 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.5301 - 0.0061 | .9922 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1463 | |
| JUN21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0516 + 0.0009 | .1457 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1151 + 0.0011 | .2785 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2157 + 0.0008 | .4472 | ---- | ---- | ---- | ---- | 250 | UNCH |

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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| JUN21 | | | | | | | | | | | | | |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2675 + 0.0005 | .5201 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3257 + 0.0001 | .5934 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3571 UNCH | .6137 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3898 - 0.0002 | .6661 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4236 - 0.0006 | .6713 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.5007 - 0.0044 | .9921 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1463 | |
| JUL21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0481 + 0.0008 | .1358 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1081 + 0.0010 | .2625 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2040 + 0.0008 | .4261 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2537 + 0.0006 | .4977 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3098 + 0.0002 | .5703 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3401 - 0.0001 | .5938 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3718 - 0.0002 | .6429 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4049 - 0.0003 | .6525 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4674 - 0.0043 | .9914 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1463 | |
| AUG21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0479 + 0.0009 | .1338 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1070 + 0.0010 | .2577 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2015 + 0.0007 | .4184 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2505 + 0.0006 | .4890 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3056 + 0.0001 | .5610 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3356 + 0.0001 | .5851 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3669 - 0.0002 | .6328 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3995 - 0.0004 | .6438 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4516 - 0.0044 | .9910 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1463 | |
| SEP21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0492 + 0.0009 | .1358 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1090 + 0.0010 | .2598 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2037 + 0.0007 | .4197 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2526 + 0.0003 | .4900 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3078 + 0.0001 | .5617 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3378 UNCH | .5853 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3690 - 0.0002 | .6334 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.4015 - 0.0004 | .6436 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4482 - 0.0044 | .9906 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1463 | |
| OCT21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0479 + 0.0008 | .1301 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1057 + 0.0010 | .2486 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1974 + 0.0008 | .4025 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2445 + 0.0005 | .4706 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2979 + 0.0003 | .5405 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3269 + 0.0001 | .5662 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3572 - 0.0002 | .6109 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3889 - 0.0003 | .6246 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.4189 - 0.0043 | .9896 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1463 | |
| NOV21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0422 + 0.0008 | .1143 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0928 + 0.0010 | .2211 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1790 + 0.0008 | .3664 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2241 + 0.0006 | .4311 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2753 + 0.0003 | .4974 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3029 + 0.0002 | .5309 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3319 + 0.0001 | .5644 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.3621 UNCH | .5847 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.3660 - 0.0039 | .9731 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1213 | |
| DEC21 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.0332 + 0.0007 | .0866 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0738 + 0.0009 | .1711 | ---- | ---- | ---- | ---- | 465 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1429 + 0.0010 | .2910 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1806 + 0.0009 | .3472 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2239 + 0.0007 | .4062 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2477 + 0.0007 | .4365 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.2728 + 0.0006 | .4671 | ---- | ---- | ---- | ---- | 31 | UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.2992 + 0.0004 | .4958 | ---- | ---- | ---- | ---- | 260 | UNCH |
| 5200 | ---- | ---- | ---- | ---- | ---- | 2.2359 - 0.0038 | .9603 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 1213 | |
| JAN22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0024 UNCH | .0079 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1413 - 0.0006 | .2554 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1589 - 0.0006 | .2787 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1777 - 0.0007 | .3027 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2192 - 0.0009 | .3521 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2418 - 0.0009 | .3774 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 357 | |
| FEB22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0041 UNCH | .0121 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1655 - 0.0007 | .2743 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1844 - 0.0008 | .2970 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2046 - 0.0008 | .3203 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2482 - 0.0010 | .3678 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2717 - 0.0011 | .3919 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 357 | |
| MAR22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0067 UNCH | .0184 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1983 - 0.0009 | .3064 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2191 - 0.0009 | .3293 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2410 - 0.0010 | .3526 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2881 - 0.0012 | .3999 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3133 - 0.0013 | .4237 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 357 | |
| APR22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0064 - 0.0003 | .0218 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2375 - 0.0031 | .4246 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2624 - 0.0033 | .4555 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2887 - 0.0034 | .4867 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3450 - 0.0036 | .5412 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3748 - 0.0038 | .5810 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.4058 - 0.0039 | .5936 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 382 | |
| MAY22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0052 - 0.0003 | .0192 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2330 - 0.0032 | .4393 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2583 - 0.0034 | .4723 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2850 - 0.0035 | .5056 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3423 - 0.0039 | .5725 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3728 - 0.0039 | .6061 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.4045 - 0.0039 | .6152 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 382 | |
| JUN22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0045 - 0.0002 | .0168 | ---- | ---- | ---- | ---- | 50 | UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| JUN22 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1361 - 0.0025 | .2972 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2202 - 0.0032 | .4228 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2447 - 0.0035 | .4557 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2707 - 0.0035 | .4889 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3265 - 0.0038 | .5558 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3563 - 0.0038 | .5895 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3872 - 0.0040 | .6023 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 383 | |
| JUL22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0041 - 0.0002 | .0153 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1283 - 0.0025 | .2823 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2092 - 0.0032 | .4051 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2329 - 0.0034 | .4375 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2580 - 0.0035 | .4702 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3121 - 0.0038 | .5366 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3411 - 0.0039 | .5700 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3712 - 0.0040 | .5863 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 383 | |
| AUG22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0040 - 0.0002 | .0149 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1252 - 0.0026 | .2758 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2047 - 0.0032 | .3971 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2280 - 0.0034 | .4291 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2527 - 0.0035 | .4616 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3061 - 0.0038 | .5275 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3346 - 0.0039 | .5607 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3644 - 0.0040 | .5784 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 383 | |
| SEP22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0041 - 0.0002 | .0151 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1257 - 0.0026 | .2757 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2050 - 0.0033 | .3965 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2283 - 0.0034 | .4284 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2529 - 0.0036 | .4608 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3061 - 0.0038 | .5265 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3346 - 0.0039 | .5597 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3642 - 0.0041 | .5774 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 383 | |
| OCT22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0039 - 0.0002 | .0142 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1205 - 0.0023 | .2632 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1972 - 0.0029 | .3804 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2197 - 0.0031 | .4115 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2436 - 0.0032 | .4431 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2954 - 0.0034 | .5074 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.3231 - 0.0035 | .5400 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.3521 - 0.0035 | .5603 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 383 | |
| NOV22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0033 - 0.0002 | .0119 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1078 - 0.0022 | .2359 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1791 - 0.0028 | .3461 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.2003 - 0.0029 | .3756 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.2227 - 0.0031 | .4057 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2715 - 0.0033 | .4671 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2978 - 0.0033 | .4983 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 358 | |
| DEC22 | | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.0023 - 0.0002 | .0080 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0839 - 0.0019 | .1824 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1423 - 0.0026 | .2757 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.1601 - 0.0027 | .3014 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.1792 - 0.0029 | .3279 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2211 - 0.0031 | .3826 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.2439 - 0.0033 | .4107 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 358 | |
| JAN23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.0963 - 0.0005 | .1721 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1497 - 0.0008 | .2467 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1947 - 0.0009 | .3094 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2122 - 0.0010 | .3322 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.0856 - 0.0035 | .9468 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.3040 - 0.0033 | .9583 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| FEB23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1117 - 0.0003 | .1868 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1683 - 0.0006 | .2612 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2160 - 0.0007 | .3235 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2354 - 0.0008 | .3461 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.1088 - 0.0025 | .9399 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.3260 - 0.0026 | .9524 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| MAR23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1323 - 0.0005 | .2105 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1919 - 0.0007 | .2872 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2467 - 0.0008 | .3521 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2682 - 0.0008 | .3751 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.1629 - 0.0026 | .9390 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.3797 - 0.0026 | .9512 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| APR23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1376 - 0.0006 | .2734 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2167 - 0.0008 | .3839 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2893 - 0.0011 | .4724 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3159 - 0.0012 | .5025 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.3465 - 0.0027 | .9721 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.5659 - 0.0027 | .9786 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| MAY23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1437 - 0.0006 | .2825 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2246 - 0.0009 | .3940 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2984 - 0.0011 | .4829 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3254 - 0.0012 | .5132 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.3577 - 0.0027 | .9724 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.5765 - 0.0029 | .9789 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| JUN23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1390 - 0.0006 | .2717 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2176 - 0.0009 | .3802 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2896 - 0.0011 | .4673 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3159 - 0.0012 | .4970 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.3317 - 0.0027 | .9695 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.5498 - 0.0028 | .9765 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| JUL23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1342 - 0.0006 | .2607 | ---- | ---- | ---- | ---- | 1 | UNCH |

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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| JUL23 | | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2104 - 0.0009 | .3660 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2805 - 0.0010 | .4510 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3062 - 0.0011 | .4800 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.3035 - 0.0027 | .9668 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.5210 - 0.0027 | .9742 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| AUG23 | | | | | | | | | | | | | |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.1320 - 0.0006 | .2546 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2069 - 0.0008 | .3579 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2758 - 0.0010 | .4415 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3010 - 0.0012 | .4701 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.2856 - 0.0027 | .9646 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.5024 - 0.0028 | .9724 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 278 | |
| SEP23 | | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2081 - 0.0008 | .3571 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2768 - 0.0011 | .4401 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.3020 - 0.0011 | .4685 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.2791 - 0.0027 | .9632 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.4953 - 0.0027 | .9712 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 277 | |
| OCT23 | | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2009 - 0.0009 | .3435 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2677 - 0.0011 | .4244 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2922 - 0.0012 | .4522 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.2513 - 0.0026 | .9600 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.4667 - 0.0028 | .9685 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 277 | |
| NOV23 | | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1846 - 0.0008 | .3152 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2474 - 0.0010 | .3922 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2706 - 0.0011 | .4188 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.1959 - 0.0027 | .9541 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.4103 - 0.0028 | .9637 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 277 | |
| DEC23 | | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1490 - 0.0006 | .2556 | ---- | ---- | ---- | ---- | 175 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2030 - 0.0008 | .3238 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.2231 - 0.0009 | .3477 | ---- | ---- | ---- | ---- | 12 | UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 2.0709 - 0.0026 | .9393 | ---- | ---- | ---- | ---- | 30 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 2.2834 - 0.0027 | .9516 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 277 | |
| JAN24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0731 - 0.0004 | .1351 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1296 - 0.0005 | .2181 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1753 - 0.0007 | .2780 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.0147 - 0.0027 | .9294 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 175 | |
| FEB24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0775 - 0.0004 | .1420 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1359 - 0.0007 | .2270 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.1834 - 0.0007 | .2884 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.0322 - 0.0027 | .9306 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 170 | |
| MAR24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0872 - 0.0004 | .1585 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1507 - 0.0007 | .2497 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2019 - 0.0008 | .3146 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.0814 - 0.0026 | .9357 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 166 | |
| APR24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1279 - 0.0006 | .2317 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2145 - 0.0009 | .3490 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2801 - 0.0011 | .4275 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.2736 - 0.0028 | .9577 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 172 | |
| MAY24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1329 - 0.0007 | .2390 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2215 - 0.0009 | .3577 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2882 - 0.0011 | .4370 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.2840 - 0.0027 | .9579 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 172 | |
| JUN24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1294 - 0.0006 | .2307 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2156 - 0.0009 | .3461 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2807 - 0.0011 | .4235 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.2585 - 0.0028 | .9551 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 167 | |
| JUL24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1251 - 0.0006 | .2214 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2086 - 0.0009 | .3331 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2719 - 0.0011 | .4084 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.2307 - 0.0027 | .9517 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 167 | |
| AUG24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1232 - 0.0007 | .2165 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2054 - 0.0009 | .3259 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2677 - 0.0010 | .3998 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.2124 - 0.0027 | .9492 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 163 | |
| SEP24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1243 - 0.0006 | .2167 | ---- | ---- | ---- | ---- | 36 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2063 - 0.0009 | .3253 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2685 - 0.0011 | .3988 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.2063 - 0.0028 | .9480 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 166 | |
| OCT24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1204 - 0.0006 | .2084 | ---- | ---- | ---- | ---- | 41 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.2002 - 0.0009 | .3138 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2607 - 0.0010 | .3853 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.1797 - 0.0027 | .9444 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 171 | |
| NOV24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1120 - 0.0005 | .1912 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1871 - 0.0008 | .2898 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2438 - 0.0010 | .3572 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.1260 - 0.0027 | .9365 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 168 | |
| DEC24 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0916 - 0.0005 | .1546 | ---- | ---- | ---- | ---- | 45 | UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.1563 - 0.0007 | .2397 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.2055 - 0.0009 | .2987 | ---- | ---- | ---- | ---- | 20 | UNCH |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | | |
| DEC24 | | | | | | | | | | | | | |
| 5300 | ---- | ---- | ---- | ---- | ---- | 2.0066 - 0.0027 | .9209 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 175 | |
| JAN25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0635 - 0.0003 | .1183 | ---- | ---- | ---- | ---- | 45 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| FEB25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0675 - 0.0003 | .1246 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | 40 | |
| MAR25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0762 - 0.0004 | .1395 | ---- | ---- | ---- | ---- | 36 | UNCH |
| TOTAL | | | | | | | | | | | | 36 | |
| APR25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1140 - 0.0005 | .2061 | ---- | ---- | ---- | ---- | 42 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| MAY25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1186 - 0.0006 | .2130 | ---- | ---- | ---- | ---- | 42 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| JUN25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1152 - 0.0006 | .2056 | ---- | ---- | ---- | ---- | 37 | UNCH |
| TOTAL | | | | | | | | | | | | 37 | |
| JUL25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1114 - 0.0006 | .1977 | ---- | ---- | ---- | ---- | 37 | UNCH |
| TOTAL | | | | | | | | | | | | 37 | |
| AUG25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1090 - 0.0005 | .1921 | ---- | ---- | ---- | ---- | 33 | UNCH |
| TOTAL | | | | | | | | | | | | 33 | |
| SEP25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1097 - 0.0005 | .1922 | ---- | ---- | ---- | ---- | 36 | UNCH |
| TOTAL | | | | | | | | | | | | 36 | |
| OCT25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1057 - 0.0006 | .1842 | ---- | ---- | ---- | ---- | 41 | UNCH |
| TOTAL | | | | | | | | | | | | 41 | |
| NOV25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0970 - 0.0005 | .1679 | ---- | ---- | ---- | ---- | 38 | UNCH |
| TOTAL | | | | | | | | | | | | 38 | |
| DEC25 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0781 - 0.0004 | .1345 | ---- | ---- | ---- | ---- | 45 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| JAN26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0661 - 0.0003 | .1129 | ---- | ---- | ---- | ---- | 45 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| FEB26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0697 - 0.0004 | .1183 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | 40 | |
| MAR26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0778 - 0.0004 | .1314 | ---- | ---- | ---- | ---- | 36 | UNCH |
| TOTAL | | | | | | | | | | | | 36 | |
| APR26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1142 - 0.0006 | .1920 | ---- | ---- | ---- | ---- | 42 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| MAY26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1189 - 0.0005 | .1987 | ---- | ---- | ---- | ---- | 42 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| JUN26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1157 - 0.0006 | .1923 | ---- | ---- | ---- | ---- | 37 | UNCH |
| TOTAL | | | | | | | | | | | | 37 | |
| JUL26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1124 - 0.0005 | .1857 | ---- | ---- | ---- | ---- | 37 | UNCH |
| TOTAL | | | | | | | | | | | | 37 | |
| AUG26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1096 - 0.0005 | .1800 | ---- | ---- | ---- | ---- | 33 | UNCH |
| TOTAL | | | | | | | | | | | | 33 | |
| SEP26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1100 - 0.0006 | .1797 | ---- | ---- | ---- | ---- | 36 | UNCH |
| TOTAL | | | | | | | | | | | | 36 | |
| OCT26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1059 - 0.0005 | .1720 | ---- | ---- | ---- | ---- | 41 | UNCH |
| TOTAL | | | | | | | | | | | | 41 | |
| NOV26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0971 - 0.0005 | .1565 | ---- | ---- | ---- | ---- | 38 | UNCH |
| TOTAL | | | | | | | | | | | | 38 | |
| DEC26 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0794 - 0.0004 | .1268 | ---- | ---- | ---- | ---- | 45 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| JAN27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0646 - 0.0003 | .1043 | ---- | ---- | ---- | ---- | 45 | UNCH |
| TOTAL | | | | | | | | | | | | 45 | |
| FEB27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0678 - 0.0003 | .1090 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | 40 | |
| MAR27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0750 - 0.0004 | .1203 | ---- | ---- | ---- | ---- | 36 | UNCH |
| TOTAL | | | | | | | | | | | | 36 | |
| APR27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1114 - 0.0005 | .1793 | ---- | ---- | ---- | ---- | 42 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| MAY27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1158 - 0.0005 | .1855 | ---- | ---- | ---- | ---- | 42 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| JUN27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1125 - 0.0005 | .1793 | ---- | ---- | ---- | ---- | 37 | UNCH |
| TOTAL | | | | | | | | | | | | 37 | |
| JUL27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1091 - 0.0006 | .1729 | ---- | ---- | ---- | ---- | 37 | UNCH |
| TOTAL | | | | | | | | | | | | 37 | |
| AUG27 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1062 - 0.0005 | .1672 | ---- | ---- | ---- | ---- | 33 | UNCH |
| TOTAL | | | | | | | | | | | | 33 | |
| SEP27 | | | | | | | | | | | | | |

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**FINAL**

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THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LN PUT | | NYMEX NATURAL GAS (EURO) OPTS | | | | | | | | | | |
| SEP27 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1063 - 0.0005 | .1666 | ---- | ---- | ---- | ---- | 36 UNCH |
| TOTAL | | | | | | | | | | | | 36 |
| OCT27 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1019 - 0.0004 | .1586 | ---- | ---- | ---- | ---- | 41 UNCH |
| TOTAL | | | | | | | | | | | | 41 |
| NOV27 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0932 - 0.0005 | .1440 | ---- | ---- | ---- | ---- | 38 UNCH |
| TOTAL | | | | | | | | | | | | 38 |
| DEC27 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0772 - 0.0004 | .1176 | ---- | ---- | ---- | ---- | 45 UNCH |
| TOTAL | | | | | | | | | | | | 45 |
| JAN28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0661 - 0.0003 | .0996 | ---- | ---- | ---- | ---- | 45 UNCH |
| TOTAL | | | | | | | | | | | | 45 |
| FEB28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0692 - 0.0004 | .1038 | ---- | ---- | ---- | ---- | 40 UNCH |
| TOTAL | | | | | | | | | | | | 40 |
| MAR28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0760 - 0.0004 | .1139 | ---- | ---- | ---- | ---- | 36 UNCH |
| TOTAL | | | | | | | | | | | | 36 |
| APR28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1143 - 0.0005 | .1737 | ---- | ---- | ---- | ---- | 42 UNCH |
| TOTAL | | | | | | | | | | | | 42 |
| MAY28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1183 - 0.0006 | .1793 | ---- | ---- | ---- | ---- | 42 UNCH |
| TOTAL | | | | | | | | | | | | 42 |
| JUN28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1146 - 0.0005 | .1726 | ---- | ---- | ---- | ---- | 37 UNCH |
| TOTAL | | | | | | | | | | | | 37 |
| JUL28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1069 - 0.0005 | .1625 | ---- | ---- | ---- | ---- | 37 UNCH |
| TOTAL | | | | | | | | | | | | 37 |
| AUG28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1022 - 0.0005 | .1543 | ---- | ---- | ---- | ---- | 33 UNCH |
| TOTAL | | | | | | | | | | | | 33 |
| SEP28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1013 - 0.0005 | .1522 | ---- | ---- | ---- | ---- | 36 UNCH |
| TOTAL | | | | | | | | | | | | 36 |
| OCT28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0957 - 0.0004 | .1427 | ---- | ---- | ---- | ---- | 41 UNCH |
| TOTAL | | | | | | | | | | | | 41 |
| NOV28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0882 - 0.0004 | .1302 | ---- | ---- | ---- | ---- | 38 UNCH |
| TOTAL | | | | | | | | | | | | 38 |
| DEC28 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0738 - 0.0004 | .1073 | ---- | ---- | ---- | ---- | 45 UNCH |
| TOTAL | | | | | | | | | | | | 45 |
| JAN29 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0639 - 0.0003 | .0916 | ---- | ---- | ---- | ---- | 45 UNCH |
| TOTAL | | | | | | | | | | | | 45 |
| FEB29 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0667 - 0.0003 | .0954 | ---- | ---- | ---- | ---- | 40 UNCH |
| TOTAL | | | | | | | | | | | | 40 |
| ON CALL | | NYMEX NATURAL GAS OPTIONS (PHY) | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.439 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.339 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.289 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.239 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.189 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.139 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2850 | ---- | ---- | ---- | ---- | ---- | 0.089 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.039 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.000 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| AUG18 | | | | | | | | | | | | |
| 2450 | ---- | ---- | 0.530B/---- | 0.530B/---- | ---- | 0.531 + 0.050 | .9992 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2500 | ---- | ---- | 0.490B/---- | 0.490B/---- | ---- | 0.481 + 0.050 | .9977 | ---- | ---- | ---- | ---- | 103 UNCH |
| 2550 | ---- | ---- | 0.440B/---- | 0.440B/---- | ---- | 0.431 + 0.049 | .9942 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2600 | ---- | ---- | 0.390B/---- | 0.390B/---- | ---- | 0.382 + 0.049 | .9866 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2650 | ---- | ---- | 0.340B/---- | 0.340B/---- | ---- | 0.333 + 0.048 | .9655 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2700 | ---- | ---- | 0.300B/---- | 0.300B/---- | ---- | 0.286 + 0.048 | .9440 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2750 | ---- | ---- | 0.250B/---- | 0.250B/---- | ---- | 0.240 + 0.045 | .9059 | ---- | ---- | ---- | ---- | 359 UNCH |
| 2800 | ---- | ---- | 0.210B/---- | 0.210B/---- | ---- | 0.197 + 0.042 | .8479 | ---- | ---- | ---- | ---- | 284 UNCH |
| 2850 | ---- | ---- | 0.160B/---- | 0.160B/---- | ---- | 0.157 + 0.037 | .7740 | ---- | ---- | 50 | ---- | 281 - 50 |
| 2900 | ---- | ---- | 0.130B/---- | 0.130B/---- | ---- | 0.122 + 0.033 | .6814 | ---- | ---- | 150 | ---- | 304 + 50 |
| 2950 | 0.090 | 0.090 | 0.100B/0.080A | 0.100B/0.080A | ---- | 0.091 + 0.027 | .5791 | ---- | ---- | 92 | ---- | 483 + 22 |
| 3000 | 0.070 | 0.070 | 0.070B/0.060A | 0.070B/0.060A | ---- | 0.066 + 0.021 | .4714 | ---- | ---- | 336 | ---- | 1331 + 129 |
| 3050 | 0.050 | 0.050 | 0.050/0.040A | 0.050/0.040A | ---- | 0.046 + 0.016 | .3670 | ---- | ---- | 383 | ---- | 2474 + 168 |
| 3100 | 0.030 | 0.030 | 0.040/0.030A | 0.040/0.030A | ---- | 0.031 + 0.012 | .2732 | ---- | ---- | 1091 | ---- | 3719 + 40 |
| 3150 | 0.020 | 0.020 | 0.020/0.020A | 0.020/0.020A | ---- | 0.020 + 0.008 | .1937 | ---- | ---- | 82 | ---- | 1379 - 15 |
| 3200 | 0.010 | 0.010 | 0.020/0.010A | 0.020/0.010A | ---- | 0.013 + 0.005 | .1346 | ---- | ---- | 303 | ---- | 655 + 98 |
| 3250 | 0.010 | 0.010 | 0.010/0.010 | 0.010/0.010 | ---- | 0.008 + 0.003 | .0888 | ---- | ---- | 60 | ---- | 799 + 56 |
| 3300 | 0.010 | 0.010 | 0.010/0.010 | 0.010/0.010 | ---- | 0.005 + 0.002 | .0582 | ---- | ---- | 101 | ---- | 1285 + 31 |
| 3350 | 0.000 | 0.000 | 0.000/0.000 | 0.000/0.000 | ---- | 0.003 + 0.001 | .0367 | ---- | ---- | 105 | ---- | 679 + 104 |
| 3400 | 0.000 | 0.000 | 0.000/0.000 | 0.000/0.000 | ---- | 0.002 UNCH | .0248 | ---- | ---- | 1 | ---- | 462 + 1 |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0133 | ---- | ---- | 3 | ---- | 174 + 3 |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0073 | ---- | ---- | ---- | ---- | 219 UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0039 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3600 | 0.000 | 0.000 | 0.000/0.000 | 0.000/0.000 | ---- | 0.001 UNCH | .0020 | ---- | ---- | 2 | ---- | 63 + 2 |
| 3650 | 0.000 | 0.000 | #0.000/*0.000 | #0.000/*0.000 | ---- | 0.001 NEW | .0010 | ---- | ---- | 1 | ---- | 1 + 1 |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0002 | ---- | ---- | ---- | ---- | 9 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 6 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 3 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 2760 | | 15088 + 640 |
| SEP18 | | | | | | | | | | | | |
| 2500 | ---- | ---- | 0.460B/---- | 0.460B/---- | ---- | 0.453 + 0.043 | .9722 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2550 | ---- | ---- | 0.410B/---- | 0.410B/---- | ---- | 0.405 + 0.042 | .9561 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2600 | ---- | ---- | 0.370B/---- | 0.370B/---- | ---- | 0.358 + 0.040 | .9334 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2650 | ---- | ---- | 0.330B/---- | 0.330B/---- | ---- | 0.313 + 0.039 | .8998 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2700 | ---- | ---- | 0.290B/---- | 0.290B/---- | ---- | 0.270 + 0.036 | .8569 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2750 | ---- | ---- | 0.240B/---- | 0.240B/---- | ---- | 0.230 + 0.034 | .8029 | ---- | ---- | ---- | ---- | 8 UNCH |
| 2800 | ---- | ---- | 0.210B/---- | 0.210B/---- | ---- | 0.193 + 0.030 | .7403 | ---- | ---- | ---- | ---- | 82 UNCH |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT. & PT. | PRICE CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON CALL | | NYMEX NATURAL GAS OPTIONS (PHY) | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | 0.170B/---- | 0.170B/---- | ---- | 0.160 | + 0.027 | .6711 | ---- | ---- | ---- | ---- | 46 UNCH |
| 2900 | ---- | ---- | 0.140B/---- | 0.140B/---- | ---- | 0.131 | + 0.024 | .5956 | ---- | ---- | ---- | ---- | 257 UNCH |
| 2950 | 0.110 | 0.110 | 0.120B/0.110 | 0.120B/0.110 | ---- | 0.105 | + 0.021 | .5191 | ---- | ---- | 60 | ---- | 62 + 60 |
| 3000 | 0.090 | 0.090 | 0.090B/0.080A | 0.090B/0.080A | ---- | 0.083 | + 0.017 | .4434 | ---- | ---- | 109 | ---- | 836 - 28 |
| 3050 | ---- | ---- | 0.070B/---- | 0.070B/---- | ---- | 0.065 | + 0.014 | .3720 | ---- | ---- | ---- | ---- | 80 UNCH |
| 3100 | 0.060 | 0.060 | 0.060/0.050A | 0.060/0.050A | ---- | 0.050 | + 0.012 | .3061 | ---- | ---- | 54 | ---- | 410 + 43 |
| 3150 | 0.040 | 0.040 | 0.040B/0.040 | 0.040B/0.040 | ---- | 0.038 | + 0.009 | .2475 | ---- | ---- | 20 | ---- | 129 + 20 |
| 3200 | 0.030 | 0.030 | 0.030/0.030A | 0.030/0.030A | ---- | 0.028 | + 0.007 | .1950 | ---- | ---- | 7 | ---- | 665 - 5 |
| 3250 | ---- | ---- | 0.020B/---- | 0.020B/---- | ---- | 0.021 | + 0.005 | .1534 | ---- | ---- | 6 | ---- | 163 + 6 |
| 3300 | 0.020 | 0.020 | 0.020B/0.020 | 0.020B/0.020 | ---- | 0.015 | + 0.004 | .1163 | ---- | ---- | 12 | ---- | 828 - 5 |
| 3350 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.011 | + 0.003 | .0889 | ---- | ---- | ---- | ---- | 24 UNCH |
| 3400 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.008 | + 0.002 | .0671 | ---- | ---- | ---- | ---- | 342 UNCH |
| 3450 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.006 | + 0.002 | .0516 | ---- | ---- | 2 | ---- | 156 + 2 |
| 3500 | 0.010 | 0.010 | 0.010/0.010 | 0.010/0.010 | ---- | 0.004 | + 0.001 | .0363 | ---- | ---- | 1 | ---- | 421 UNCH |
| 3550 | ---- | ---- | 0.000B/---- | 0.000B/---- | ---- | 0.003 | + 0.001 | .0277 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.002 | UNCH | .0192 | ---- | ---- | ---- | ---- | 94 UNCH |
| 3650 | ---- | ---- | 0.000B/---- | 0.000B/---- | ---- | 0.002 | + 0.001 | .0183 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0101 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0068 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0046 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0030 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0020 | ---- | ---- | ---- | ---- | 50 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0008 | ---- | ---- | ---- | ---- | 1 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | 271 | | 4688 + 93 |
| OCT18 | | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.955 | + 0.042 | .9998 | ---- | ---- | ---- | ---- | 75 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.606 | + 0.042 | .9839 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.557 | + 0.041 | .9765 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.509 | + 0.040 | .9632 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2500 | ---- | ---- | 0.470B/---- | 0.470B/---- | ---- | 0.461 | + 0.039 | .9449 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2550 | ---- | ---- | 0.430B/---- | 0.430B/---- | ---- | 0.415 | + 0.038 | .9219 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2600 | ---- | ---- | 0.390B/---- | 0.390B/---- | ---- | 0.371 | + 0.036 | .8945 | ---- | ---- | ---- | ---- | 9 UNCH |
| 2650 | 0.330 | 0.330 | 0.340B/0.330A | 0.340B/0.330A | ---- | 0.328 | + 0.034 | .8564 | ---- | ---- | 1 | ---- | 2 + 1 |
| 2700 | ---- | ---- | 0.300B/---- | 0.300B/---- | ---- | 0.288 | + 0.032 | .8153 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2800 | ---- | ---- | 0.230B/---- | 0.230B/---- | ---- | 0.216 | + 0.028 | .7099 | ---- | ---- | ---- | ---- | 17 UNCH |
| 2850 | ---- | ---- | 0.200B/---- | 0.200B/---- | ---- | 0.184 | + 0.025 | .6514 | ---- | ---- | ---- | ---- | 243 UNCH |
| 2900 | ---- | ---- | 0.170B/---- | 0.170B/---- | ---- | 0.156 | + 0.023 | .5902 | ---- | ---- | ---- | ---- | 160 UNCH |
| 2950 | ---- | ---- | 0.140B/---- | 0.140B/---- | ---- | 0.130 | + 0.020 | .5277 | ---- | ---- | ---- | ---- | 27 UNCH |
| 3000 | 0.110 | 0.110 | 0.120B/0.100A | 0.120B/0.100A | ---- | 0.108 | + 0.017 | .4659 | ---- | ---- | 25 | ---- | 482 + 20 |
| 3050 | ---- | ---- | 0.100B/---- | 0.100B/---- | ---- | 0.089 | + 0.015 | .4066 | ---- | ---- | ---- | ---- | 27 UNCH |
| 3100 | ---- | ---- | 0.080B/---- | 0.080B/---- | ---- | 0.072 | + 0.013 | .3497 | ---- | ---- | ---- | ---- | 50 UNCH |
| 3150 | 0.060 | 0.060 | 0.060B/0.050A | 0.060B/0.050A | ---- | 0.058 | + 0.011 | .2975 | ---- | ---- | 1 | ---- | 13 UNCH |
| 3200 | 0.040 | 0.040 | 0.050B/0.040 | 0.050B/0.040 | ---- | 0.046 | + 0.008 | .2495 | ---- | ---- | 20 | ---- | 123 UNCH |
| 3250 | 0.040 | 0.040 | 0.040B/0.040 | 0.040B/0.040 | ---- | 0.037 | + 0.007 | .2090 | ---- | ---- | 20 | ---- | 456 - 20 |
| 3300 | 0.030 | 0.030 | 0.030B/0.030A | 0.030B/0.030A | ---- | 0.029 | + 0.006 | .1718 | ---- | ---- | 2 | ---- | 153 + 2 |
| 3350 | ---- | ---- | 0.030B/---- | 0.030B/---- | ---- | 0.023 | + 0.005 | .1414 | ---- | ---- | ---- | ---- | 20 UNCH |
| 3400 | ---- | ---- | 0.020B/---- | 0.020B/---- | ---- | 0.018 | + 0.004 | .1149 | ---- | ---- | ---- | ---- | 15 UNCH |
| 3450 | 0.020 | 0.020 | 0.020/0.010A | 0.020/0.010A | ---- | 0.014 | + 0.003 | .0926 | ---- | ---- | 2 | ---- | 145 + 2 |
| 3500 | 0.010 | 0.010 | 0.010/0.010A | 0.010/0.010A | ---- | 0.011 | + 0.002 | .0749 | ---- | ---- | 6 | ---- | 1005 UNCH |
| 3550 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.009 | + 0.002 | .0621 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3600 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.007 | + 0.002 | .0497 | ---- | ---- | ---- | ---- | 29 UNCH |
| 3700 | ---- | ---- | 0.000B/---- | 0.000B/---- | ---- | 0.004 | + 0.001 | .0302 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.003 | UNCH | .0233 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3800 | ---- | ---- | 0.000B/---- | 0.000B/---- | ---- | 0.003 | + 0.001 | .0224 | ---- | ---- | ---- | ---- | 1200 UNCH |
| 3850 | ---- | ---- | ---- | ---- | ---- | 0.002 | UNCH | .0158 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3900 | 0.000 | 0.000 | 0.000/*0.000 | 0.000/*0.000 | ---- | 0.002 | UNCH | .0152 | ---- | ---- | 6 | ---- | 558 + 6 |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0082 | ---- | ---- | ---- | ---- | 303 UNCH |
| 4050 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0062 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0046 | ---- | ---- | ---- | ---- | 10 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | ---- | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | 83 | | 5172 + 11 |
| NOV18 | | | | | | | | | | | | | |
| 2850 | ---- | ---- | 0.250B/---- | 0.250B/---- | ---- | 0.234 | + 0.024 | .6698 | ---- | ---- | ---- | ---- | 33 UNCH |
| 2900 | ---- | ---- | 0.220B/---- | 0.220B/---- | ---- | 0.205 | + 0.023 | .6205 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2950 | ---- | ---- | 0.190B/---- | 0.190B/---- | ---- | 0.178 | + 0.021 | .5698 | ---- | ---- | ---- | ---- | 23 UNCH |
| 3000 | ---- | ---- | 0.160B/---- | 0.160B/---- | ---- | 0.154 | + 0.019 | .5190 | ---- | ---- | ---- | ---- | 131 UNCH |
| 3050 | ---- | ---- | 0.140B/---- | 0.140B/---- | ---- | 0.132 | + 0.017 | .4689 | ---- | ---- | ---- | ---- | 21 UNCH |
| 3100 | ---- | ---- | 0.120B/---- | 0.120B/---- | ---- | 0.112 | + 0.014 | .4197 | ---- | ---- | ---- | ---- | 17 UNCH |
| 3150 | ---- | ---- | 0.100B/---- | 0.100B/---- | ---- | 0.095 | + 0.013 | .3731 | ---- | ---- | ---- | ---- | 148 UNCH |
| 3200 | ---- | ---- | 0.090B/---- | 0.090B/---- | ---- | 0.081 | + 0.012 | .3305 | ---- | ---- | ---- | ---- | 156 UNCH |
| 3250 | ---- | ---- | 0.070B/---- | 0.070B/---- | ---- | 0.068 | + 0.011 | .2897 | ---- | ---- | ---- | ---- | 126 UNCH |
| 3300 | ---- | ---- | 0.060B/---- | 0.060B/---- | ---- | 0.056 | + 0.008 | .2505 | ---- | ---- | ---- | ---- | 11 UNCH |
| 3350 | ---- | ---- | 0.050B/---- | 0.050B/---- | ---- | 0.047 | + 0.008 | .2175 | ---- | ---- | ---- | ---- | 7 UNCH |
| 3400 | ---- | ---- | 0.040B/---- | 0.040B/---- | ---- | 0.039 | + 0.007 | .1871 | ---- | ---- | ---- | ---- | 8 UNCH |
| 3450 | ---- | ---- | 0.030B/---- | 0.030B/---- | ---- | 0.032 | + 0.005 | .1594 | ---- | ---- | ---- | ---- | 108 UNCH |
| 3500 | ---- | ---- | 0.030B/---- | 0.030B/---- | ---- | 0.026 | + 0.004 | .1345 | ---- | ---- | ---- | ---- | 178 UNCH |
| 3550 | ---- | ---- | 0.020B/---- | 0.020B/---- | ---- | 0.022 | + 0.004 | .1160 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3600 | 0.020 | 0.020 | 0.020/0.020A | 0.020/0.020A | ---- | 0.018 | + 0.003 | .0978 | ---- | ---- | 5 | ---- | 47 - 5 |
| 3650 | 0.020 | 0.020 | 0.020/0.010A | 0.020/0.010A | ---- | 0.015 | + 0.003 | .0832 | ---- | ---- | 5 | ---- | 7 - 5 |
| 3750 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.010 | + 0.002 | .0584 | ---- | ---- | ---- | ---- | 5 UNCH |
| 3850 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.007 | + 0.001 | .0421 | ---- | ---- | ---- | ---- | 156 UNCH |
| 3900 | ---- | ---- | 0.010B/---- | 0.010B/---- | ---- | 0.006 | + 0.001 | .0364 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.004 | UNCH | .0252 | ---- | ---- | ---- | ---- | 62 UNCH |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.002 | UNCH | .0131 | ---- | ---- | ---- | ---- | 406 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0065 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0023 | ---- | ---- | ---- | ---- | 3 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0008 | ---- | ---- | ---- | ---- | 11 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | 10 | | 1677 - 10 |
| DEC18 | | | | | | | | | | | | | |
| 2900 | ---- | ---- | 0.320B/---- | 0.320B/---- | ---- | 0.308 | + 0.020 | .6874 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2950 | ---- | ---- | 0.290B/---- | 0.290B/---- | ---- | 0.278 | + 0.019 | .6490 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | 0.260B/---- | 0.260B/---- | ---- | 0.250 | + 0.017 | .6098 | ---- | ---- | ---- | ---- | 45 UNCH |
| 3050 | ---- | ---- | 0.240B/---- | 0.240B/---- | ---- | 0.224 | + 0.016 | .5703 | ---- | ---- | ---- | ---- | 29 UNCH |
| 3100 | ---- | ---- | 0.210B/---- | 0.210B/---- | ---- | 0.201 | + 0.016 | .5309 | ---- | ---- | ---- | ---- | 47 UNCH |
| 3150 | ---- | ---- | 0.190B/---- | 0.190B/---- | ---- | 0.179 | + 0.014 | .4919 | ---- | ---- | ---- | ---- | 22 UNCH |
| 3250 | ---- | ---- | 0.150B/---- | 0.150B/---- | ---- | 0.141 | + 0.012 | .4169 | ---- | ---- | ---- | ---- | 35 UNCH |
| 3300 | 0.130 | 0.130 | 0.130B/0.130 | 0.130B/0.130 | ---- | 0.125 | + 0.011 | .3818 | ---- | ---- | 1 | ---- | 25 + 1 |
| 3350 | ---- | ---- | 0.120B/---- | 0.120B/---- | ---- | 0.110 | + 0.010 | .3478 | ---- | ---- | ---- | ---- | 40 UNCH |
| 3400 | ---- | ---- | 0.100B/---- | 0.100B/---- | ---- | 0.097 | + 0.009 | .3161 | ---- | ---- | ---- | ---- | 14 UNCH |
| 3450 | ---- | ---- | 0.090B/---- | 0.090B/---- | ---- | 0.085 | + 0.008 | .2859 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | 0.080B/---- | 0.080B/---- | ---- | 0.075 | + 0.007 | .2588 | ---- | ---- | ---- | ---- | 39 UNCH |
| 3550 | ---- | ---- | 0.070B/---- | 0.070B/---- | ---- | 0.065 | + 0.006 | .2318 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3600 | ---- | ---- | 0.060B/---- | 0.060B/---- | ---- | 0.057 | + 0.005 | .2083 | ---- | ---- | ---- | ---- | 59 UNCH |
| 3650 | ---- | ---- | 0.050B/---- | 0.050B/---- | ---- | 0.050 | + 0.005 | .1869 | ---- | ---- | ---- | ---- | 30 UNCH |
| 3700 | 0.040 | 0.040 | 0.050/0.040A | 0.050/0.040A | ---- | 0.044 | + 0.004 | .1678 | ---- | ---- | 20 | ---- | 82 + 20 |
| 3750 | 0.040 | 0.040 | 0.040B/0.040 | 0.040B/0.040 | ---- | 0.038 | + 0.003 | .1489 | ---- | ---- | 11 | ---- | 33 + 11 |
| 3800 | 0.040 | 0.040 | 0.040/0.030A | 0.040/0.030A | ---- | 0.033 | + 0.003 | .1323 | ---- | ---- | 3 | ---- | 80 + 3 |
| 3850 | ---- | ---- | 0.030B/---- | 0.030B/---- | ---- | 0.029 | + 0.003 | .1182 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3900 | ---- | ---- | 0.030B/---- | 0.030B/---- | ---- | 0.025 | + 0.002 | .1043 | ---- | ---- | ---- | ---- | 37 UNCH |
| 4000 | 0.020 | 0.020 | 0.020/0.020A | 0.020/0.020A | ---- | 0.019 | + 0.001 | .0821 | ---- | ---- | 4 | ---- | 184 + 3 |
| 4050 | ---- | ---- | 0.020B/---- | 0.020B/---- | ---- | 0.017 | + 0.002 | .0740 | ---- | ---- | ---- | ---- | 8 UNCH |
| 4200 | 0.010 | 0.010 | 0.010/0.010 | 0.010/0.010 | ---- | 0.012 | + 0.001 | .0537 | ---- | ---- | 2 | ---- | 23 + 2 |
| 4400 | ---- | ---- | ---- | ---- | ---- | 0.007 | UNCH | .0330 | ---- | ---- | ---- | ---- | 10 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.006 | + 0.001 | .0282 | ---- | ---- | ---- | ---- | 340 UNCH |
| 4650 | ---- | ---- | ---- | ---- | ---- | 0.004 | UNCH | .0194 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4750 | ---- | ---- | ---- | ---- | ---- | 0.003 | UNCH | .0149 | ---- | ---- | 12 | ---- | 44 + 12 |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.003 | UNCH | .0147 | ---- | ---- | ---- | ---- | 9 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.002 | UNCH | .0099 | ---- | ---- | ---- | ---- | 304 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH | .0049 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | 53 | | 1576 + 52 |
| JAN19 | | | | | | | | | | | | | |

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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON CALL | | NYMEX NATURAL GAS OPTIONS (PHY) | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | #0.350B/---- | #0.350B/---- | ---- | 0.344 + 0.018 | .6528 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3050 | ---- | ---- | #0.320B/---- | #0.320B/---- | ---- | 0.317 + 0.017 | .6214 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3100 | ---- | ---- | 0.300B/---- | 0.300B/---- | ---- | 0.292 + 0.016 | .5899 | ---- | ---- | ---- | ---- | 118 UNCH |
| 3150 | ---- | ---- | 0.270B/---- | 0.270B/---- | ---- | 0.269 + 0.015 | .5586 | ---- | ---- | ---- | ---- | 80 UNCH |
| 3200 | ---- | ---- | 0.260B/---- | 0.260B/---- | ---- | 0.247 + 0.014 | .5277 | ---- | ---- | ---- | ---- | 9 UNCH |
| 3250 | ---- | ---- | 0.230B/---- | 0.230B/---- | ---- | 0.227 + 0.013 | .4976 | ---- | ---- | ---- | ---- | 17 UNCH |
| 3300 | ---- | ---- | 0.220B/---- | 0.220B/---- | ---- | 0.209 + 0.013 | .4686 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3350 | ---- | ---- | 0.200B/---- | 0.200B/---- | ---- | 0.191 + 0.011 | .4398 | ---- | ---- | ---- | ---- | 13 UNCH |
| 3500 | ---- | ---- | 0.150B/---- | 0.150B/---- | ---- | 0.147 + 0.009 | .3613 | ---- | ---- | ---- | ---- | 14 UNCH |
| 3600 | ---- | ---- | 0.130B/---- | 0.130B/---- | ---- | 0.124 + 0.009 | .3156 | ---- | ---- | ---- | ---- | 5 UNCH |
| 3750 | ---- | ---- | 0.100B/---- | 0.100B/---- | ---- | 0.095 + 0.007 | .2550 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3900 | ---- | ---- | 0.070B/---- | 0.070B/---- | ---- | 0.073 + 0.006 | .2049 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4000 | 0.060 | 0.060 | 0.060/0.060 | 0.060/0.060 | ---- | 0.061 + 0.005 | .1763 | ---- | ---- | 54 | ---- | 131 + 54 |
| 4500 | 0.030 | 0.030 | 0.030B/0.030 | 0.030B/0.030 | ---- | 0.026 + 0.002 | .0834 | ---- | ---- | 2 | ---- | 25 + 2 |
| 4600 | ---- | ---- | 0.020B/---- | 0.020B/---- | ---- | 0.023 + 0.002 | .0740 | ---- | ---- | ---- | ---- | 358 UNCH |
| 4750 | ---- | ---- | #0.020B/---- | #0.020B/---- | ---- | 0.018 + 0.002 | .0593 | ---- | ---- | ---- | ---- | 30 UNCH |
| 4900 | ---- | ---- | ---- | ---- | ---- | 0.014 + 0.001 | .0473 | ---- | ---- | ---- | ---- | 294 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.012 + 0.001 | .0410 | ---- | ---- | ---- | ---- | 110 UNCH |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.009 + 0.001 | .0309 | ---- | ---- | ---- | ---- | 60 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.006 UNCH | .0213 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 56 | | 1292 + 56 |
| FEB19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | 0.380B/---- | 0.380B/---- | ---- | 0.380 + 0.018 | .6218 | ---- | ---- | ---- | ---- | 13 UNCH |
| 3050 | ---- | ---- | 0.360B/---- | 0.360B/---- | ---- | 0.357 + 0.017 | .5963 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3100 | ---- | ---- | 0.340B/---- | 0.340B/---- | ---- | 0.335 + 0.016 | .5711 | ---- | ---- | ---- | ---- | 49 UNCH |
| 3200 | ---- | ---- | 0.300B/---- | 0.300B/---- | ---- | 0.296 + 0.015 | .5226 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.278 + 0.014 | .4993 | ---- | ---- | ---- | ---- | 78 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.262 + 0.014 | .4770 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.206 + 0.011 | .3954 | ---- | ---- | ---- | ---- | 5 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.183 + 0.010 | .3594 | ---- | ---- | ---- | ---- | 8 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.154 + 0.008 | .3116 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.130 + 0.007 | .2700 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4000 | 0.110 | 0.110 | 0.120/*0.110 | 0.120/*0.110 | ---- | 0.117 + 0.007 | .2463 | ---- | ---- | 4 | ---- | 302 + 2 |
| 4200 | ---- | ---- | ---- | ---- | ---- | 0.094 + 0.006 | .2038 | ---- | ---- | ---- | ---- | 6 UNCH |
| 4300 | ---- | ---- | 0.080B/---- | 0.080B/---- | ---- | 0.084 + 0.005 | .1850 | ---- | ---- | ---- | ---- | 21 UNCH |
| 4500 | 0.070 | 0.070 | 0.070/0.070 | 0.070/0.070 | ---- | 0.068 + 0.004 | .1535 | ---- | ---- | 5 | ---- | 110 + 5 |
| 4750 | 0.050 | 0.050 | 0.050/0.050 | 0.050/0.050 | ---- | 0.053 + 0.003 | .1226 | ---- | ---- | 13 | ---- | 32 + 13 |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.050 + 0.003 | .1166 | ---- | ---- | ---- | ---- | 21 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.041 + 0.002 | .0974 | ---- | ---- | ---- | ---- | 6 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.026 + 0.002 | .0639 | ---- | ---- | ---- | ---- | 5 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.021 + 0.002 | .0524 | ---- | ---- | ---- | ---- | 21 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.017 + 0.002 | .0430 | ---- | ---- | ---- | ---- | 215 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.011 + 0.001 | .0287 | ---- | ---- | ---- | ---- | 1 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.007 UNCH | .0189 | ---- | ---- | ---- | ---- | 36 UNCH |
| TOTAL | | | | | | | | | | 22 | | 956 + 20 |
| MAR19 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.399 + 0.018 | .6227 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2950 | ---- | ---- | 0.380B/---- | 0.380B/---- | ---- | 0.377 + 0.018 | .5988 | ---- | ---- | ---- | ---- | 18 UNCH |
| 3000 | ---- | ---- | 0.360B/---- | 0.360B/---- | ---- | 0.356 + 0.017 | .5753 | ---- | ---- | ---- | ---- | 36 UNCH |
| 3050 | ---- | ---- | 0.340B/---- | 0.340B/---- | ---- | 0.336 + 0.016 | .5523 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3100 | ---- | ---- | 0.320B/---- | 0.320B/---- | ---- | 0.317 + 0.015 | .5298 | ---- | ---- | ---- | ---- | 9 UNCH |
| 3200 | ---- | ---- | 0.290B/---- | 0.290B/---- | ---- | 0.283 + 0.014 | .4870 | ---- | ---- | ---- | ---- | 62 UNCH |
| 3250 | ---- | ---- | 0.270B/---- | 0.270B/---- | ---- | 0.268 + 0.013 | .4668 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3300 | ---- | ---- | 0.260B/---- | 0.260B/---- | ---- | 0.253 + 0.012 | .4469 | ---- | ---- | ---- | ---- | 5 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.204 + 0.010 | .3761 | ---- | ---- | ---- | ---- | 7 UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.184 + 0.010 | .3452 | ---- | ---- | ---- | ---- | 11 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.158 + 0.009 | .3036 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.136 + 0.008 | .2672 | ---- | ---- | ---- | ---- | 1 UNCH |
| 4000 | 0.120 | 0.120 | #0.120/0.120 | #0.120/0.120 | ---- | 0.123 + 0.007 | .2452 | ---- | ---- | 1 | ---- | 77 + 1 |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.077 + 0.005 | .1623 | ---- | ---- | ---- | ---- | 8 UNCH |
| 4750 | 0.060 | 0.060 | 0.060/0.060 | 0.060/0.060 | ---- | 0.061 + 0.004 | .1320 | ---- | ---- | 10 | ---- | 2108 + 10 |
| 4800 | ---- | ---- | ---- | ---- | ---- | 0.059 + 0.004 | .1278 | ---- | ---- | ---- | ---- | 35 UNCH |
| 5000 | 0.040 | 0.040 | 0.050/0.040 | 0.050/0.040 | ---- | 0.049 + 0.003 | .1084 | ---- | ---- | 26 | ---- | 5976 + 26 |
| 5250 | ---- | ---- | ---- | ---- | ---- | 0.040 + 0.003 | .0899 | ---- | ---- | ---- | ---- | 2973 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.032 + 0.002 | .0736 | ---- | ---- | ---- | ---- | 368 UNCH |
| 5750 | ---- | ---- | ---- | ---- | ---- | 0.026 + 0.001 | .0608 | ---- | ---- | ---- | ---- | 316 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.022 + 0.002 | .0518 | ---- | ---- | ---- | ---- | 333 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.011 + 0.001 | .0270 | ---- | ---- | ---- | ---- | 35 UNCH |
| TOTAL | | | | | | | | | | 37 | | 12387 + 37 |
| APR19 | | | | | | | | | | | | |
| 2700 | ---- | ---- | 0.190B/---- | 0.190B/---- | ---- | 0.193 + 0.013 | .5321 | ---- | ---- | ---- | ---- | 47 UNCH |
| 2750 | ---- | ---- | 0.160B/---- | 0.160B/---- | ---- | 0.170 + 0.012 | .4914 | ---- | ---- | ---- | ---- | 11 UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.019 + 0.002 | .0892 | ---- | ---- | ---- | ---- | 30 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.009 + 0.001 | .0460 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.003 UNCH | .0161 | ---- | ---- | ---- | ---- | 5118 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.003 + 0.001 | .0148 | ---- | ---- | ---- | ---- | 251 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0047 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 5460 |
| MAY19 | | | | | | | | | | | | |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.215 + 0.014 | .5827 | ---- | ---- | ---- | ---- | 9 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.190 + 0.013 | .5402 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.167 + 0.012 | .4979 | ---- | ---- | ---- | ---- | 9 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.007 + 0.001 | .0377 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.003 UNCH | .0159 | ---- | ---- | ---- | ---- | 86 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0047 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 117 |
| JUN19 | | | | | | | | | | | | |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.239 + 0.013 | .6035 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.213 + 0.013 | .5632 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.188 + 0.012 | .5226 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.010 + 0.002 | .0495 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.003 UNCH | .0161 | ---- | ---- | ---- | ---- | 86 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0047 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 101 |
| JUL19 | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.207 + 0.011 | .5479 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.184 + 0.011 | .5084 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.011 + 0.001 | .0537 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.004 UNCH | .0203 | ---- | ---- | ---- | ---- | 86 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.002 + 0.001 | .0085 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 94 |
| AUG19 | | | | | | | | | | | | |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.013 + 0.001 | .0607 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.005 + 0.001 | .0242 | ---- | ---- | ---- | ---- | 86 UNCH |
| TOTAL | | | | | | | | | | | | 88 |
| SEP19 | | | | | | | | | | | | |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.015 + 0.002 | .0666 | ---- | ---- | ---- | ---- | 2 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.005 UNCH | .0241 | ---- | ---- | ---- | ---- | 86 UNCH |
| TOTAL | | | | | | | | | | | | 88 |
| OCT19 | | | | | | | | | | | | |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.046 + 0.004 | .1728 | ---- | ---- | ---- | ---- | 8 UNCH |
| 4250 | ---- | ---- | ---- | ---- | ---- | 0.006 + 0.001 | .0279 | ---- | ---- | ---- | ---- | 24 UNCH |
| TOTAL | | | | | | | | | | | | 32 |
| NOV19 | | | | | | | | | | | | |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.058 + 0.003 | .2028 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | | | 3 |
| DEC19 | | | | | | | | | | | | |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON CALL | | NYMEX NATURAL GAS OPTIONS (PHY) | | | | | | | | | | |
| DEC19 | | | | | | | | | | | | |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.100 + 0.004 | .2864 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | | | 3 |
| ON PUT | | NYMEX NATURAL GAS OPTIONS (PHY) | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.011 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.061 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3050 | ---- | ---- | ---- | ---- | ---- | 0.111 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.161 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.211 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.261 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.311 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.361 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| AUG18 | | | | | | | | | | | | |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 6 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 20 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 144 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 364 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0002 | ---- | ---- | ---- | ---- | 253 UNCH |
| 2450 | 0.000 | 0.000 | 0.000/0.000 | 0.000/0.000 | ---- | 0.001 UNCH | .0007 | ---- | ---- | 2 | ---- | 56 + 2 |
| 2500 | 0.000 | 0.000 | 0.000/0.000 | 0.000/0.000 | ---- | 0.001 UNCH | .0022 | ---- | ---- | 1 | ---- | 785 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0057 | ---- | ---- | ---- | ---- | 380 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0133 | ---- | ---- | 29 | ---- | 655 - 21 |
| 2650 | ---- | ---- | ----/*0.000A | ----/*0.000A | ---- | 0.003 - 0.001 | .0344 | ---- | ---- | 50 | ---- | 702 - 30 |
| 2700 | 0.010 | 0.010 | 0.010/*0.010 | 0.010/*0.010 | ---- | 0.005 - 0.003 | .0559 | ---- | ---- | 61 | ---- | 462 + 28 |
| 2750 | 0.010 | 0.010 | 0.010B/*0.010 | 0.010B/*0.010 | ---- | 0.009 - 0.005 | .0941 | ---- | ---- | 125 | ---- | 2410 + 106 |
| 2800 | 0.020 | 0.020 | 0.020/*0.010A | 0.020/*0.010A | ---- | 0.016 - 0.008 | .1520 | ---- | ---- | 798 | ---- | 3524 - 14 |
| 2850 | 0.030 | 0.030 | 0.030B/*0.020A | 0.030B/*0.020A | ---- | 0.026 - 0.013 | .2259 | ---- | ---- | 101 | ---- | 1914 + 68 |
| 2900 | 0.060 | 0.060 | 0.060/*0.040 | 0.060/*0.040 | ---- | 0.041 - 0.017 | .3185 | ---- | ---- | 605 | ---- | 1319 + 277 |
| 2950 | 0.060 | 0.060 | 0.070B/*0.050 | 0.070B/*0.050 | ---- | 0.060 - 0.023 | .4208 | ---- | ---- | 173 | ---- | 449 + 82 |
| 3000 | 0.090 | 0.090 | 0.100B/0.080A | 0.100B/0.080A | ---- | 0.085 - 0.029 | .5285 | ---- | ---- | 77 | ---- | 250 + 28 |
| 3050 | 0.110 | 0.110 | 0.130B/0.110A | 0.130B/0.110A | ---- | 0.115 - 0.034 | .6329 | ---- | ---- | 15 | ---- | 95 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.150 - 0.038 | .7267 | ---- | ---- | 20 | ---- | 48 + 20 |
| 3150 | ---- | ---- | ----/0.180A | ----/0.180A | ---- | 0.189 - 0.042 | .8062 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3200 | ---- | ---- | ----/0.220A | ----/0.220A | ---- | 0.232 - 0.045 | .8654 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3250 | ---- | ---- | ----/0.260A | ----/0.260A | ---- | 0.277 - 0.047 | .9111 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3300 | 0.340 | 0.340 | 0.350B/0.310A | 0.350B/0.310A | ---- | 0.324 - 0.048 | .9417 | ---- | ---- | 2 | ---- | 3 + 2 |
| 3350 | ---- | ---- | ---- | ---- | ---- | 0.372 - 0.049 | .9632 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | 2059 | | 13856 + 548 |
| SEP18 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 21 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 7 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0005 | ---- | ---- | ---- | ---- | 241 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0012 | ---- | ---- | ---- | ---- | 131 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0026 | ---- | ---- | ---- | ---- | 49 UNCH |
| 2350 | 0.000 | 0.000 | 0.000/*0.000 | 0.000/*0.000 | ---- | 0.001 UNCH | .0053 | ---- | ---- | 2 | ---- | 1243 - 2 |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0100 | ---- | ---- | ---- | ---- | 63 UNCH |
| 2450 | 0.000 | 0.000 | 0.000/*0.000 | 0.000/*0.000 | ---- | 0.002 UNCH | .0187 | ---- | ---- | 12 | ---- | 38 - 2 |
| 2500 | 0.000 | 0.000 | 0.000/*0.000 | 0.000/*0.000 | ---- | 0.003 - 0.001 | .0277 | ---- | ---- | 27 | ---- | 263 + 24 |
| 2550 | 0.010 | 0.010 | 0.010B/*0.010 | 0.010B/*0.010 | ---- | 0.005 - 0.002 | .0438 | ---- | ---- | 500 | ---- | 572 - 500 |
| 2600 | 0.010 | 0.010 | 0.010B/*0.010 | 0.010B/*0.010 | ---- | 0.008 - 0.003 | .0665 | ---- | ---- | 40 | ---- | 720 + 24 |
| 2650 | ---- | ---- | ----/*0.010A | ----/*0.010A | ---- | 0.013 - 0.005 | .1002 | ---- | ---- | ---- | ---- | 822 UNCH |
| 2700 | 0.020 | 0.020 | 0.020B/*0.020A | 0.020B/*0.020A | ---- | 0.020 - 0.007 | .1430 | ---- | ---- | 164 | ---- | 891 + 160 |
| 2750 | 0.030 | 0.030 | 0.040B/*0.030 | 0.040B/*0.030 | ---- | 0.030 - 0.010 | .1971 | ---- | ---- | 619 | ---- | 579 + 334 |
| 2800 | 0.040 | 0.040 | 0.050B/*0.040 | 0.050B/*0.040 | ---- | 0.043 - 0.013 | .2596 | ---- | ---- | 390 | ---- | 418 + 196 |
| 2850 | 0.060 | 0.060 | 0.060B/*0.060A | 0.060B/*0.060A | ---- | 0.059 - 0.017 | .3288 | ---- | ---- | 268 | ---- | 378 + 93 |
| 2900 | ---- | ---- | ----/0.080A | ----/0.080A | ---- | 0.080 - 0.020 | .4043 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2950 | ---- | ---- | ----/0.100A | ----/0.100A | ---- | 0.104 - 0.023 | .4809 | ---- | ---- | 258 | ---- | 380 + 258 |
| 3000 | 0.140 | 0.140 | 0.140B/0.130A | 0.140B/0.130A | ---- | 0.132 - 0.027 | .5565 | ---- | ---- | 25 | ---- | 34 UNCH |
| 3150 | ---- | ---- | ----/0.230A | ----/0.230A | ---- | 0.236 - 0.035 | .7524 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3200 | ---- | ---- | ----/0.270A | ----/0.270A | ---- | 0.277 - 0.037 | .8049 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3250 | ---- | ---- | ----/0.310A | ----/0.310A | ---- | 0.319 - 0.039 | .8465 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3300 | ---- | ---- | ----/0.350A | ----/0.350A | ---- | 0.363 - 0.040 | .8836 | ---- | ---- | ---- | ---- | 8 UNCH |
| 3350 | ---- | ---- | ----/0.400A | ----/0.400A | ---- | 0.409 - 0.041 | .9110 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | 2305 | | 6889 + 585 |
| OCT18 | | | | | | | | | | | | |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0006 | ---- | ---- | ---- | ---- | 8 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0013 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0026 | ---- | ---- | 201 | ---- | 226 + 172 |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0049 | ---- | ---- | ---- | ---- | 333 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0087 | ---- | ---- | ---- | ---- | 41 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.002 - 0.001 | .0160 | ---- | ---- | ---- | ---- | 87 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.003 - 0.001 | .0234 | ---- | ---- | ---- | ---- | 109 UNCH |
| 2450 | ---- | ---- | ----/*0.010A | ----/*0.010A | ---- | 0.005 - 0.002 | .0367 | ---- | ---- | ---- | ---- | 62 UNCH |
| 2500 | 0.010 | 0.010 | 0.010B/*0.010 | 0.010B/*0.010 | ---- | 0.008 - 0.003 | .0550 | ---- | ---- | 211 | ---- | 393 + 157 |
| 2550 | 0.010 | 0.010 | 0.010B/*0.010 | 0.010B/*0.010 | ---- | 0.012 - 0.004 | .0780 | ---- | ---- | 5 | ---- | 594 + 5 |
| 2600 | 0.020 | 0.020 | 0.020/*0.020 | 0.020/*0.020 | ---- | 0.017 - 0.006 | .1054 | ---- | ---- | 1 | ---- | 1100 + 1 |
| 2650 | ---- | ---- | ----/*0.020A | ----/*0.020A | ---- | 0.025 - 0.007 | .1435 | ---- | ---- | ---- | ---- | 91 UNCH |
| 2700 | 0.030 | 0.030 | 0.040B/*0.030 | 0.040B/*0.030 | ---- | 0.034 - 0.010 | .1847 | ---- | ---- | 11 | ---- | 107 UNCH |
| 2750 | ---- | ---- | ----/*0.040A | ----/*0.040A | ---- | 0.047 - 0.011 | .2356 | ---- | ---- | ---- | ---- | 323 UNCH |
| 2800 | 0.060 | 0.060 | 0.070B/0.060A | 0.070B/0.060A | ---- | 0.062 - 0.014 | .2900 | ---- | ---- | 2 | ---- | 344 UNCH |
| 2850 | ---- | ---- | ----/0.080A | ----/0.080A | ---- | 0.080 - 0.016 | .3485 | ---- | ---- | ---- | ---- | 221 UNCH |
| 2900 | ---- | ---- | ----/0.100A | ----/0.100A | ---- | 0.101 - 0.019 | .4097 | ---- | ---- | ---- | ---- | 24 UNCH |
| 2950 | ---- | ---- | ----/0.120A | ----/0.120A | ---- | 0.125 - 0.022 | .4722 | ---- | ---- | ---- | ---- | 30 UNCH |
| 3000 | ---- | ---- | ----/0.150A | ----/0.150A | ---- | 0.153 - 0.024 | .5340 | ---- | ---- | ---- | ---- | 38 UNCH |
| 3150 | ---- | ---- | ----/0.240A | ----/0.240A | ---- | 0.252 - 0.032 | .7024 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3300 | ---- | ---- | ----/*0.360A | ----/*0.360A | ---- | 0.373 - 0.036 | .8281 | ---- | ---- | ---- | ---- | 2 UNCH |
| 3350 | ---- | ---- | ----/0.400A | ----/0.400A | ---- | 0.416 - 0.038 | .8585 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3400 | ---- | ---- | ----/0.450A | ----/0.450A | ---- | 0.461 - 0.038 | .8850 | ---- | ---- | ---- | ---- | 7 UNCH |
| 3450 | ---- | ---- | ----/0.490A | ----/0.490A | ---- | 0.507 - 0.039 | .9073 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | ---- | ---- | ----/0.540A | ----/0.540A | ---- | 0.554 - 0.040 | .9250 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 431 | | 4154 + 335 |
| NOV18 | | | | | | | | | | | | |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.002 UNCH | .0125 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.002 - 0.001 | .0133 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2300 | ---- | ---- | ----/*0.000A | ----/*0.000A | ---- | 0.003 - 0.002 | .0193 | ---- | ---- | ---- | ---- | 160 UNCH |
| 2350 | ---- | ---- | ----/*0.010A | ----/*0.010A | ---- | 0.005 - 0.002 | .0301 | ---- | ---- | ---- | ---- | 14 UNCH |
| 2400 | ---- | ---- | ----/*0.010A | ----/*0.010A | ---- | 0.007 - 0.002 | .0408 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2450 | ---- | ---- | ----/*0.010A | ----/*0.010A | ---- | 0.010 - 0.003 | .0558 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2500 | ---- | ---- | ----/*0.010A | ----/*0.010A | ---- | 0.014 - 0.004 | .0746 | ---- | ---- | ---- | ---- | 84 UNCH |
| 2550 | ---- | ---- | ----/*0.020A | ----/*0.020A | ---- | 0.020 - 0.005 | .0999 | ---- | ---- | ---- | ---- | 21 UNCH |
| 2600 | 0.030 | 0.030 | 0.030B/*0.030 | 0.030B/*0.030 | ---- | 0.027 - 0.006 | .1279 | ---- | ---- | 7 | ---- | 180 UNCH |
| 2650 | 0.040 | 0.040 | 0.040B/*0.030A | 0.040B/*0.030A | ---- | 0.035 - 0.008 | .1589 | ---- | ---- | 7 | ---- | 158 - 7 |
| 2700 | 0.050 | 0.050 | 0.050B/*0.040A | 0.050B/*0.040A | ---- | 0.046 - 0.009 | .1966 | ---- | ---- | 7 | ---- | 77 UNCH |
| 2750 | ---- | ---- | ----/*0.060A | ----/*0.060A | ---- | 0.059 - 0.011 | .2380 | ---- | ---- | ---- | ---- | 26 UNCH |
| 2800 | ---- | ---- | ----/0.070A | ----/0.070A | ---- | 0.074 - 0.013 | .2823 | ---- | ---- | ---- | ---- | 379 UNCH |
| 2850 | ---- | ---- | ----/0.090A | ----/0.090A | ---- | 0.092 - 0.014 | .3301 | ---- | ---- | ---- | ---- | 38 UNCH |
| 2900 | ---- | ---- | ----/0.110A | ----/0.110A | ---- | 0.112 - 0.016 | .3794 | ---- | ---- | ---- | ---- | 13 UNCH |
| 2950 | ---- | ---- | ----/0.130A | ----/0.130A | ---- | 0.135 - 0.018 | .4301 | ---- | ---- | ---- | ---- | 15 UNCH |
| 3000 | ---- | ---- | ----/0.150A | ----/0.150A | ---- | 0.161 - 0.020 | .4809 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3050 | ---- | ---- | ----/0.180A | ----/0.180A | ---- | 0.189 - 0.022 | .5310 | ---- | ---- | ---- | ---- | 12 UNCH |
| 3100 | ---- | ---- | ----/0.210A | ----/0.210A | ---- | 0.219 - 0.024 | .5802 | ---- | ---- | ---- | ---- | 14 UNCH |
| TOTAL | | | | | | | | | | 21 | | 1311 - 7 |
| DEC18 | | | | | | | | | | | | |
| 2300 | ---- | ---- | ----/0.010A | ----/0.010A | ---- | 0.008 - 0.001 | .0349 | ---- | ---- | ---- | ---- | 12 UNCH |
| 2400 | ---- | ---- | ----/0.010A | ----/0.010A | ---- | 0.013 - 0.003 | .0544 | ---- | ---- | ---- | ---- | 70 UNCH |
| 2450 | ---- | ---- | ----/*0.020A | ----/*0.020A | ---- | 0.017 - 0.004 | .0686 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2500 | ---- | ---- | ----/0.020A | ----/0.020A | ---- | 0.022 - 0.004 | .0854 | ---- | ---- | ---- | ---- | 186 UNCH |
| 2550 | ---- | ---- | ----/*0.030A | ----/*0.030A | ---- | 0.027 - 0.006 | .1026 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2600 | ---- | ---- | ----/0.030A | ----/0.030A | ---- | 0.034 - 0.007 | .1244 | ---- | ---- | ---- | ---- | 102 UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS



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**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ON PUT | | NYMEX NATURAL GAS OPTIONS (PHY) | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 2650 | ---- | ---- | ----/0.040A | ----/0.040A | ---- | 0.043 - 0.007 | .1502 | ---- | ---- | ---- | ---- | 145 UNCH |
| 2700 | ---- | ---- | ----/0.050A | ----/0.050A | ---- | 0.053 - 0.009 | .1778 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2750 | ---- | ---- | ----/0.060A | ----/0.060A | ---- | 0.065 - 0.009 | .2084 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2800 | ---- | ---- | ----/0.080A | ----/0.080A | ---- | 0.078 - 0.011 | .2406 | ---- | ---- | ---- | ---- | 13 UNCH |
| 2850 | ---- | ---- | ----/0.090A | ----/0.090A | ---- | 0.094 - 0.012 | .2761 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2900 | ---- | ---- | ----/0.110A | ----/0.110A | ---- | 0.111 - 0.014 | .3125 | ---- | ---- | ---- | ---- | 288 UNCH |
| 2950 | ---- | ---- | ----/0.130A | ----/0.130A | ---- | 0.131 - 0.015 | .3509 | ---- | ---- | ---- | ---- | 16 UNCH |
| 3000 | ---- | ---- | ----/0.150A | ----/0.150A | ---- | 0.153 - 0.016 | .3901 | ---- | ---- | ---- | ---- | 21 UNCH |
| 3050 | ---- | ---- | ----/0.170A | ----/0.170A | ---- | 0.177 - 0.017 | .4296 | ---- | ---- | ---- | ---- | 21 UNCH |
| 3100 | ---- | ---- | ----/0.200A | ----/0.200A | ---- | 0.203 - 0.018 | .4690 | ---- | ---- | ---- | ---- | 8 UNCH |
| 3150 | ---- | ---- | ----/0.230A | ----/0.230A | ---- | 0.230 - 0.020 | .5080 | ---- | ---- | ---- | ---- | 7 UNCH |
| 3250 | ---- | ---- | ----/0.290A | ----/0.290A | ---- | 0.292 - 0.022 | .5830 | ---- | ---- | ---- | ---- | 19 UNCH |
| 3400 | ---- | ---- | ----/0.390A | ----/0.390A | ---- | 0.397 - 0.025 | .6838 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1016 |
| JAN19 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.011 - 0.002 | .0380 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.014 - 0.002 | .0470 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2500 | ---- | ---- | ----/*0.030A | ----/*0.030A | ---- | 0.032 - 0.003 | .0969 | ---- | ---- | ---- | ---- | 62 UNCH |
| 2600 | ---- | ---- | ----/0.050A | ----/0.050A | ---- | 0.046 - 0.004 | .1320 | ---- | ---- | ---- | ---- | 8 UNCH |
| 2700 | ---- | ---- | ----/0.070A | ----/0.070A | ---- | 0.066 - 0.006 | .1764 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2750 | ---- | ---- | ----/0.080A | ----/0.080A | ---- | 0.078 - 0.007 | .2012 | ---- | ---- | ---- | ---- | 7 UNCH |
| 2800 | ---- | ---- | ----/0.090A | ----/0.090A | ---- | 0.092 - 0.008 | .2281 | ---- | ---- | ---- | ---- | 9 UNCH |
| 2900 | ---- | ---- | ----/0.120A | ----/0.120A | ---- | 0.125 - 0.010 | .2857 | ---- | ---- | ---- | ---- | 278 UNCH |
| 3000 | ---- | ---- | ----/0.160A | ----/0.160A | ---- | 0.165 - 0.013 | .3471 | ---- | ---- | ---- | ---- | 109 UNCH |
| 3050 | ---- | ---- | ----/0.180A | ----/0.180A | ---- | 0.188 - 0.014 | .3785 | ---- | ---- | ---- | ---- | 10 UNCH |
| 3100 | ---- | ---- | ----/0.210A | ----/0.210A | ---- | 0.213 - 0.015 | .4100 | ---- | ---- | ---- | ---- | 66 UNCH |
| 3250 | ---- | ---- | ----/0.290A | ----/0.290A | ---- | 0.297 - 0.017 | .5023 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 579 |
| FEB19 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.024 - 0.002 | .0654 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.061 - 0.004 | .1413 | ---- | ---- | ---- | ---- | 62 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.084 - 0.005 | .1815 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.130 - 0.007 | .2509 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.149 - 0.007 | .2759 | ---- | ---- | ---- | ---- | 143 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.191 - 0.009 | .3268 | ---- | ---- | ---- | ---- | 3 UNCH |
| 3000 | ---- | ---- | ----/0.240A | ----/0.240A | ---- | 0.239 - 0.011 | .3781 | ---- | ---- | ---- | ---- | 11 UNCH |
| 3100 | ---- | ---- | ----/0.290A | ----/0.290A | ---- | 0.293 - 0.013 | .4288 | ---- | ---- | ---- | ---- | 31 UNCH |
| TOTAL | | | | | | | | | | | | 275 |
| MAR19 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.015 - 0.001 | .0415 | ---- | ---- | ---- | ---- | 44 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.019 - 0.001 | .0508 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.028 - 0.002 | .0711 | ---- | ---- | ---- | ---- | 60 UNCH |
| 2200 | ---- | ---- | ----/0.030A | ----/0.030A | ---- | 0.034 - 0.002 | .0838 | ---- | ---- | ---- | ---- | 3684 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.041 - 0.003 | .0978 | ---- | ---- | ---- | ---- | 1009 UNCH |
| 2300 | 0.050 | 0.050 | 0.050/0.050 | 0.050/0.050 | ---- | 0.049 - 0.004 | .1132 | ---- | ---- | 3 | ---- | 9 + 3 |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.058 - 0.004 | .1298 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.094 - 0.005 | .1885 | ---- | ---- | ---- | ---- | 62 UNCH |
| 2550 | ---- | ---- | ----/0.110A | ----/0.110A | ---- | 0.109 - 0.006 | .2103 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2600 | ---- | ---- | ----/0.130A | ----/0.130A | ---- | 0.126 - 0.006 | .2333 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2750 | ---- | ---- | ----/0.190A | ----/0.190A | ---- | 0.185 - 0.008 | .3045 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2800 | ---- | ---- | ----/0.210A | ----/0.210A | ---- | 0.208 - 0.009 | .3288 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2900 | ---- | ---- | ----/0.260A | ----/0.260A | ---- | 0.257 - 0.011 | .3772 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2950 | ---- | ---- | ----/0.290A | ----/0.290A | ---- | 0.285 - 0.011 | .4011 | ---- | ---- | ---- | ---- | 23 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.313 - 0.012 | .4246 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | 3 | | 4914 + 3 |
| APR19 | | | | | | | | | | | | |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.008 UNCH | .0321 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.011 UNCH | .0423 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1950 | ---- | ---- | ---- | ---- | ---- | 0.014 UNCH | .0526 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.198 - 0.007 | .4678 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.317 - 0.012 | .6274 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 19 |
| MAY19 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.337 - 0.011 | .6644 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 2 |
| JUN19 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.326 - 0.011 | .6352 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 2 |
| JUL19 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.309 - 0.011 | .6086 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 2 |
| AUG19 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.310 - 0.011 | .5985 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 2 |
| SEP19 | | | | | | | | | | | | |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.326 - 0.010 | .6037 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 2 |
| OCT19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.383 - 0.013 | .6576 | ---- | ---- | ---- | ---- | 8 UNCH |
| TOTAL | | | | | | | | | | | | 8 |
| NOV19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.354 - 0.015 | .6155 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | | | 3 |
| DEC19 | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.297 - 0.013 | .5221 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | | | 3 |
| CD CALL | | NYMEX ONE DAY CRUDE OIL OPTIONS | | | | | | | | | | |
| 27JUN18 | | | | | | | | | | | | |
| 7300 | ---- | ---- | ---- | ---- | ---- | 0.00 UNCH | ---- | ---- | ---- | ---- | 250 | 0 UNCH |
| TOTAL | | | | | | | | | | | 250 | 0 |
| KD CALL | | NYMEX ONE DAY NATURAL GAS OPTIONS | | | | | | | | | | |
| 26JUN18 | | | | | | | | | | | | |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| 27JUN18 | | | | | | | | | | | | |
| 2975 | ---- | 0.0000 | ---- | #0.0000/*0.00 | ---- | 0.0060 NEW | 1.0000 | 50 | ---- | 100 | ---- | 0 UNCH |
| 3000 | ---- | 0.0000 | ---- | #0.0000/*0.00 | ---- | 0.0000 UNCH | ---- | ---- | ---- | 175 | 150 | 0 UNCH |
| 3025 | ---- | 0.0000 | ---- | #0.0000/*0.00 | ---- | 0.0000 UNCH | ---- | ---- | ---- | 50 | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | 325 | 150 | 0 |
| KD PUT | | NYMEX ONE DAY NATURAL GAS OPTIONS | | | | | | | | | | |
| 26JUN18 | | | | | | | | | | | | |
| 2925 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| 27JUN18 | | | | | | | | | | | | |
| 2975 | ---- | 0.0000 | ---- | #0.0000/*0.00 | ---- | 0.0000 UNCH | ---- | ---- | ---- | 150 | 300 | 0 UNCH |
| TOTAL | | | | | | | | | | 150 | 300 | 0 |

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# ENERGY OPTIONS

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OB CALL | | NYMEX RBOB (PHY) OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 17700 | ---- | ---- | ---- | ---- | ---- | 0.3046 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.1946 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0746 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.0646 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 20200 | ---- | ---- | ---- | ---- | ---- | 0.0546 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 20400 | ---- | ---- | ---- | ---- | ---- | 0.0346 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0246 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.0146 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| AUG18 | | | | | | | | | | | | |
| 17200 | ---- | ---- | ---- | ---- | ---- | 0.3903 + 0.0535 | .9974 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.1703 + 0.0470 | .8743 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.1616 + 0.0462 | .8617 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19700 | ---- | ---- | ---- | ---- | ---- | 0.1531 + 0.0454 | .8461 | ---- | ---- | ---- | ---- | 200 UNCH |
| 19900 | ---- | ---- | ---- | ---- | ---- | 0.1364 + 0.0434 | .8114 | ---- | ---- | ---- | ---- | 100 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1284 + 0.0424 | .7923 | ---- | ---- | ---- | ---- | 50 UNCH |
| 20400 | 0.0700 | 0.0700 | #0.0800B/0.07 | #0.0800B/0.07 | ---- | 0.0983 + 0.0370 | .7050 | ---- | ---- | 2 | ---- | 3 + 2 |
| 20500 | ---- | ---- | #0.0900B/---- | #0.0900B/---- | ---- | 0.0913 + 0.0353 | .6803 | ---- | ---- | ---- | ---- | 209 UNCH |
| 20600 | 0.0600 | 0.0600 | 0.0900B/0.060 | 0.0900B/0.060 | ---- | 0.0846 + 0.0337 | .6545 | ---- | ---- | 3 | ---- | 6 + 1 |
| 20700 | ---- | ---- | #0.0800B/---- | #0.0800B/---- | ---- | 0.0782 + 0.0320 | .6276 | ---- | ---- | ---- | ---- | 2 UNCH |
| 20800 | 0.0500 | 0.0500 | 0.0700B/0.050 | 0.0700B/0.050 | ---- | 0.0721 + 0.0303 | .6001 | ---- | ---- | 2 | ---- | 112 + 2 |
| 20900 | ---- | ---- | 0.0700B/---- | 0.0700B/---- | ---- | 0.0664 + 0.0287 | .5716 | ---- | ---- | ---- | ---- | 60 UNCH |
| 21000 | 0.0600 | 0.0600 | 0.0600/0.0600 | 0.0600/0.0600 | ---- | 0.0609 + 0.0269 | .5428 | ---- | ---- | 1 | 200 | 312 - 163 |
| 21100 | ---- | ---- | #0.0600B/---- | #0.0600B/---- | ---- | 0.0558 + 0.0253 | .5138 | ---- | ---- | ---- | ---- | 1 UNCH |
| 21200 | 0.0500 | 0.0500 | 0.0500/0.0500 | 0.0500/0.0500 | ---- | 0.0510 + 0.0237 | .4847 | ---- | ---- | 2 | ---- | 12 + 1 |
| 21400 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0422 + 0.0205 | .4271 | ---- | ---- | ---- | ---- | 22 UNCH |
| 21500 | ---- | ---- | 0.0400B/---- | 0.0400B/---- | ---- | 0.0383 + 0.0190 | .3991 | ---- | ---- | ---- | 25 | 129 + 25 |
| 21600 | 0.0300 | 0.0300 | 0.0400B/0.030 | 0.0400B/0.030 | ---- | 0.0346 + 0.0175 | .3714 | ---- | ---- | 3 | ---- | 5 UNCH |
| 21700 | 0.0300 | 0.0300 | 0.0300B/0.030 | 0.0300B/0.030 | ---- | 0.0313 + 0.0161 | .3450 | ---- | ---- | 3 | ---- | 21 UNCH |
| 21800 | ---- | ---- | #0.0300B/---- | #0.0300B/---- | ---- | 0.0281 + 0.0147 | .3189 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22000 | 0.0300 | 0.0300 | 0.0300/0.0200 | 0.0300/0.0200 | ---- | 0.0227 + 0.0123 | .2707 | ---- | ---- | 1 | ---- | 43 - 1 |
| 22100 | 0.0200 | 0.0200 | #0.0200/*0.02 | #0.0200/*0.02 | ---- | 0.0203 NEW | .2481 | ---- | ---- | 1 | ---- | 1 + 1 |
| 22200 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0182 + 0.0103 | .2273 | ---- | ---- | 2 | ---- | 22 + 2 |
| 22500 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0128 + 0.0076 | .1707 | ---- | ---- | ---- | ---- | 55 UNCH |
| 22700 | ---- | ---- | 0.0100B/---- | 0.0100B/---- | ---- | 0.0100 + 0.0061 | .1390 | ---- | ---- | ---- | ---- | 110 UNCH |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.0088 + 0.0054 | .1248 | ---- | ---- | ---- | ---- | 10 UNCH |
| 22900 | ---- | ---- | ---- | ---- | ---- | 0.0078 + 0.0049 | .1124 | ---- | ---- | ---- | ---- | 10 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0068 + 0.0043 | .1000 | ---- | ---- | ---- | ---- | 77 UNCH |
| 23300 | ---- | ---- | 0.0000B/---- | 0.0000B/---- | ---- | 0.0045 + 0.0030 | .0699 | ---- | ---- | ---- | ---- | 111 UNCH |
| 23500 | ---- | ---- | ---- | ---- | ---- | 0.0034 + 0.0023 | .0545 | ---- | ---- | ---- | ---- | 51 UNCH |
| 23600 | ---- | ---- | ---- | ---- | ---- | 0.0030 + 0.0021 | .0486 | ---- | ---- | ---- | ---- | 50 UNCH |
| 23700 | ---- | ---- | ---- | ---- | ---- | 0.0026 + 0.0018 | .0427 | ---- | ---- | ---- | ---- | 55 UNCH |
| 24000 | ---- | ---- | ---- | ---- | ---- | 0.0016 + 0.0011 | .0276 | ---- | ---- | ---- | ---- | 70 UNCH |
| 25300 | ---- | ---- | ---- | ---- | ---- | 0.0002 + 0.0001 | .0039 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 20 | 225 | 2211 - 130 |
| SEP18 | | | | | | | | | | | | |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.2520 + 0.0474 | .8930 | ---- | ---- | ---- | ---- | 175 UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.2088 + 0.0450 | .8398 | ---- | ---- | ---- | ---- | 700 UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.1766 + 0.0423 | .7891 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.1690 + 0.0415 | .7741 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19600 | 0.1600 | 0.1600 | #0.1600/0.160 | #0.1600/0.160 | ---- | 0.1615 + 0.0407 | .7587 | ---- | ---- | 1 | ---- | 2 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.1333 + 0.0368 | .6916 | ---- | ---- | ---- | ---- | 100 UNCH |
| 20100 | ---- | ---- | #0.1000B/---- | #0.1000B/---- | ---- | 0.1267 + 0.0356 | .6733 | ---- | ---- | ---- | ---- | 50 UNCH |
| 20200 | ---- | ---- | #0.1100B/---- | #0.1100B/---- | ---- | 0.1203 + 0.0344 | .6553 | ---- | ---- | ---- | ---- | 125 UNCH |
| 20400 | ---- | ---- | #0.1100B/---- | #0.1100B/---- | ---- | 0.1082 + 0.0320 | .6174 | ---- | ---- | ---- | ---- | 200 UNCH |
| 20500 | ---- | ---- | #0.1000B/---- | #0.1000B/---- | ---- | 0.1024 + 0.0307 | .5982 | ---- | ---- | ---- | ---- | 1 UNCH |
| 20600 | ---- | ---- | #0.1000B/---- | #0.1000B/---- | ---- | 0.0968 + 0.0295 | .5786 | ---- | ---- | ---- | 100 | 50 - 50 |
| 20700 | ---- | ---- | #0.0900B/---- | #0.0900B/---- | ---- | 0.0914 + 0.0282 | .5591 | ---- | ---- | ---- | ---- | 10 UNCH |
| 20900 | ---- | ---- | #0.0800B/---- | #0.0800B/---- | ---- | 0.0814 + 0.0260 | .5196 | ---- | ---- | ---- | ---- | 100 UNCH |
| 21000 | ---- | ---- | #0.0800B/---- | #0.0800B/---- | ---- | 0.0767 + 0.0249 | .5000 | ---- | ---- | ---- | ---- | 402 UNCH |
| 21200 | 0.0600 | 0.0600 | #0.0700B/0.06 | #0.0700B/0.06 | ---- | 0.0680 + 0.0228 | .4611 | ---- | ---- | 1 | ---- | 100 UNCH |
| 21300 | ---- | ---- | #0.0600B/---- | #0.0600B/---- | ---- | 0.0639 + 0.0217 | .4419 | ---- | ---- | ---- | ---- | 5 UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.0600 NEW | .4230 | ---- | ---- | ---- | 200 | 200 + 200 |
| 21500 | 0.0500 | 0.0500 | 0.0600B/0.050 | 0.0600B/0.050 | ---- | 0.0564 + 0.0198 | .4046 | ---- | ---- | 10 | ---- | 24 + 4 |
| 21700 | ---- | ---- | #0.0500B/---- | #0.0500B/---- | ---- | 0.0496 + 0.0179 | .3686 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22000 | ---- | ---- | #0.0400B/---- | #0.0400B/---- | ---- | 0.0407 + 0.0154 | .3179 | ---- | ---- | ---- | ---- | 109 UNCH |
| 22200 | ---- | ---- | #0.0400B/---- | #0.0400B/---- | ---- | 0.0356 + 0.0139 | .2867 | ---- | ---- | ---- | ---- | 61 UNCH |
| 22300 | ---- | ---- | #0.0300B/---- | #0.0300B/---- | ---- | 0.0332 + 0.0132 | .2716 | ---- | ---- | ---- | ---- | 25 UNCH |
| 22400 | ---- | ---- | #0.0300B/---- | #0.0300B/---- | ---- | 0.0310 + 0.0125 | .2573 | ---- | ---- | ---- | ---- | 2 UNCH |
| 22500 | ---- | ---- | #0.0300B/---- | #0.0300B/---- | ---- | 0.0289 + 0.0119 | .2434 | ---- | ---- | ---- | ---- | 404 UNCH |
| 22700 | 0.0300 | 0.0300 | #0.0300/*0.03 | #0.0300/*0.03 | ---- | 0.0250 NEW | .2169 | ---- | ---- | 10 | ---- | 10 + 10 |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0200 + 0.0088 | .1810 | ---- | ---- | ---- | ---- | 42 UNCH |
| 23700 | ---- | ---- | ---- | ---- | ---- | 0.0115 + 0.0056 | .1142 | ---- | ---- | ---- | ---- | 8 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0036 + 0.0020 | .0418 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | 22 | 300 | 3136 + 164 |
| OCT18 | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.2486 + 0.0404 | .8499 | ---- | ---- | ---- | ---- | 275 UNCH |
| 17900 | ---- | ---- | ---- | ---- | ---- | 0.2163 + 0.0384 | .8059 | ---- | ---- | ---- | ---- | 100 UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.2085 + 0.0378 | .7919 | ---- | ---- | ---- | ---- | 10 UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.1452 + 0.0315 | .6667 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.1214 + 0.0283 | .6030 | ---- | ---- | ---- | ---- | 100 UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.1159 + 0.0275 | .5867 | ---- | ---- | ---- | ---- | 100 UNCH |
| 20000 | ---- | ---- | ---- | ---- | ---- | 0.0865 + 0.0227 | .4877 | ---- | ---- | ---- | ---- | 101 UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.0822 + 0.0219 | .4715 | ---- | ---- | ---- | ---- | 50 UNCH |
| 20400 | 0.0700 | 0.0700 | #0.0700/*0.07 | #0.0700/*0.07 | ---- | 0.0703 NEW | .4236 | ---- | ---- | 1 | ---- | 1 + 1 |
| 20700 | 0.0600 | 0.0600 | #0.0600/*0.06 | #0.0600/*0.06 | ---- | 0.0597 NEW | .3774 | ---- | ---- | 1 | ---- | 1 + 1 |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0505 + 0.0154 | .3339 | ---- | ---- | ---- | ---- | 100 UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.0450 + 0.0140 | .3064 | ---- | ---- | ---- | ---- | 100 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0206 + 0.0072 | .1645 | ---- | ---- | ---- | ---- | 50 UNCH |
| 25000 | ---- | ---- | ---- | ---- | ---- | 0.0037 + 0.0017 | .0373 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | 2 | | 1188 + 2 |
| DEC18 | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.3553 + 0.0378 | .8751 | ---- | ---- | ---- | ---- | 50 UNCH |
| 16200 | ---- | ---- | ---- | ---- | ---- | 0.3383 + 0.0373 | .8669 | ---- | ---- | ---- | ---- | 100 UNCH |
| 16300 | ---- | ---- | ---- | ---- | ---- | 0.3299 + 0.0370 | .8597 | ---- | ---- | ---- | ---- | 150 UNCH |
| 18100 | ---- | ---- | ---- | ---- | ---- | 0.1957 + 0.0304 | .6851 | ---- | ---- | ---- | ---- | 50 UNCH |
| 18400 | ---- | ---- | ---- | ---- | ---- | 0.1770 + 0.0289 | .6495 | ---- | ---- | ---- | ---- | 50 UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.1710 + 0.0284 | .6374 | ---- | ---- | ---- | ---- | 50 UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.1595 + 0.0274 | .6126 | ---- | ---- | ---- | ---- | 125 UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.1236 + 0.0227 | .5249 | ---- | ---- | ---- | ---- | 250 UNCH |
| 19600 | ---- | ---- | ---- | ---- | ---- | 0.1148 + 0.0215 | .4999 | ---- | ---- | ---- | ---- | 150 UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0446 + 0.0109 | .2478 | ---- | ---- | ---- | ---- | 500 UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0361 + 0.0091 | .2091 | ---- | ---- | ---- | ---- | 525 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.0292 + 0.0077 | .1757 | ---- | ---- | ---- | ---- | 10 UNCH |
| 24500 | ---- | ---- | ---- | ---- | ---- | 0.0149 + 0.0046 | .0997 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 2012 |
| APR19 | | | | | | | | | | | | |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1323 + 0.0181 | .4376 | ---- | ---- | ---- | ---- | 1 UNCH |
| 22600 | ---- | ---- | ---- | ---- | ---- | 0.1254 NEW | .4215 | ---- | ---- | ---- | 100 | 100 + 100 |
| 22800 | ---- | ---- | ---- | ---- | ---- | 0.1190 + 0.0168 | .4059 | ---- | ---- | ---- | ---- | 1 UNCH |
| 23000 | ---- | ---- | ---- | ---- | ---- | 0.1128 + 0.0161 | .3906 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | 100 | 104 + 100 |
| OB PUT | | NYMEX RBOB (PHY) OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 20600 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 20700 | ---- | ---- | ---- | ---- | ---- | 0.0000 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 20800 | ---- | ---- | ---- | ---- | ---- | 0.0054 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |

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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OB PUT | | NYMEX RBOB (PHY) OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 20900 | ---- | ---- | ---- | ---- | ---- | 0.0154 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21000 | ---- | ---- | ---- | ---- | ---- | 0.0254 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21100 | ---- | ---- | ---- | ---- | ---- | 0.0354 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21200 | ---- | ---- | ---- | ---- | ---- | 0.0454 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21300 | ---- | ---- | ---- | ---- | ---- | 0.0554 | UNCH | ---- | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21400 | ---- | ---- | ---- | ---- | ---- | 0.0654 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21500 | ---- | ---- | ---- | ---- | ---- | 0.0754 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21600 | ---- | ---- | ---- | ---- | ---- | 0.0854 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21700 | ---- | ---- | ---- | ---- | ---- | 0.0954 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 21800 | ---- | ---- | ---- | ---- | ---- | 0.1054 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1254 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22100 | ---- | ---- | ---- | ---- | ---- | 0.1354 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22400 | ---- | ---- | ---- | ---- | ---- | 0.1654 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.1954 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| TOTAL | | | | | | | | | | | | | 0 | |
| AUG18 | | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.0003 | - 0.0004 | .0051 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 18500 | ---- | ---- | ---- | ---- | ---- | 0.0024 | - 0.0020 | .0345 | ---- | ---- | ---- | ---- | 109 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.0033 | - 0.0027 | .0462 | ---- | ---- | ---- | ---- | 55 | UNCH |
| 18800 | ---- | ---- | ---- | ---- | ---- | 0.0039 | - 0.0030 | .0535 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.0045 | - 0.0034 | .0610 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 19000 | ---- | ---- | ---- | ---- | ---- | 0.0052 | - 0.0038 | .0694 | ---- | ---- | ---- | ---- | 106 | UNCH |
| 19200 | ---- | ---- | ---- | ---- | ---- | 0.0069 | - 0.0047 | .0891 | ---- | ---- | ---- | ---- | 13 | UNCH |
| 19500 | ---- | ---- | ----/*0.0100A | ----/*0.0100A | ---- | 0.0102 | - 0.0065 | .1256 | ---- | ---- | ---- | ---- | 182 | UNCH |
| 19800 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0145 | - 0.0091 | .1708 | ---- | ---- | ---- | ---- | 8 | UNCH |
| 19900 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0163 | - 0.0101 | .1885 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 20000 | 0.0200 | 0.0200 | 0.0200/0.0200 | 0.0200/0.0200 | ---- | 0.0183 | - 0.0111 | .2076 | ---- | ---- | 2 | ---- | 78 + | 1 |
| 20300 | 0.0200 | 0.0200 | 0.0300B/*0.02 | 0.0300B/*0.02 | ---- | 0.0253 | - 0.0150 | .2712 | ---- | ---- | 1 | ---- | 9 + | 1 |
| 20400 | 0.0300 | 0.0300 | 0.0300B/*0.03 | 0.0300B/*0.03 | ---- | 0.0281 | - 0.0165 | .2949 | ---- | ---- | 1 | ---- | 50 | UNCH |
| 20500 | ---- | ---- | ----/0.0300A | ----/0.0300A | ---- | 0.0311 | - 0.0182 | .3196 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 20600 | 0.0400 | 0.0400 | 0.0400/*0.030 | 0.0400/*0.030 | ---- | 0.0344 | - 0.0198 | .3454 | ---- | ---- | 1 | ---- | 1 + | 1 |
| 20700 | 0.0400 | 0.0400 | #0.0400/*0.04 | #0.0400/*0.04 | ---- | 0.0380 | NEW | .3723 | ---- | ---- | 1 | ---- | 1 + | 1 |
| 21000 | 0.0500 | 0.0500 | 0.0500B/0.050 | 0.0500B/0.050 | ---- | 0.0507 | - 0.0265 | .4571 | ---- | ---- | 3 | ---- | 21 + | 1 |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.1123 | - 0.0412 | .7292 | ---- | ---- | ---- | ---- | 4 | UNCH |
| TOTAL | | | | | | | | | | | 9 | | 709 + | 5 |
| SEP18 | | | | | | | | | | | | | | |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0005 | - 0.0002 | .0061 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0012 | - 0.0003 | .0136 | ---- | ---- | ---- | ---- | 51 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.0024 | - 0.0006 | .0255 | ---- | ---- | ---- | ---- | 37 | UNCH |
| 18800 | ---- | ---- | ----/*0.0200A | ----/*0.0200A | ---- | 0.0161 | - 0.0044 | .1383 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 19000 | ---- | ---- | ----/0.0200A | ----/0.0200A | ---- | 0.0191 | - 0.0055 | .1602 | ---- | ---- | ---- | ---- | 9 | UNCH |
| 20100 | ---- | ---- | ----/*0.0500A | ----/*0.0500A | ---- | 0.0467 | - 0.0149 | .3266 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 20600 | ---- | ---- | ----/*0.0700A | ----/*0.0700A | ---- | 0.0667 | - 0.0210 | .4213 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 20700 | ---- | ---- | ----/*0.0700A | ----/*0.0700A | ---- | 0.0713 | - 0.0222 | .4409 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 21000 | ---- | ---- | ----/0.0800A | ----/0.0800A | ---- | 0.0865 | - 0.0256 | .4999 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 21600 | 0.1300 | 0.1300 | 0.1300/0.1300 | 0.1300/0.1300 | ---- | 0.1225 | - 0.0316 | .6135 | ---- | ---- | 2 | ---- | 4 + | 2 |
| 22700 | ---- | ---- | ---- | ---- | ---- | 0.2043 | - 0.0400 | .7830 | ---- | ---- | ---- | ---- | 6 | UNCH |
| TOTAL | | | | | | | | | | | 2 | | 173 + | 2 |
| OCT18 | | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0017 | - 0.0007 | .0165 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 17000 | ---- | ---- | ---- | ---- | ---- | 0.0146 | - 0.0041 | .1093 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 17600 | ---- | ---- | ---- | ---- | ---- | 0.0233 | - 0.0066 | .1629 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 17800 | ---- | ---- | ---- | ---- | ---- | 0.0271 | - 0.0075 | .1846 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0314 | - 0.0086 | .2080 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.0577 | - 0.0150 | .3332 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 19300 | ---- | ---- | ---- | ---- | ---- | 0.0738 | - 0.0181 | .3969 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 19400 | ---- | ---- | ---- | ---- | ---- | 0.0782 | - 0.0190 | .4133 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 20100 | ---- | ---- | ---- | ---- | ---- | 0.1143 | - 0.0245 | .5285 | ---- | ---- | ---- | ---- | 51 | UNCH |
| TOTAL | | | | | | | | | | | | | 367 | |
| DEC18 | | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0119 | - 0.0019 | .0696 | ---- | ---- | ---- | ---- | 222 | UNCH |
| 16000 | ---- | ---- | ---- | ---- | ---- | 0.0234 | - 0.0030 | .1248 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 16500 | ---- | ---- | ---- | ---- | ---- | 0.0312 | - 0.0043 | .1599 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 18000 | ---- | ---- | ---- | ---- | ---- | 0.0691 | - 0.0099 | .3041 | ---- | ---- | ---- | ---- | 6 | UNCH |
| 18700 | ---- | ---- | ---- | ---- | ---- | 0.0960 | - 0.0134 | .3873 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 18900 | ---- | ---- | ---- | ---- | ---- | 0.1048 | - 0.0147 | .4121 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | | 478 | |
| JAN19 | | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0165 | - 0.0020 | .0852 | ---- | ---- | ---- | ---- | 30 | UNCH |
| TOTAL | | | | | | | | | | | | | 30 | |
| FEB19 | | | | | | | | | | | | | | |
| 14000 | ---- | ---- | ---- | ---- | ---- | 0.0115 | - 0.0013 | .0571 | ---- | ---- | ---- | ---- | 4 | UNCH |
| TOTAL | | | | | | | | | | | | | 4 | |
| PU CALL | | PANHANDLE PIPE OPTION | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.0001 | UNCH | .0012 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| AUG18 | | | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.0012 | + 0.0004 | .0190 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| SEP18 | | | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.0033 | + 0.0010 | .0387 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| OCT18 | | | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.0048 | + 0.0012 | .0474 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| NOV18 | | | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.0165 | + 0.0021 | .1158 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| DEC18 | | | | | | | | | | | | | | |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.0871 | + 0.0045 | .3464 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| PU PUT | | PANHANDLE PIPE OPTION | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1644 | - 0.0468 | .9901 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| AUG18 | | | | | | | | | | | | | | |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1390 | - 0.0373 | .7587 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| SEP18 | | | | | | | | | | | | | | |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1926 | - 0.0289 | .7698 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| OCT18 | | | | | | | | | | | | | | |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.2492 | - 0.0295 | .7971 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| NOV18 | | | | | | | | | | | | | | |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.2268 | - 0.0155 | .6856 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| DEC18 | | | | | | | | | | | | | | |

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# ENERGY OPTIONS



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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PU PUT | | PANHANDLE PIPE OPTION | | | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | | | |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.1369 | - 0.0091 | .4206 | ---- | ---- | ---- | ---- | 240 | UNCH |
| TOTAL | | | | | | | | | | | | | 240 | |
| 6OA OOC | | PJM WEST HUB REAL-TIME PK 5 MW OPT | | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | | |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0088 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.02 | .1170 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.34 | - 0.04 | .1986 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 0.46 | - 0.04 | .2516 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3450 | ---- | ---- | ---- | ---- | ---- | 2.23 | + 0.10 | .7483 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.60 | - 0.06 | .3098 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 1.56 | + 0.08 | .6250 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 0.78 | - 0.06 | .3749 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 1.27 | + 0.07 | .5563 | ---- | ---- | ---- | ---- | 210 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 0.99 | - 0.07 | .4436 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 1.02 | + 0.05 | .4855 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3650 | ---- | ---- | ---- | ---- | ---- | 1.23 | - 0.10 | .5144 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.85 | - 0.11 | .6478 | ---- | ---- | ---- | ---- | 255 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.65 | + 0.03 | .3521 | ---- | ---- | ---- | ---- | 235 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.18 | UNCH | .1252 | ---- | ---- | ---- | ---- | 190 | UNCH |
| 4300 | ---- | ---- | ---- | ---- | ---- | 0.04 | UNCH | .0320 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | | 1370 | |
| JAN20 | | | | | | | | | | | | | | |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.01 | .0287 | ---- | ---- | ---- | ---- | 110 | UNCH |
| 2950 | ---- | ---- | ---- | ---- | ---- | 0.25 | - 0.02 | .0977 | ---- | ---- | ---- | ---- | 120 | UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 1.05 | - 0.05 | .3013 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 1.43 | - 0.06 | .3766 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 2.57 | + 0.09 | .6233 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 3800 | ---- | ---- | ---- | ---- | ---- | 0.94 | + 0.05 | .3166 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | | 350 | |
| PMA OOF | | PJM WEST HUB REAL-TIME PK CAL 50 MW | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 21 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 567 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.06 | .0011 | ---- | ---- | ---- | ---- | 42 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 2.80 | + 1.48 | .9982 | ---- | ---- | ---- | ---- | 399 | UNCH |
| 4100 | ---- | ---- | ---- | ---- | ---- | 1.85 | + 1.17 | .9693 | ---- | ---- | ---- | ---- | 147 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.06 | + 0.05 | .0256 | ---- | ---- | ---- | ---- | 441 | UNCH |
| TOTAL | | | | | | | | | | | | | 1617 | |
| AUG18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0118 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.48 | - 0.05 | .1892 | ---- | ---- | ---- | ---- | 621 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 2.07 | - 0.27 | .5411 | ---- | ---- | ---- | ---- | 46 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 1.03 | + 0.33 | .3692 | ---- | ---- | ---- | ---- | 437 | UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.16 | + 0.08 | .0814 | ---- | ---- | ---- | ---- | 368 | UNCH |
| TOTAL | | | | | | | | | | | | | 1495 | |
| SEP18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.03 | UNCH | .0227 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.87 | - 0.15 | .3745 | ---- | ---- | ---- | ---- | 513 | UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 1.45 | + 0.28 | .5630 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 3550 | ---- | ---- | ---- | ---- | ---- | 1.09 | - 0.18 | .4369 | ---- | ---- | ---- | ---- | 19 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 3.52 | - 0.37 | .7970 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.27 | + 0.06 | .1485 | ---- | ---- | ---- | ---- | 19 | UNCH |
| TOTAL | | | | | | | | | | | | | 627 | |
| OCT18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.01 | .0627 | ---- | ---- | ---- | ---- | 483 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.62 | - 0.13 | .5669 | ---- | ---- | ---- | ---- | 621 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.30 | + 0.07 | .1800 | ---- | ---- | ---- | ---- | 460 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 4.78 | - 0.23 | .9191 | ---- | ---- | ---- | ---- | 46 | UNCH |
| TOTAL | | | | | | | | | | | | | 1610 | |
| NOV18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.17 | - 0.02 | .0992 | ---- | ---- | ---- | ---- | 441 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.96 | - 0.12 | .5960 | ---- | ---- | ---- | ---- | 567 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.33 | + 0.05 | .1809 | ---- | ---- | ---- | ---- | 420 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 5.15 | - 0.19 | .9130 | ---- | ---- | ---- | ---- | 42 | UNCH |
| TOTAL | | | | | | | | | | | | | 1470 | |
| DEC18 | | | | | | | | | | | | | | |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.01 | .0689 | ---- | ---- | ---- | ---- | 420 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.27 | - 0.07 | .3261 | ---- | ---- | ---- | ---- | 540 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 1.95 | + 0.11 | .4929 | ---- | ---- | ---- | ---- | 400 | UNCH |
| 3900 | ---- | ---- | ---- | ---- | ---- | 3.37 | - 0.13 | .6123 | ---- | ---- | ---- | ---- | 40 | UNCH |
| TOTAL | | | | | | | | | | | | | 1400 | |
| JAN19 | | | | | | | | | | | | | | |
| 4200 | ---- | ---- | ---- | ---- | ---- | 1.61 | - 0.05 | .1975 | ---- | ---- | ---- | ---- | 308 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 3.98 | + 0.08 | .4365 | ---- | ---- | ---- | ---- | 220 | UNCH |
| TOTAL | | | | | | | | | | | | | 528 | |
| FEB19 | | | | | | | | | | | | | | |
| 4200 | ---- | ---- | ---- | ---- | ---- | 3.21 | - 0.08 | .3171 | ---- | ---- | ---- | ---- | 280 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 3.63 | + 0.09 | .3791 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | 480 | |
| JUL19 | | | | | | | | | | | | | | |
| 3600 | ---- | ---- | ---- | ---- | ---- | 4.49 | + 0.11 | .6852 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 1.72 | - 0.12 | .3147 | ---- | ---- | ---- | ---- | 44 | UNCH |
| TOTAL | | | | | | | | | | | | | 88 | |
| AUG19 | | | | | | | | | | | | | | |
| 3600 | ---- | ---- | ---- | ---- | ---- | 2.96 | - 0.09 | .4850 | ---- | ---- | ---- | ---- | 44 | UNCH |
| 3600 | ---- | ---- | ---- | ---- | ---- | 2.56 | + 0.12 | .5149 | ---- | ---- | ---- | ---- | 44 | UNCH |
| TOTAL | | | | | | | | | | | | | 88 | |
| JAN21 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.40 | - 0.01 | .0795 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 11.57 | + 0.14 | .9204 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | | 40 | |
| FEB21 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 9.13 | + 0.13 | .8687 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.70 | - 0.02 | .1312 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | | 40 | |
| MAR21 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 3.37 | + 0.07 | .5766 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 2.75 | - 0.05 | .4233 | ---- | ---- | ---- | ---- | 23 | UNCH |
| TOTAL | | | | | | | | | | | | | 46 | |
| APR21 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 5.24 | - 0.08 | .6686 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.35 | + 0.03 | .3313 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | | 44 | |
| MAY21 | | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 5.34 | - 0.07 | .6697 | ---- | ---- | ---- | ---- | 20 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.36 | + 0.04 | .3302 | ---- | ---- | ---- | ---- | 20 | UNCH |

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# ENERGY OPTIONS

**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**

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Side 107



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PMA OOF | | PJM WEST HUB REAL-TIME PK CAL 50 MW | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 40 | |
| JUN21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 5.24 - 0.07 | .6573 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.45 + 0.03 | .3426 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | 44 | |
| JUL21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 4.29 + 0.07 | .6368 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 2.43 - 0.05 | .3631 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| AUG21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 3.75 - 0.06 | .5104 | ---- | ---- | ---- | ---- | 22 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 2.66 + 0.06 | .4895 | ---- | ---- | ---- | ---- | 22 | UNCH |
| TOTAL | | | | | | | | | | | | 44 | |
| SEP21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 5.59 - 0.06 | .6671 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.43 + 0.03 | .3328 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| OCT21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 6.73 - 0.08 | .7405 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.99 + 0.03 | .2594 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| NOV21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 6.75 - 0.08 | .7380 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 1.01 + 0.02 | .2619 | ---- | ---- | ---- | ---- | 21 | UNCH |
| TOTAL | | | | | | | | | | | | 42 | |
| DEC21 | | | | | | | | | | | | | |
| 3500 | ---- | ---- | ---- | ---- | ---- | 4.70 - 0.06 | .5799 | ---- | ---- | ---- | ---- | 23 | UNCH |
| 3500 | ---- | ---- | ---- | ---- | ---- | 2.13 + 0.04 | .4201 | ---- | ---- | ---- | ---- | 23 | UNCH |
| TOTAL | | | | | | | | | | | | 46 | |
| RPF CALL | | POWDR RIVR COAL OPT ON QTY FUT STRP | | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .6953 | ---- | ---- | ---- | ---- | 110 | UNCH |
| 1250 | ---- | ---- | ---- | ---- | ---- | 0.24 UNCH | .4349 | ---- | ---- | ---- | ---- | 15 | UNCH |
| TOTAL | | | | | | | | | | | | 125 | |
| ZA PUT | | RBOB 1 MO CAL SPD OPTIONS | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0033 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 200 | |
| RA CALL | | RBOB APO (AVERAGE PRICE) OPTIONS | | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.2324 + 0.0362 | .8037 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.1054 + 0.0240 | .5278 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0288 + 0.0092 | .2050 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0215 + 0.0072 | .1618 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 75 | |
| NOV18 | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.2303 + 0.0330 | .7621 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.1120 + 0.0217 | .5093 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0389 + 0.0100 | .2322 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0310 + 0.0083 | .1932 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 26500 | ---- | ---- | ---- | ---- | ---- | 0.0039 + 0.0015 | .0326 | ---- | ---- | ---- | ---- | 20 | UNCH |
| TOTAL | | | | | | | | | | | | 95 | |
| DEC18 | | | | | | | | | | | | | |
| 17500 | ---- | ---- | ---- | ---- | ---- | 0.2390 + 0.0309 | .7426 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 19500 | ---- | ---- | ---- | ---- | ---- | 0.1237 + 0.0218 | .5118 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0464 + 0.0109 | .2517 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0374 + 0.0092 | .2125 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 75 | |
| JAN19 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0572 + 0.0117 | .2783 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0473 + 0.0101 | .2401 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 15 | |
| FEB19 | | | | | | | | | | | | | |
| 22000 | ---- | ---- | ---- | ---- | ---- | 0.0694 + 0.0126 | .3061 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 22500 | ---- | ---- | ---- | ---- | ---- | 0.0586 + 0.0111 | .2688 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 15 | |
| RA PUT | | RBOB APO (AVERAGE PRICE) OPTIONS | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | |
| 17900 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| 20500 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0043 | ---- | ---- | ---- | ---- | 25 | UNCH |
| TOTAL | | | | | | | | | | | | 125 | |
| SEP18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0010 - 0.0004 | .0110 | ---- | ---- | ---- | ---- | 100 | UNCH |
| TOTAL | | | | | | | | | | | | 100 | |
| OCT18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0041 - 0.0011 | .0332 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 50 | |
| NOV18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0094 - 0.0016 | .0600 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 50 | |
| DEC18 | | | | | | | | | | | | | |
| 15000 | ---- | ---- | ---- | ---- | ---- | 0.0140 - 0.0019 | .0773 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 50 | |
| RF PUT | | RBOB EURO EXPIRATION OPTION | | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | | |
| 13000 | ---- | ---- | ---- | ---- | ---- | 0.0001 UNCH | .0011 | ---- | ---- | ---- | ---- | 125 | UNCH |
| TOTAL | | | | | | | | | | | | 125 | |
| PJ CALL | | SAN JUAN PIPE OPTION | | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.0800 - 0.0003 | .4094 | ---- | ---- | ---- | ---- | 180 | UNCH |
| TOTAL | | | | | | | | | | | | 180 | |
| DEC18 | | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.3279 - 0.0077 | .7863 | ---- | ---- | ---- | ---- | 180 | UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.0098 - 0.0006 | .0545 | ---- | ---- | ---- | ---- | 124 | UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0033 - 0.0002 | .0200 | ---- | ---- | ---- | ---- | 124 | UNCH |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PJ CALL | | SAN JUAN PIPE OPTION | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 428 |
| JAN19 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.4352 + 0.0163 | .8148 | ---- | ---- | ---- | ---- | 180 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.0567 + 0.0032 | .1948 | ---- | ---- | ---- | ---- | 186 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.0410 + 0.0024 | .1480 | ---- | ---- | ---- | ---- | 124 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0196 + 0.0011 | .0773 | ---- | ---- | ---- | ---- | 124 UNCH |
| TOTAL | | | | | | | | | | | | 614 |
| FEB19 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.3641 + 0.0163 | .6991 | ---- | ---- | ---- | ---- | 180 UNCH |
| 3150 | ---- | ---- | ---- | ---- | ---- | 0.0888 + 0.0048 | .2424 | ---- | ---- | ---- | ---- | 168 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.0619 + 0.0037 | .1774 | ---- | ---- | ---- | ---- | 112 UNCH |
| 3750 | ---- | ---- | ---- | ---- | ---- | 0.0377 + 0.0022 | .1146 | ---- | ---- | ---- | ---- | 112 UNCH |
| TOTAL | | | | | | | | | | | | 572 |
| MAR19 | | | | | | | | | | | | |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.1884 + 0.0147 | .4716 | ---- | ---- | ---- | ---- | 180 UNCH |
| TOTAL | | | | | | | | | | | | 180 |
| 7A CALL | | WTI CRUDE OIL 1 M CSO FIN | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 25 | ---- | ---- | ---- | ---- | ---- | 1.26 + 0.21 | .9754 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 1.02 + 0.16 | .9364 | ---- | ---- | ---- | ---- | 7125 UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.91 + 0.16 | .8601 | ---- | ---- | ---- | ---- | 750 UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.85 + 0.17 | .8047 | ---- | ---- | ---- | 200 | 750 - 200 |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.81 + 0.16 | .7889 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.70 + 0.14 | .6942 | ---- | ---- | ---- | ---- | 2750 UNCH |
| 150 | ---- | ---- | ---- | ---- | ---- | 0.48 + 0.10 | .5000 | ---- | ---- | ---- | ---- | 700 UNCH |
| TOTAL | | | | | | | | | | | 200 | 14075 - 200 |
| SEP18 | | | | | | | | | | | | |
| 25 | ---- | ---- | ---- | ---- | ---- | 1.07 + 0.13 | .9360 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.87 + 0.12 | .8394 | ---- | ---- | ---- | ---- | 3625 UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.82 + 0.14 | .7774 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.78 + 0.14 | .7620 | ---- | ---- | ---- | ---- | 750 UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.71 + 0.13 | .7241 | ---- | ---- | ---- | 200 | 2800 - 50 |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.68 + 0.12 | .7025 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.55 + 0.09 | .6242 | ---- | ---- | ---- | 500 | 2500 + 500 |
| 150 | ---- | ---- | ---- | ---- | ---- | 0.33 + 0.06 | .4244 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | 700 | 15175 + 450 |
| OCT18 | | | | | | | | | | | | |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.63 + 0.15 | .7252 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.48 + 0.15 | .6093 | ---- | ---- | ---- | ---- | 1625 UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.40 + 0.14 | .5407 | ---- | ---- | ---- | ---- | 750 UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.36 + 0.14 | .4956 | ---- | ---- | ---- | 200 | 600 - 200 |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.34 + 0.13 | .4740 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.28 + 0.13 | .3962 | ---- | ---- | ---- | 500 | 2250 + 500 |
| 150 | ---- | ---- | ---- | ---- | ---- | 0.18 + 0.11 | .2556 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | 700 | 7725 + 300 |
| NOV18 | | | | | | | | | | | | |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.50 + 0.13 | .6939 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.36 + 0.12 | .5580 | ---- | ---- | ---- | ---- | 1625 UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.30 + 0.12 | .4800 | ---- | ---- | ---- | ---- | 750 UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.27 + 0.11 | .4335 | ---- | ---- | ---- | 200 | 600 - 200 |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.26 + 0.12 | .4131 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.21 + 0.10 | .3376 | ---- | ---- | ---- | 500 | 2250 + 500 |
| 150 | ---- | ---- | ---- | ---- | ---- | 0.16 + 0.11 | .2283 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | 700 | 7725 + 300 |
| DEC18 | | | | | | | | | | | | |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.47 + 0.09 | .6754 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.35 + 0.10 | .5355 | ---- | ---- | ---- | ---- | 1625 UNCH |
| 65 | ---- | ---- | ---- | ---- | ---- | 0.28 + 0.08 | .4599 | ---- | ---- | ---- | ---- | 750 UNCH |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.24 + 0.06 | .4114 | ---- | ---- | ---- | 200 | 600 - 200 |
| 80 | ---- | ---- | ---- | ---- | ---- | 0.23 + 0.06 | .3908 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.18 + 0.05 | .3135 | ---- | ---- | ---- | 500 | 3750 + 500 |
| 150 | ---- | ---- | ---- | ---- | ---- | 0.12 + 0.07 | .1965 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | 700 | 9225 + 300 |
| JAN19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.22 + 0.06 | .4095 | ---- | ---- | ---- | ---- | 1750 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.15 + 0.05 | .2978 | ---- | ---- | ---- | ---- | 1750 UNCH |
| TOTAL | | | | | | | | | | | | 3500 |
| FEB19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.20 + 0.03 | .3765 | ---- | ---- | ---- | ---- | 1750 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.14 + 0.03 | .2754 | ---- | ---- | ---- | ---- | 1750 UNCH |
| TOTAL | | | | | | | | | | | | 3500 |
| MAR19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.20 + 0.04 | .3635 | ---- | ---- | ---- | ---- | 1750 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.13 + 0.03 | .2600 | ---- | ---- | ---- | ---- | 1750 UNCH |
| TOTAL | | | | | | | | | | | | 3500 |
| APR19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.17 + 0.01 | .3338 | ---- | ---- | ---- | ---- | 1750 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.12 + 0.01 | .2429 | ---- | ---- | ---- | ---- | 750 UNCH |
| TOTAL | | | | | | | | | | | | 2500 |
| MAY19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.17 + 0.01 | .3229 | ---- | ---- | ---- | ---- | 1750 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.12 + 0.01 | .2362 | ---- | ---- | ---- | ---- | 750 UNCH |
| TOTAL | | | | | | | | | | | | 2500 |
| JUN19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.19 + 0.01 | .3500 | ---- | ---- | ---- | ---- | 1750 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.13 + 0.01 | .2545 | ---- | ---- | ---- | ---- | 750 UNCH |
| TOTAL | | | | | | | | | | | | 2500 |
| JUL19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.17 + 0.01 | .3256 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| AUG19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.16 + 0.01 | .3119 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| SEP19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.16 + 0.01 | .3022 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| OCT19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.14 + 0.02 | .2865 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| NOV19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.14 + 0.01 | .2777 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| DEC19 | | | | | | | | | | | | |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.15 UNCH | .3006 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| 7A PUT | | WTI CRUDE OIL 1 M CSO FIN | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |

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# ENERGY OPTIONS



**2018 DAILY INFORMATION BULLETIN -** http://www.cmegroup.com/dailybulletin
*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7A PUT | | WTI CRUDE OIL | 1 M CSO FIN | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| - 50 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0008 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0029 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| - 20 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0037 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0047 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 10 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0059 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.02 | .0091 | ---- | ---- | ---- | ---- | 4500 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.04 | .0203 | ---- | ---- | ---- | ---- | 1150 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.04 | .0245 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.05 | .0294 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.06 | .0351 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.09 | .0635 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 14700 | |
| SEP18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 50 | UNCH |
| - 50 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0057 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0147 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.02 | .0208 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 10 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.02 | .0245 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.03 | .0338 | ---- | ---- | ---- | ---- | 6500 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.05 | .0619 | ---- | ---- | ---- | ---- | 1150 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.05 | .0639 | ---- | ---- | ---- | 700 | 1700 + | 700 |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.05 | .0860 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.05 | .1060 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.06 | .1605 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.12 | NEW | .2225 | ---- | ---- | ---- | 500 | 500 + | 500 |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.16 | NEW | .2759 | ---- | ---- | ---- | 700 | 700 + | 700 |
| TOTAL | | | | | | | | | | | | 1900 | 15600 + | 1900 |
| OCT18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0229 | ---- | ---- | ---- | ---- | 50 | UNCH |
| - 50 | ---- | ---- | ---- | ---- | ---- | 0.02 | UNCH | .0577 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .1042 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .1265 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 10 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.02 | .1307 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.02 | .1680 | ---- | ---- | ---- | ---- | 2300 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.02 | .2492 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.02 | .2747 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.02 | .2926 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.17 | - 0.02 | .3170 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | 8100 | |
| NOV18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0242 | ---- | ---- | ---- | ---- | 50 | UNCH |
| - 50 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0625 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.02 | .0956 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.03 | .1222 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 10 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.03 | .1439 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.03 | .1855 | ---- | ---- | ---- | ---- | 2300 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.05 | .2774 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.06 | .3060 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.16 | - 0.06 | .3336 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.06 | .3605 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | 8100 | |
| DEC18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0246 | ---- | ---- | ---- | ---- | 50 | UNCH |
| - 50 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0642 | ---- | ---- | ---- | ---- | 2050 | UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.02 | .1171 | ---- | ---- | ---- | ---- | 3500 | UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.02 | .1430 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 10 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.02 | .1638 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.04 | .1919 | ---- | ---- | ---- | ---- | 5550 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.13 | - 0.05 | .2960 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.05 | .3245 | ---- | ---- | ---- | ---- | 1700 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.04 | .3573 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 35 | ---- | ---- | ---- | ---- | ---- | 0.20 | - 0.04 | .3834 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.33 | - 0.05 | .5152 | ---- | ---- | ---- | ---- | 250 | UNCH |
| TOTAL | | | | | | | | | | | | | 16000 | |
| JAN19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.02 | .1323 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.03 | .2143 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.16 | - 0.03 | .3279 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.25 | - 0.05 | .4557 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2450 | |
| FEB19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.02 | .1536 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.02 | .2469 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.03 | .3607 | ---- | ---- | ---- | ---- | 450 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.29 | - 0.05 | .4945 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2450 | |
| MAR19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.01 | .1713 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.03 | .2640 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.20 | - 0.03 | .3836 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.32 | - 0.04 | .5157 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | | | 2250 | |
| APR19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.01 | .1897 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.13 | - 0.02 | .2836 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.21 | - 0.01 | .4064 | ---- | ---- | ---- | ---- | 250 | UNCH |
| TOTAL | | | | | | | | | | | | | 1250 | |
| MAY19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.09 | UNCH | .2066 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.02 | .3011 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.23 | - 0.01 | .4290 | ---- | ---- | ---- | ---- | 250 | UNCH |
| TOTAL | | | | | | | | | | | | | 1250 | |
| JUN19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.01 | .1980 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.02 | .2864 | ---- | ---- | ---- | ---- | 750 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.22 | - 0.02 | .4019 | ---- | ---- | ---- | ---- | 250 | UNCH |
| TOTAL | | | | | | | | | | | | | 1250 | |
| JUL19 | | | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.01 | .3055 | ---- | ---- | ---- | ---- | 500 | UNCH |
| TOTAL | | | | | | | | | | | | | 500 | |
| AUG19 | | | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.02 | .3134 | ---- | ---- | ---- | ---- | 500 | UNCH |
| TOTAL | | | | | | | | | | | | | 500 | |
| SEP19 | | | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.18 | - 0.01 | .3421 | ---- | ---- | ---- | ---- | 500 | UNCH |
| TOTAL | | | | | | | | | | | | | 500 | |
| OCT19 | | | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.01 | .3061 | ---- | ---- | ---- | ---- | 500 | UNCH |
| TOTAL | | | | | | | | | | | | | 500 | |
| NOV19 | | | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.14 | - 0.01 | .3345 | ---- | ---- | ---- | ---- | 500 | UNCH |
| TOTAL | | | | | | | | | | | | | 500 | |

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## FINAL



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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7A PUT | | WTI CRUDE OIL | 1 M CSO FIN | | | | | | | | | |
| DEC19 | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.12 - 0.01 | .2970 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 500 |
| WA CALL | | WTI CRUDE OIL 1MO CAL SPRD OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 1.51 + 0.23 | .9886 | ---- | ---- | ---- | ---- | 150 UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 1.26 + 0.21 | .9712 | ---- | ---- | ---- | ---- | 1125 UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 1.02 + 0.16 | .9364 | ---- | ---- | ---- | 2000 | 17125 - 1500 |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.98 + 0.16 | .9139 | ---- | ---- | ---- | ---- | 400 UNCH |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.95 + 0.17 | .8781 | ---- | ---- | ---- | ---- | 100 UNCH |
| 70 | ---- | ---- | #0.92B/---- | #0.92B/---- | ---- | 0.88 + 0.17 | .8310 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 75 | ---- | ---- | #0.89B/---- | #0.89B/---- | ---- | 0.85 + 0.17 | .8047 | ---- | ---- | ---- | ---- | 9850 UNCH |
| 80 | ---- | ---- | #0.86B/---- | #0.86B/---- | ---- | 0.81 + 0.16 | .7889 | ---- | ---- | ---- | ---- | 1500 UNCH |
| 100 | ---- | ---- | #0.74B/---- | #0.74B/---- | ---- | 0.70 + 0.14 | .6942 | ---- | ---- | ---- | ---- | 4050 UNCH |
| 150 | ---- | ---- | #0.48B/---- | #0.48B/---- | ---- | 0.48 + 0.10 | .5000 | ---- | ---- | ---- | ---- | 1700 UNCH |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.32 + 0.05 | .3510 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.12 + 0.02 | .1499 | ---- | ---- | ---- | ---- | 1000 UNCH |
| TOTAL | | | | | | | | | | | 2000 | 39000 - 1500 |
| SEP18 | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 1.31 + 0.15 | .9703 | ---- | ---- | ---- | ---- | 250 UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 1.07 + 0.13 | .9360 | ---- | ---- | ---- | ---- | 1125 UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.95 + 0.13 | .8750 | ---- | ---- | ---- | ---- | 100 UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.87 + 0.12 | .8394 | ---- | ---- | ---- | ---- | 7875 UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.84 + 0.13 | .8115 | ---- | ---- | ---- | ---- | 400 UNCH |
| 60 | ---- | ---- | #0.77B/---- | #0.77B/---- | ---- | 0.82 + 0.14 | .7774 | ---- | ---- | ---- | ---- | 100 UNCH |
| 65 | ---- | ---- | #0.73B/---- | #0.73B/---- | ---- | 0.78 + 0.14 | .7620 | ---- | ---- | ---- | ---- | 100 UNCH |
| 70 | ---- | ---- | #0.69B/---- | #0.69B/---- | ---- | 0.75 + 0.14 | .7395 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 75 | ---- | ---- | #0.68B/---- | #0.68B/---- | ---- | 0.71 + 0.13 | .7241 | ---- | ---- | ---- | ---- | 4500 UNCH |
| 80 | ---- | ---- | #0.65B/---- | #0.65B/---- | ---- | 0.68 + 0.12 | .7025 | ---- | ---- | ---- | ---- | 1400 UNCH |
| 100 | ---- | ---- | #0.51B/---- | #0.51B/---- | ---- | 0.55 + 0.09 | .6242 | ---- | ---- | ---- | ---- | 900 UNCH |
| 125 | ---- | ---- | #0.38B/---- | #0.38B/---- | ---- | 0.43 + 0.08 | .5198 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 150 | ---- | ---- | #0.29B/---- | #0.29B/---- | ---- | 0.33 + 0.06 | .4244 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 175 | ---- | ---- | #0.21B/---- | #0.21B/---- | ---- | 0.25 + 0.05 | .3398 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 19850 |
| OCT18 | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.81 + 0.15 | .8319 | ---- | ---- | ---- | ---- | 2250 UNCH |
| 25 | ---- | ---- | #0.61B/---- | #0.61B/---- | ---- | 0.63 + 0.15 | .7252 | ---- | ---- | ---- | ---- | 525 UNCH |
| 35 | ---- | ---- | #0.55B/---- | #0.55B/---- | ---- | 0.56 + 0.15 | .6829 | ---- | ---- | ---- | ---- | 100 UNCH |
| 50 | ---- | ---- | #0.46B/---- | #0.46B/---- | ---- | 0.48 + 0.15 | .6093 | ---- | ---- | ---- | ---- | 7725 UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.45 + 0.15 | .5870 | ---- | ---- | ---- | ---- | 400 UNCH |
| 65 | ---- | ---- | #0.39B/---- | #0.39B/---- | ---- | 0.40 + 0.14 | .5407 | ---- | ---- | ---- | ---- | 100 UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.38 + 0.14 | .5178 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 75 | ---- | ---- | #0.34B/---- | #0.34B/---- | ---- | 0.36 + 0.14 | .4956 | ---- | ---- | ---- | 1000 | 7050 + 1000 |
| 80 | ---- | ---- | #0.33B/---- | #0.33B/---- | ---- | 0.34 + 0.13 | .4740 | ---- | ---- | ---- | ---- | 1500 UNCH |
| 100 | ---- | ---- | #0.28B/---- | #0.28B/---- | ---- | 0.28 + 0.13 | .3962 | ---- | ---- | ---- | 250 | 3650 + 250 |
| 150 | ---- | ---- | #0.19B/---- | #0.19B/---- | ---- | 0.18 + 0.11 | .2556 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | | 1250 | 24500 + 1250 |
| NOV18 | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.68 + 0.16 | .8144 | ---- | ---- | ---- | ---- | 2150 UNCH |
| 20 | ---- | ---- | #0.50B/---- | #0.50B/---- | ---- | 0.53 + 0.14 | .7225 | ---- | ---- | ---- | ---- | 100 UNCH |
| 25 | ---- | ---- | #0.47B/---- | #0.47B/---- | ---- | 0.50 + 0.13 | .6939 | ---- | ---- | ---- | ---- | 525 UNCH |
| 50 | ---- | ---- | #0.34B/---- | #0.34B/---- | ---- | 0.36 + 0.12 | .5580 | ---- | ---- | ---- | ---- | 8025 UNCH |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.34 + 0.12 | .5310 | ---- | ---- | ---- | ---- | 400 UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.29 + 0.12 | .4568 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 75 | ---- | ---- | #0.26B/---- | #0.26B/---- | ---- | 0.27 + 0.11 | .4335 | ---- | ---- | ---- | 1000 | 7350 + 1000 |
| 80 | ---- | ---- | #0.24B/---- | #0.24B/---- | ---- | 0.26 + 0.12 | .4131 | ---- | ---- | ---- | ---- | 1550 UNCH |
| 100 | ---- | ---- | #0.20B/---- | #0.20B/---- | ---- | 0.21 + 0.10 | .3376 | ---- | ---- | ---- | 250 | 3750 + 250 |
| 150 | ---- | ---- | #0.15B/---- | #0.15B/---- | ---- | 0.16 + 0.11 | .2283 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | | 1250 | 25050 + 1250 |
| DEC18 | | | | | | | | | | | | |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.64 + 0.10 | .8080 | ---- | ---- | ---- | ---- | 2250 UNCH |
| 25 | ---- | ---- | #0.45B/---- | #0.45B/---- | ---- | 0.47 + 0.09 | .6754 | ---- | ---- | ---- | ---- | 225 UNCH |
| 45 | ---- | ---- | #0.34B/---- | #0.34B/---- | ---- | 0.37 + 0.10 | .5623 | ---- | ---- | ---- | ---- | 200 UNCH |
| 50 | 0.31 | 0.31 | #0.32B/0.31 | #0.32B/0.31 | ---- | 0.35 + 0.10 | .5355 | ---- | ---- | 100 | 900 | 7725 - 900 |
| 55 | ---- | ---- | ---- | ---- | ---- | 0.32 + 0.09 | .5103 | ---- | ---- | ---- | ---- | 400 UNCH |
| 65 | ---- | ---- | #0.26B/---- | #0.26B/---- | ---- | 0.28 + 0.08 | .4599 | ---- | ---- | ---- | ---- | 200 UNCH |
| 70 | ---- | ---- | ---- | ---- | ---- | 0.26 + 0.07 | .4355 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 75 | ---- | ---- | #0.23B/---- | #0.23B/---- | ---- | 0.24 + 0.06 | .4114 | ---- | ---- | ---- | 1000 | 7250 + 1000 |
| 80 | ---- | ---- | #0.22B/---- | #0.22B/---- | ---- | 0.23 + 0.06 | .3908 | ---- | ---- | ---- | ---- | 1450 UNCH |
| 100 | ---- | ---- | #0.17B/---- | #0.17B/---- | ---- | 0.18 + 0.05 | .3135 | ---- | ---- | ---- | 250 | 3750 + 250 |
| 150 | ---- | ---- | #0.12B/---- | #0.12B/---- | ---- | 0.12 + 0.07 | .1965 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | 100 | 2150 | 24650 + 350 |
| JAN19 | | | | | | | | | | | | |
| 75 | ---- | ---- | #0.22B/---- | #0.22B/---- | ---- | 0.22 + 0.06 | .4095 | ---- | ---- | ---- | ---- | 3500 UNCH |
| 100 | ---- | ---- | #0.15B/---- | #0.15B/---- | ---- | 0.15 + 0.05 | .2978 | ---- | ---- | ---- | ---- | 3850 UNCH |
| TOTAL | | | | | | | | | | | | 7350 |
| FEB19 | | | | | | | | | | | | |
| 75 | ---- | ---- | #0.20B/---- | #0.20B/---- | ---- | 0.20 + 0.03 | .3765 | ---- | ---- | ---- | ---- | 3500 UNCH |
| 100 | ---- | ---- | #0.14B/---- | #0.14B/---- | ---- | 0.14 + 0.03 | .2754 | ---- | ---- | ---- | ---- | 3250 UNCH |
| TOTAL | | | | | | | | | | | | 6750 |
| MAR19 | | | | | | | | | | | | |
| 75 | ---- | ---- | #0.19B/---- | #0.19B/---- | ---- | 0.20 + 0.04 | .3635 | ---- | ---- | ---- | ---- | 3500 UNCH |
| 100 | ---- | ---- | #0.13B/---- | #0.13B/---- | ---- | 0.13 + 0.03 | .2600 | ---- | ---- | ---- | ---- | 3250 UNCH |
| TOTAL | | | | | | | | | | | | 6750 |
| APR19 | | | | | | | | | | | | |
| 75 | ---- | ---- | #0.17B/---- | #0.17B/---- | ---- | 0.17 + 0.01 | .3338 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 100 | ---- | ---- | #0.12B/---- | #0.12B/---- | ---- | 0.12 + 0.01 | .2429 | ---- | ---- | ---- | ---- | 2750 UNCH |
| TOTAL | | | | | | | | | | | | 5750 |
| MAY19 | | | | | | | | | | | | |
| 75 | ---- | ---- | #0.17B/---- | #0.17B/---- | ---- | 0.17 + 0.01 | .3229 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 100 | ---- | ---- | #0.12B/---- | #0.12B/---- | ---- | 0.12 + 0.01 | .2362 | ---- | ---- | ---- | ---- | 2750 UNCH |
| TOTAL | | | | | | | | | | | | 5750 |
| JUN19 | | | | | | | | | | | | |
| 75 | ---- | ---- | #0.19B/---- | #0.19B/---- | ---- | 0.19 + 0.01 | .3500 | ---- | ---- | ---- | ---- | 3000 UNCH |
| 100 | ---- | ---- | #0.13B/---- | #0.13B/---- | ---- | 0.13 + 0.01 | .2545 | ---- | ---- | ---- | ---- | 2750 UNCH |
| TOTAL | | | | | | | | | | | | 5750 |
| WA PUT | | WTI CRUDE OIL 1MO CAL SPRD OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 250 UNCH |
| - 100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 2150 UNCH |
| - 40 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0019 | ---- | ---- | ---- | ---- | 1200 UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0039 | ---- | ---- | ---- | ---- | 5125 UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.01 | .0060 | ---- | ---- | ---- | ---- | 100 UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.02 | .0113 | ---- | ---- | ---- | ---- | 7025 UNCH |
| 10 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.03 | .0166 | ---- | ---- | ---- | ---- | 50 UNCH |
| 15 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.03 | .0200 | ---- | ---- | ---- | ---- | 1100 UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.04 | .0240 | ---- | ---- | ---- | ---- | 900 UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.04 | .0287 | ---- | ---- | ---- | ---- | 2250 UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.05 | .0340 | ---- | ---- | ---- | ---- | 1850 UNCH |
| 40 | ---- | ---- | ----/*0.07A | ----/*0.07A | ---- | 0.02 - 0.06 | .0595 | ---- | ---- | ---- | ---- | 1500 UNCH |
| 45 | ---- | ---- | ---- | ---- | ---- | 0.02 - 0.07 | .0614 | ---- | ---- | ---- | ---- | 500 UNCH |
| 50 | ---- | ---- | ----/*0.10A | ----/*0.10A | ---- | 0.02 - 0.09 | .0635 | ---- | ---- | ---- | ---- | 1500 UNCH |
| TOTAL | | | | | | | | | | | | 25500 |
| SEP18 | | | | | | | | | | | | |

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# ENERGY OPTIONS

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**





THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WA PUT | | WTI CRUDE OIL 1MO CAL SPRD OPTIONS | | | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0000 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0004 | ---- | ---- | ---- | ---- | 2150 | UNCH |
| - 40 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0068 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.01 | .0122 | ---- | ---- | ---- | ---- | 6500 | UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.02 | .0176 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 0 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.03 | .0296 | ---- | ---- | ---- | ---- | 7075 | UNCH |
| 5 | ---- | ---- | ---- | ---- | ---- | 0.01 | - 0.04 | .0348 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 10 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.03 | .0584 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 15 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.04 | .0601 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.05 | .0619 | ---- | ---- | ---- | ---- | 900 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.05 | .0639 | ---- | ---- | ---- | ---- | 4000 | UNCH |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.03 | - 0.05 | .0860 | ---- | ---- | ---- | ---- | 1850 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.05 | .1249 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| 45 | ---- | ---- | ---- | ---- | ---- | 0.06 | - 0.05 | .1430 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.07 | - 0.06 | .1605 | ---- | ---- | ---- | 1000 | 1600 + | 350 |
| 60 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.04 | .2225 | ---- | ---- | ---- | 900 | 1400 + | 900 |
| 75 | ---- | ---- | ---- | ---- | ---- | 0.16 | - 0.05 | .2759 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.25 | NEW | .3757 | ---- | ---- | ---- | 500 | 500 + | 500 |
| TOTAL | | | | | | | | | | | | 2400 | 32625 + | 1750 |
| OCT18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0068 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0277 | ---- | ---- | ---- | ---- | 2150 | UNCH |
| - 40 | ---- | ---- | ---- | ---- | ---- | 0.02 | - 0.01 | .0611 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .1042 | ---- | ---- | ---- | ---- | 4675 | UNCH |
| - 15 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .1265 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 0 | ---- | ---- | ----/0.06A | ----/0.06A | ---- | 0.07 | - 0.02 | .1680 | ---- | ---- | ---- | ---- | 7000 | UNCH |
| 5 | ---- | ---- | ---- | ---- | ---- | 0.08 | - 0.02 | .1861 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 15 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.02 | .2316 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 20 | ---- | ---- | ---- | ---- | ---- | 0.12 | - 0.02 | .2492 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 25 | 0.14 | 0.14 | 0.14/0.14 | 0.14/0.14 | ---- | 0.14 | - 0.02 | .2747 | ---- | ---- | 100 | ---- | 12400 + | 100 |
| 30 | ---- | ---- | ---- | ---- | ---- | 0.15 | - 0.02 | .2926 | ---- | ---- | ---- | ---- | 1750 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.19 | - 0.02 | .3408 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 45 | ---- | ---- | ---- | ---- | ---- | 0.21 | - 0.02 | .3642 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 50 | ---- | ---- | ---- | ---- | ---- | 0.24 | - 0.02 | .3906 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| TOTAL | | | | | | | | | | | 100 | | 33825 + | 100 |
| NOV18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0066 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0295 | ---- | ---- | ---- | ---- | 2150 | UNCH |
| - 40 | ---- | ---- | ----/*0.03A | ----/*0.03A | ---- | 0.02 | - 0.02 | .0665 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| - 25 | ---- | ---- | ----/0.04A | ----/0.04A | ---- | 0.03 | - 0.02 | .0956 | ---- | ---- | ---- | ---- | 4625 | UNCH |
| - 15 | ---- | ---- | ----/0.04A | ----/0.04A | ---- | 0.04 | - 0.03 | .1222 | ---- | ---- | ---- | ---- | 200 | UNCH |
| 0 | ---- | ---- | ----/0.08A | ----/0.08A | ---- | 0.07 | - 0.03 | .1855 | ---- | ---- | ---- | ---- | 6900 | UNCH |
| 5 | ---- | ---- | ----/0.10A | ----/0.10A | ---- | 0.08 | - 0.04 | .2060 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 15 | ---- | ---- | ----/0.13A | ----/0.13A | ---- | 0.10 | - 0.05 | .2473 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 20 | ---- | ---- | ----/0.14A | ----/0.14A | ---- | 0.12 | - 0.05 | .2774 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 25 | ---- | ---- | ----/0.16A | ----/0.16A | ---- | 0.14 | - 0.06 | .3060 | ---- | ---- | ---- | ---- | 11550 | UNCH |
| 30 | ---- | ---- | ----/0.19A | ----/0.19A | ---- | 0.16 | - 0.06 | .3336 | ---- | ---- | ---- | ---- | 1750 | UNCH |
| 35 | ---- | ---- | ----/0.22A | ----/0.22A | ---- | 0.18 | - 0.06 | .3605 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 40 | ---- | ---- | ----/0.25A | ----/0.25A | ---- | 0.20 | - 0.06 | .3870 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 45 | ---- | ---- | ----/0.28A | ----/0.28A | ---- | 0.22 | - 0.07 | .4134 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 50 | ---- | ---- | ----/0.31A | ----/0.31A | ---- | 0.25 | - 0.07 | .4419 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| TOTAL | | | | | | | | | | | | | 32925 | |
| DEC18 | | | | | | | | | | | | | | |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0066 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 100 | ---- | ---- | ---- | ---- | ---- | 0.01 | UNCH | .0302 | ---- | ---- | ---- | ---- | 2150 | UNCH |
| - 50 | ---- | ---- | ----/0.02A | ----/0.02A | ---- | 0.02 | - 0.01 | .0642 | ---- | ---- | ---- | ---- | 1700 | UNCH |
| - 40 | ---- | ---- | ----/*0.03A | ----/*0.03A | ---- | 0.03 | - 0.01 | .0888 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| - 25 | ---- | ---- | ----/0.04A | ----/0.04A | ---- | 0.04 | - 0.02 | .1171 | ---- | ---- | ---- | ---- | 4725 | UNCH |
| - 15 | ---- | ---- | ----/0.06A | ----/0.06A | ---- | 0.05 | - 0.02 | .1430 | ---- | ---- | ---- | ---- | 300 | UNCH |
| 0 | ---- | ---- | ----/0.09A | ----/0.09A | ---- | 0.07 | - 0.04 | .1919 | ---- | ---- | ---- | ---- | 13700 | UNCH |
| 5 | ---- | ---- | ----/0.11A | ----/0.11A | ---- | 0.09 | - 0.03 | .2248 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 10 | ---- | ---- | ----/0.12A | ----/0.12A | ---- | 0.10 | - 0.04 | .2453 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 15 | ---- | ---- | ----/0.14A | ----/0.14A | ---- | 0.12 | - 0.04 | .2751 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 20 | ---- | ---- | ----/0.15A | ----/0.15A | ---- | 0.13 | - 0.05 | .2960 | ---- | ---- | ---- | ---- | 600 | UNCH |
| 25 | 0.15 | 0.15 | 0.15/0.15 | 0.15/0.15 | ---- | 0.15 | - 0.05 | .3245 | ---- | ---- | 100 | ---- | 13800 | UNCH |
| 30 | ---- | ---- | ----/0.21A | ----/0.21A | ---- | 0.18 | - 0.04 | .3573 | ---- | ---- | ---- | ---- | 1750 | UNCH |
| 40 | ---- | ---- | ---- | ---- | ---- | 0.23 | - 0.03 | .4124 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| 45 | ---- | ---- | ----/0.28A | ----/0.28A | ---- | 0.25 | - 0.04 | .4376 | ---- | ---- | ---- | ---- | 500 | UNCH |
| 50 | ---- | ---- | ----/0.31A | ----/0.31A | ---- | 0.28 | - 0.04 | .4644 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| TOTAL | | | | | | | | | | | 100 | | 43775 | |
| JAN19 | | | | | | | | | | | | | | |
| - 40 | ---- | ---- | ---- | ---- | ---- | 0.04 | - 0.01 | .1055 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ----/*0.05A | ----/*0.05A | ---- | 0.05 | - 0.02 | .1323 | ---- | ---- | ---- | ---- | 4500 | UNCH |
| 0 | ---- | ---- | ----/*0.11A | ----/*0.11A | ---- | 0.09 | - 0.03 | .2143 | ---- | ---- | ---- | ---- | 9450 | UNCH |
| 25 | 0.17 | 0.17 | #0.17/*0.17 | #0.17/*0.17 | ---- | 0.16 | - 0.03 | .3279 | ---- | ---- | 100 | ---- | 3300 + | 100 |
| TOTAL | | | | | | | | | | | 100 | | 17350 + | 100 |
| FEB19 | | | | | | | | | | | | | | |
| - 40 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .1257 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ----/*0.05A | ----/*0.05A | ---- | 0.06 | - 0.02 | .1536 | ---- | ---- | ---- | ---- | 4500 | UNCH |
| 0 | ---- | ---- | ----/*0.10A | ----/*0.10A | ---- | 0.11 | - 0.02 | .2469 | ---- | ---- | ---- | ---- | 8700 | UNCH |
| 25 | 0.19 | 0.19 | 0.19/*0.19 | 0.19/*0.19 | ---- | 0.18 | - 0.03 | .3607 | ---- | ---- | 100 | ---- | 3500 + | 100 |
| TOTAL | | | | | | | | | | | 100 | | 16800 + | 100 |
| MAR19 | | | | | | | | | | | | | | |
| - 40 | ---- | ---- | ---- | ---- | ---- | 0.05 | - 0.01 | .1290 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ----/*0.06A | ----/*0.06A | ---- | 0.07 | - 0.01 | .1713 | ---- | ---- | ---- | ---- | 4500 | UNCH |
| 0 | ---- | ---- | ----/*0.11A | ----/*0.11A | ---- | 0.12 | - 0.03 | .2640 | ---- | ---- | ---- | ---- | 8700 | UNCH |
| 25 | 0.20 | 0.20 | 0.20/*0.20 | 0.20/*0.20 | ---- | 0.20 | - 0.03 | .3836 | ---- | ---- | 100 | ---- | 3500 + | 100 |
| TOTAL | | | | | | | | | | | 100 | | 16800 + | 100 |
| APR19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ----/0.07A | ----/0.07A | ---- | 0.08 | - 0.01 | .1897 | ---- | ---- | ---- | ---- | 4600 | UNCH |
| 0 | ---- | ---- | ----/0.13A | ----/0.13A | ---- | 0.13 | - 0.02 | .2836 | ---- | ---- | ---- | ---- | 4250 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.21 | - 0.01 | .4064 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| TOTAL | | | | | | | | | | | | | 10850 | |
| MAY19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.09 | UNCH | .2066 | ---- | ---- | ---- | ---- | 4600 | UNCH |
| 0 | ---- | ---- | ----/*0.14A | ----/*0.14A | ---- | 0.14 | - 0.02 | .3011 | ---- | ---- | ---- | ---- | 4250 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.23 | - 0.01 | .4290 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| TOTAL | | | | | | | | | | | | | 10850 | |
| JUN19 | | | | | | | | | | | | | | |
| - 50 | ---- | ---- | ---- | ---- | ---- | 0.06 | UNCH | .1370 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 25 | ---- | ---- | ----/0.08A | ----/0.08A | ---- | 0.09 | - 0.01 | .1980 | ---- | ---- | ---- | ---- | 4600 | UNCH |
| 0 | ---- | ---- | ----/0.14A | ----/0.14A | ---- | 0.14 | - 0.02 | .2864 | ---- | ---- | ---- | ---- | 4350 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.22 | - 0.02 | .4019 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| TOTAL | | | | | | | | | | | | | 11050 | |
| JUL19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.09 | - 0.01 | .2051 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.23 | - 0.03 | .4247 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| TOTAL | | | | | | | | | | | | | 3500 | |
| AUG19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.10 | - 0.01 | .2200 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.24 | - 0.03 | .4401 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| TOTAL | | | | | | | | | | | | | 3500 | |
| SEP19 | | | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.11 | - 0.02 | .2361 | ---- | ---- | ---- | ---- | 2000 | UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.28 | - 0.02 | .4645 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| TOTAL | | | | | | | | | | | | | 3500 | |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WA PUT | | WTI CRUDE OIL 1MO CAL SPRD OPTIONS | | | | | | | | | | |
| OCT19 | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.06 - 0.01 | .1801 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.22 - 0.04 | .4616 | ---- | ---- | ---- | ---- | 1500 UNCH |
| TOTAL | | | | | | | | | | | | 3500 |
| NOV19 | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.08 UNCH | .2138 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.26 - 0.02 | .4882 | ---- | ---- | ---- | ---- | 1500 UNCH |
| TOTAL | | | | | | | | | | | | 3500 |
| DEC19 | | | | | | | | | | | | |
| - 25 | ---- | ---- | ---- | ---- | ---- | 0.07 UNCH | .1894 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 25 | ---- | ---- | ---- | ---- | ---- | 0.22 - 0.02 | .4455 | ---- | ---- | ---- | ---- | 1500 UNCH |
| TOTAL | | | | | | | | | | | | 3500 |
| BV CALL | | WTI-BRENT SPREAD OPTION | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| - 900 | ---- | ---- | ---- | ---- | ---- | 4.15 + 0.92 | 1.0000 | ---- | ---- | ---- | ---- | 300 UNCH |
| - 800 | ---- | ---- | ---- | ---- | ---- | 3.15 + 0.92 | .9999 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 700 | ---- | ---- | ---- | ---- | ---- | 2.15 + 0.84 | .9973 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 650 | ---- | ---- | ---- | ---- | ---- | 1.67 + 0.76 | .9843 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 1.23 + 0.65 | .9251 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 550 | ---- | ---- | ---- | ---- | ---- | 0.83 + 0.46 | .7953 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.50 NEW | .5734 | ---- | ---- | ---- | 635 | 635 + 635 |
| - 450 | ---- | ---- | ---- | ---- | ---- | 0.23 + 0.12 | .2981 | ---- | ---- | ---- | 435 | 235 - 65 |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.10 + 0.05 | .1050 | ---- | ---- | ---- | ---- | 650 UNCH |
| - 350 | ---- | ---- | ---- | ---- | ---- | 0.03 + 0.01 | .0195 | ---- | ---- | ---- | ---- | 300 UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0023 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | 1070 | 3520 + 570 |
| SEP18 | | | | | | | | | | | | |
| -1100 | ---- | ---- | #4.68B/4.32A | #4.68B/4.32A | ---- | 4.94 + 0.59 | .9130 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 900 | ---- | ---- | #3.12B/---- | #3.12B/---- | ---- | 3.23 + 0.51 | .7895 | ---- | ---- | ---- | ---- | 750 UNCH |
| - 800 | ---- | ---- | #2.33B/---- | #2.33B/---- | ---- | 2.46 + 0.47 | .7017 | ---- | ---- | ---- | ---- | 800 UNCH |
| - 750 | ---- | ---- | #2.02B/---- | #2.02B/---- | ---- | 2.10 + 0.42 | .6515 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 700 | ---- | ---- | #1.67B/---- | #1.67B/---- | ---- | 1.77 + 0.37 | .5960 | ---- | ---- | ---- | ---- | 1750 UNCH |
| - 650 | ---- | ---- | #1.39B/---- | #1.39B/---- | ---- | 1.47 + 0.35 | .5368 | ---- | ---- | ---- | ---- | 1500 UNCH |
| - 600 | ---- | ---- | #1.16B/---- | #1.16B/---- | ---- | 1.21 + 0.34 | .4753 | ---- | ---- | ---- | ---- | 1500 UNCH |
| - 550 | ---- | ---- | #0.97B/---- | #0.97B/---- | ---- | 1.00 + 0.27 | .4150 | ---- | ---- | ---- | ---- | 2150 UNCH |
| - 500 | ---- | ---- | #0.76B/---- | #0.76B/---- | ---- | 0.84 + 0.23 | .3600 | ---- | ---- | ---- | ---- | 1000 UNCH |
| - 400 | ---- | ---- | #0.46B/---- | #0.46B/---- | ---- | 0.58 + 0.19 | .2646 | ---- | ---- | ---- | 500 | 2500 + 500 |
| - 250 | ---- | ---- | ---- | ---- | ---- | 0.28 + 0.11 | .1471 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | 500 | 13050 + 500 |
| OCT18 | | | | | | | | | | | | |
| - 900 | ---- | ---- | #2.59B/---- | #2.59B/---- | ---- | 2.68 + 0.27 | .6704 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 800 | ---- | ---- | #2.00B/---- | #2.00B/---- | ---- | 2.05 + 0.23 | .5775 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 600 | ---- | ---- | #1.11B/---- | #1.11B/---- | ---- | 1.08 + 0.17 | .3815 | ---- | ---- | ---- | ---- | 1080 UNCH |
| - 550 | ---- | ---- | #0.86B/---- | #0.86B/---- | ---- | 0.89 + 0.15 | .3339 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 400 | ---- | ---- | #0.46B/---- | #0.46B/---- | ---- | 0.48 + 0.09 | .2095 | ---- | ---- | ---- | ---- | 1100 UNCH |
| - 300 | ---- | ---- | #0.27B/---- | #0.27B/---- | ---- | 0.30 + 0.05 | .1440 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 0.24 + 0.04 | .1191 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.15 + 0.03 | .0792 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 4380 |
| NOV18 | | | | | | | | | | | | |
| - 600 | ---- | ---- | #1.02B/---- | #1.02B/---- | ---- | 1.03 + 0.09 | .3495 | ---- | ---- | ---- | ---- | 30 UNCH |
| - 550 | ---- | ---- | ---- | ---- | ---- | 0.86 + 0.08 | .3073 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.48 + 0.05 | .1971 | ---- | ---- | ---- | ---- | 1350 UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 0.31 + 0.04 | .1389 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 0.24 + 0.03 | .1132 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.15 + 0.02 | .0758 | ---- | ---- | ---- | ---- | 500 UNCH |
| TOTAL | | | | | | | | | | | | 2980 |
| DEC18 | | | | | | | | | | | | |
| -1050 | ---- | ---- | ---- | ---- | ---- | 3.52 + 0.06 | .6926 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 950 | ---- | ---- | ----/2.65A | ----/2.65A | ---- | 2.84 + 0.03 | .6219 | ---- | ---- | ---- | ---- | 1500 UNCH |
| - 900 | ---- | ---- | ----/2.37A | ----/2.37A | ---- | 2.52 + 0.01 | .5838 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 850 | ---- | ---- | ----/2.10A | ----/2.10A | ---- | 2.23 + 0.01 | .5442 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 800 | ---- | ---- | ----/1.85A | ----/1.85A | ---- | 1.94 + 0.01 | .5033 | ---- | ---- | ---- | ---- | 2000 UNCH |
| - 750 | ---- | ---- | ----/1.59A | ----/1.59A | ---- | 1.68 + 0.03 | .4614 | ---- | ---- | ---- | ---- | 500 UNCH |
| - 600 | ---- | ---- | 1.02B/---- | 1.02B/---- | ---- | 1.05 + 0.04 | .3372 | ---- | ---- | ---- | ---- | 4630 UNCH |
| - 550 | ---- | ---- | ----/0.83A | ----/0.83A | ---- | 0.88 + 0.03 | .2978 | ---- | ---- | ---- | ---- | 100 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.73 + 0.02 | .2601 | ---- | ---- | ---- | ---- | 1000 UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 0.61 + 0.02 | .2265 | ---- | ---- | ---- | ---- | 600 UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.50 + 0.01 | .1944 | ---- | ---- | ---- | ---- | 6450 UNCH |
| - 350 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .1639 | ---- | ---- | ---- | ---- | 5050 UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 0.33 UNCH | .1396 | ---- | ---- | ---- | ---- | 875 UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 0.26 UNCH | .1153 | ---- | ---- | ---- | ---- | 650 UNCH |
| - 200 | ---- | ---- | ---- | ---- | ---- | 0.21 UNCH | .0962 | ---- | ---- | ---- | ---- | 6750 UNCH |
| - 150 | ---- | ---- | ---- | ---- | ---- | 0.16 - 0.01 | .0771 | ---- | ---- | ---- | ---- | 1050 UNCH |
| - 100 | ---- | ---- | ---- | ---- | ---- | 0.13 UNCH | .0640 | ---- | ---- | ---- | ---- | 250 UNCH |
| 0 | ---- | ---- | ----/0.07A | ----/0.07A | ---- | 0.08 UNCH | .0418 | ---- | ---- | ---- | ---- | 41379 UNCH |
| 100 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0273 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0172 | ---- | ---- | ---- | ---- | 12187 UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0116 | ---- | ---- | ---- | ---- | 2500 UNCH |
| 500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0058 | ---- | ---- | ---- | ---- | 1750 UNCH |
| TOTAL | | | | | | | | | | | | 91721 |
| JAN19 | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.23 - 0.02 | .3947 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.60 - 0.01 | .2337 | ---- | ---- | ---- | 500 | 750 + 500 |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.01 | .1698 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 0.28 - 0.01 | .1245 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | 500 | 1200 + 500 |
| FEB19 | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.27 - 0.05 | .3856 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.64 - 0.03 | .2344 | ---- | ---- | ---- | ---- | 250 UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.44 - 0.02 | .1744 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 0.29 - 0.02 | .1245 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 700 |
| MAR19 | | | | | | | | | | | | |
| - 800 | ---- | ---- | ---- | ---- | ---- | 1.79 - 0.08 | .4628 | ---- | ---- | ---- | ---- | 2000 UNCH |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.35 - 0.06 | .3844 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.70 - 0.04 | .2402 | ---- | ---- | ---- | ---- | 250 UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.49 - 0.02 | .1819 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 0.34 - 0.02 | .1348 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 2700 |
| APR19 | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.38 - 0.07 | .3814 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.75 - 0.04 | .2446 | ---- | ---- | ---- | ---- | 250 UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.53 - 0.03 | .1872 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | | | 650 |
| MAY19 | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.44 - 0.07 | .3833 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.04 | .2503 | ---- | ---- | ---- | ---- | 250 UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.58 - 0.03 | .1950 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | | | 650 |
| JUN19 | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.54 - 0.05 | .3886 | ---- | ---- | ---- | ---- | 200 UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.88 - 0.04 | .2600 | ---- | ---- | ---- | ---- | 250 UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.65 - 0.03 | .2058 | ---- | ---- | ---- | ---- | 200 UNCH |

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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# ENERGY OPTIONS

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**FINAL**

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Side 113



THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BV CALL | | WTI-BRENT SPREAD OPTION | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 650 | |
| JUL19 | | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.58 - 0.05 | .3863 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.92 - 0.04 | .2620 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.69 - 0.02 | .2096 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 650 | |
| AUG19 | | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.61 - 0.06 | .3850 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.96 - 0.03 | .2647 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.72 - 0.03 | .2125 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 650 | |
| SEP19 | | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.72 - 0.05 | .3906 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 1.05 - 0.04 | .2741 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.03 | .2230 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 650 | |
| OCT19 | | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.78 - 0.05 | .3946 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 1.10 - 0.03 | .2796 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.84 - 0.03 | .2285 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 650 | |
| NOV19 | | | | | | | | | | | | | |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.88 - 0.05 | .3999 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 1.18 - 0.04 | .2876 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.92 - 0.03 | .2381 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 650 | |
| DEC19 | | | | | | | | | | | | | |
| - 950 | ---- | ---- | ---- | ---- | ---- | 3.15 - 0.06 | .5570 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| - 700 | ---- | ---- | ---- | ---- | ---- | 1.92 - 0.05 | .4071 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 1.53 - 0.04 | .3485 | ---- | ---- | ---- | ---- | 1950 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 1.19 - 0.05 | .2921 | ---- | ---- | ---- | ---- | 450 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.91 - 0.06 | .2399 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 200 | ---- | ---- | ---- | ---- | ---- | 0.52 - 0.05 | .1545 | ---- | ---- | ---- | ---- | 250 | UNCH |
| 0 | ---- | ---- | ----/0.30A | ----/0.30A | ---- | 0.30 - 0.05 | .0967 | ---- | ---- | ---- | ---- | 7500 | UNCH |
| 200 | ---- | ---- | ---- | ---- | ---- | 0.19 - 0.03 | .0631 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.15 - 0.02 | .0506 | ---- | ---- | ---- | ---- | 450 | UNCH |
| TOTAL | | | | | | | | | | | | 12600 | |
| BV PUT | | WTI-BRENT SPREAD OPTION | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | |
| -1200 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| -1100 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| -1000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 800 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0000 | ---- | ---- | ---- | ---- | 400 | UNCH |
| - 700 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.08 | .0026 | ---- | ---- | ---- | ---- | 150 | UNCH |
| - 650 | ---- | ---- | ---- | ---- | ---- | 0.03 - 0.16 | .0156 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 0.09 - 0.27 | .0748 | ---- | ---- | ---- | ---- | 300 | UNCH |
| - 550 | ---- | ---- | ---- | ---- | ---- | 0.19 - 0.46 | .2046 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 0.36 - 0.64 | .4265 | ---- | ---- | ---- | ---- | 1960 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 0.96 - 0.87 | .8949 | ---- | ---- | ---- | ---- | 550 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 1.87 - 0.92 | .9967 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 2.37 - 0.92 | .9976 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 4260 | |
| SEP18 | | | | | | | | | | | | | |
| -1600 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0068 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| -1200 | ---- | ---- | ---- | ---- | ---- | 0.08 - 0.04 | .0503 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| -1100 | ---- | ---- | ---- | ---- | ---- | 0.15 - 0.07 | .0870 | ---- | ---- | ---- | ---- | 100 | UNCH |
| -1000 | ---- | ---- | ----/*0.33A | ----/*0.33A | ---- | 0.26 - 0.11 | .1391 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 900 | ---- | ---- | ----/*0.51A | ----/*0.51A | ---- | 0.43 - 0.15 | .2105 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| - 850 | ---- | ---- | 0.71B/*0.65A | 0.71B/*0.65A | ---- | 0.54 - 0.16 | .2528 | ---- | ---- | ---- | ---- | 2050 | UNCH |
| - 750 | ---- | ---- | ----/*0.91A | ----/*0.91A | ---- | 0.80 - 0.24 | .3484 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 700 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 0.97 - 0.29 | .4039 | ---- | ---- | ---- | ---- | 1100 | UNCH |
| - 650 | ---- | ---- | ----/*1.26A | ----/*1.26A | ---- | 1.17 - 0.31 | .4631 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| - 600 | ---- | ---- | ----/*1.52A | ----/*1.52A | ---- | 1.41 - 0.32 | .5246 | ---- | ---- | ---- | ---- | 300 | UNCH |
| - 550 | ---- | ---- | ----/1.79A | ----/1.79A | ---- | 1.70 - 0.39 | .5849 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 2.04 - 0.43 | .6399 | ---- | ---- | ---- | ---- | 2800 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 2.78 - 0.46 | .7353 | ---- | ---- | ---- | ---- | 550 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 3.55 - 0.53 | .8213 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 3.97 - 0.55 | .8528 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 14050 | |
| OCT18 | | | | | | | | | | | | | |
| -1500 | ---- | ---- | ---- | ---- | ---- | 0.05 - 0.02 | .0298 | ---- | ---- | ---- | ---- | 250 | UNCH |
| -1300 | ---- | ---- | ---- | ---- | ---- | 0.16 - 0.05 | .0819 | ---- | ---- | ---- | ---- | 100 | UNCH |
| -1200 | ---- | ---- | ---- | ---- | ---- | 0.26 - 0.07 | .1236 | ---- | ---- | ---- | ---- | 100 | UNCH |
| -1000 | ---- | ---- | ---- | ---- | ---- | 0.61 - 0.14 | .2471 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 700 | ---- | ---- | ----/1.92A | ----/1.92A | ---- | 1.73 - 0.25 | .5207 | ---- | ---- | ---- | ---- | 150 | UNCH |
| - 600 | ---- | ---- | ----/2.45A | ----/2.45A | ---- | 2.29 - 0.28 | .6185 | ---- | ---- | ---- | ---- | 1800 | UNCH |
| - 550 | ---- | ---- | ---- | ---- | ---- | 2.59 - 0.31 | .6661 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 2.93 - 0.34 | .7109 | ---- | ---- | ---- | ---- | 1025 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 3.30 - 0.35 | .7515 | ---- | ---- | ---- | ---- | 750 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 3.68 - 0.37 | .7904 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 4.50 - 0.40 | .8559 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 4.93 - 0.42 | .8808 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 5175 | |
| NOV18 | | | | | | | | | | | | | |
| -1500 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.02 | .0516 | ---- | ---- | ---- | ---- | 250 | UNCH |
| -1000 | ---- | ---- | ---- | ---- | ---- | 0.85 - 0.09 | .2999 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 700 | ---- | ---- | ----/2.25A | ----/2.25A | ---- | 2.11 - 0.17 | .5619 | ---- | ---- | ---- | ---- | 150 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 2.70 - 0.20 | .6505 | ---- | ---- | ---- | ---- | 1800 | UNCH |
| - 550 | ---- | ---- | ---- | ---- | ---- | 3.03 - 0.21 | .6926 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 3.39 - 0.22 | .7328 | ---- | ---- | ---- | ---- | 1025 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 3.75 - 0.23 | .7721 | ---- | ---- | ---- | ---- | 750 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 4.14 - 0.24 | .8028 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 4.97 - 0.25 | .8610 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 5.39 - 0.26 | .8867 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | 4975 | |
| DEC18 | | | | | | | | | | | | | |
| -1500 | ---- | ---- | ---- | ---- | ---- | 0.24 - 0.01 | .0943 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| -1400 | ---- | ---- | ---- | ---- | ---- | 0.33 - 0.01 | .1249 | ---- | ---- | ---- | ---- | 100 | UNCH |
| -1200 | ---- | ---- | ---- | ---- | ---- | 0.64 + 0.01 | .2160 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| -1050 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.03 | .3073 | ---- | ---- | ---- | ---- | 500 | UNCH |
| -1000 | ---- | ---- | ----/1.15A | ----/1.15A | ---- | 1.15 - 0.04 | .3419 | ---- | ---- | ---- | 1500 | 4650 | UNCH |
| - 950 | ---- | ---- | ---- | ---- | ---- | 1.31 - 0.06 | .3780 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| - 900 | ---- | ---- | ----/1.52A | ----/1.52A | ---- | 1.49 - 0.08 | .4161 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 850 | ---- | ---- | ----/1.73A | ----/1.73A | ---- | 1.69 - 0.08 | .4558 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 800 | ---- | ---- | ----/1.97A | ----/1.97A | ---- | 1.90 - 0.08 | .4966 | ---- | ---- | ---- | ---- | 4000 | UNCH |
| - 750 | ---- | ---- | ---- | ---- | ---- | 2.14 - 0.06 | .5386 | ---- | ---- | ---- | ---- | 500 | UNCH |
| - 700 | ---- | ---- | ---- | ---- | ---- | 2.40 - 0.03 | .5805 | ---- | ---- | ---- | ---- | 400 | UNCH |
| - 600 | ---- | ---- | 3.07B/---- | 3.07B/---- | ---- | 3.00 - 0.05 | .6627 | ---- | ---- | ---- | ---- | 3800 | UNCH |
| - 550 | ---- | ---- | ---- | ---- | ---- | 3.32 - 0.06 | .7022 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 3.67 - 0.07 | .7398 | ---- | ---- | ---- | ---- | 2675 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.05 - 0.07 | .7734 | ---- | ---- | ---- | ---- | 750 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 4.43 - 0.08 | .8055 | ---- | ---- | ---- | ---- | 3996 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 5.26 - 0.09 | .8603 | ---- | ---- | ---- | ---- | 3933 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 5.68 - 0.09 | .8846 | ---- | ---- | ---- | ---- | 325 | UNCH |
| - 200 | ---- | ---- | ---- | ---- | ---- | 6.13 - 0.09 | .9037 | ---- | ---- | ---- | ---- | 300 | UNCH |
| - 150 | ---- | ---- | ---- | ---- | ---- | 6.58 - 0.10 | .9228 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | 1500 | 31479 | |
| JAN19 | | | | | | | | | | | | | |

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# ENERGY OPTIONS



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**FINAL**



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**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION,N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BV PUT | | WTI-BRENT SPREAD OPTION | | | | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.05 | | UNCH | .3437 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.02 | + | 0.01 | .6907 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 3.74 | + | 0.02 | .7662 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.13 | + | 0.02 | .8001 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 4.53 | + | 0.02 | .8301 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 5.41 | + | 0.02 | .8754 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 5.86 | + | 0.03 | .8922 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| FEB19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.22 | + | 0.03 | .3669 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.26 | + | 0.08 | .6955 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 3.97 | + | 0.08 | .7655 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.35 | + | 0.08 | .8047 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 4.76 | + | 0.09 | .8255 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 5.60 | + | 0.09 | .8754 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.04 | + | 0.10 | .9113 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| MAR19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.41 | + | 0.04 | .3846 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 900 | ---- | ---- | ---- | ---- | ---- | 1.80 | + | 0.06 | .4589 | ---- | ---- | ---- | ---- | 1000 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.42 | + | 0.09 | .6915 | ---- | ---- | ---- | ---- | 1045 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.13 | + | 0.10 | .7597 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.50 | + | 0.10 | .7999 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 4.90 | + | 0.11 | .8181 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 5.74 | + | 0.12 | .8651 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.18 | + | 0.12 | .9034 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 4495 | |
| APR19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.48 | + | 0.05 | .3931 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.54 | + | 0.10 | .6950 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.26 | + | 0.13 | .7553 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.63 | + | 0.13 | .7951 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.03 | + | 0.14 | .8127 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 5.86 | + | 0.15 | .8754 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.29 | + | 0.14 | .8988 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| MAY19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.57 | + | 0.05 | .3990 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.64 | + | 0.10 | .6893 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.33 | + | 0.11 | .7496 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.70 | + | 0.10 | .7892 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.10 | + | 0.12 | .8049 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 5.92 | + | 0.13 | .8688 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.35 | + | 0.12 | .8913 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| JUN19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.67 | + | 0.05 | .4035 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.71 | + | 0.07 | .6829 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.41 | + | 0.09 | .7399 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.77 | + | 0.09 | .7787 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.16 | + | 0.10 | .7942 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 5.96 | + | 0.11 | .8602 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.39 | + | 0.11 | .8817 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| JUL19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.78 | + | 0.04 | .4123 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.85 | + | 0.08 | .6820 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.53 | + | 0.08 | .7379 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.90 | + | 0.09 | .7752 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.28 | + | 0.10 | .7903 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 6.08 | + | 0.10 | .8553 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.50 | + | 0.10 | .8782 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| AUG19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.86 | + | 0.04 | .4182 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.93 | + | 0.07 | .6825 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.62 | + | 0.09 | .7352 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.98 | + | 0.09 | .7738 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.36 | + | 0.09 | .7874 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 6.15 | + | 0.09 | .8541 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.57 | + | 0.10 | .8767 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| SEP19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 1.97 | + | 0.05 | .4213 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 4.01 | + | 0.06 | .6750 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.69 | + | 0.08 | .7258 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 5.05 | + | 0.09 | .7634 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.42 | + | 0.09 | .7769 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 6.19 | + | 0.09 | .8447 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.61 | + | 0.10 | .8663 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| OCT19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 2.00 | + | 0.04 | .4208 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 4.04 | + | 0.08 | .6695 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.70 | + | 0.08 | .7203 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 5.05 | + | 0.08 | .7591 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.42 | + | 0.09 | .7715 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 6.19 | + | 0.10 | .8390 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.60 | + | 0.10 | .8620 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| NOV19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 2.08 | + | 0.05 | .4218 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 4.09 | + | 0.06 | .6630 | ---- | ---- | ---- | ---- | 45 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.75 | + | 0.08 | .7123 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 5.10 | + | 0.08 | .7493 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.46 | + | 0.09 | .7618 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 6.22 | + | 0.10 | .8286 | ---- | ---- | ---- | ---- | 350 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.62 | + | 0.10 | .8524 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 2495 | |
| DEC19 | | | | | | | | | | | | | | | |
| -1000 | ---- | ---- | ---- | ---- | ---- | 2.02 | + | 0.04 | .4141 | ---- | ---- | ---- | ---- | 200 | UNCH |
| - 950 | ---- | ---- | ----/*2.05A | ----/*2.05A | ---- | 2.22 | + | 0.05 | .4429 | ---- | ---- | ---- | ---- | 1500 | UNCH |
| - 600 | ---- | ---- | ---- | ---- | ---- | 3.99 | + | 0.06 | .6514 | ---- | ---- | ---- | ---- | 795 | UNCH |
| - 500 | ---- | ---- | ---- | ---- | ---- | 4.62 | + | 0.06 | .7078 | ---- | ---- | ---- | ---- | 1250 | UNCH |
| - 450 | ---- | ---- | ---- | ---- | ---- | 4.96 | + | 0.05 | .7472 | ---- | ---- | ---- | ---- | 250 | UNCH |
| - 400 | ---- | ---- | ---- | ---- | ---- | 5.31 | + | 0.05 | .7600 | ---- | ---- | ---- | ---- | 100 | UNCH |
| - 300 | ---- | ---- | ---- | ---- | ---- | 6.05 | + | 0.04 | .8074 | ---- | ---- | ---- | ---- | 400 | UNCH |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.46 | + | 0.06 | .8562 | ---- | ---- | ---- | ---- | 300 | UNCH |
| TOTAL | | | | | | | | | | | | | | 4795 | |
| JAN20 | | | | | | | | | | | | | | | |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.26 | + | 0.08 | .8542 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| FEB20 | | | | | | | | | | | | | | | |
| - 250 | ---- | ---- | ---- | ---- | ---- | 6.28 | + | 0.08 | .8957 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BV PUT | | WTI-BRENT SPREAD OPTION | | | | | | | | | | | | | |
| MAR20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.28 | + | 0.09 | .8930 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| APR20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.27 | + | 0.08 | .8902 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| MAY20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.26 | + | 0.09 | .8875 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| JUN20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.24 | + | 0.08 | .8847 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| JUL20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.25 | + | 0.08 | .8823 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| AUG20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.22 | + | 0.08 | .8771 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| SEP20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.21 | + | 0.09 | .8723 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| OCT20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.15 | + | 0.08 | .8692 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| NOV20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.11 | + | 0.09 | .8619 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |
| DEC20 - 250 | ---- | ---- | ---- | ---- | ---- | 6.01 | + | 0.10 | .8520 | ---- | ---- | ---- | ---- | 200 | UNCH |
| TOTAL | | | | | | | | | | | | | | 200 | |

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## OPTIONS EOO'S AND BLOCKS

| PRODUCT | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME |
|---|---|---|---|
| LO CALL | NYMEX CRUDE OIL OPTIONS (PHY) | | |
| AUG18 CALL | | | |
| LO | 7000 | 0 | 1000 |
| LO | 7200 | 0 | 150 |
| LO | 7250 | 0 | 100 |
| LO | 7300 | 0 | 1100 |
| LO | 7400 | 0 | 1000 |
| LO | 7500 | 0 | 1000 |
| LO | 7650 | 0 | 200 |
| LO | 7700 | 0 | 700 |
| LO | 8000 | 0 | 800 |
| LO | 8050 | 0 | 100 |
| TOTALS | | 0 | 6150 |
| SEP18 CALL | | | |
| LO | 6950 | 0 | 300 |
| LO | 7000 | 0 | 1050 |
| LO | 7200 | 0 | 150 |
| LO | 7500 | 0 | 1600 |
| LO | 7600 | 0 | 1000 |
| LO | 7700 | 0 | 200 |
| LO | 8000 | 0 | 2000 |
| LO | 8800 | 0 | 350 |
| LO | 8900 | 0 | 1000 |
| TOTALS | | 0 | 7650 |
| OCT18 CALL | | | |
| LO | 6900 | 0 | 1150 |
| LO | 6950 | 0 | 750 |
| LO | 7000 | 0 | 475 |
| TOTALS | | 0 | 2375 |
| DEC18 CALL | | | |
| LO | 7000 | 0 | 325 |
| LO | 7200 | 0 | 3000 |
| LO | 8200 | 0 | 3000 |
| TOTALS | | 0 | 6325 |
| JAN19 CALL | | | |
| LO | 7000 | 0 | 200 |
| TOTALS | | 0 | 200 |
| MAR19 CALL | | | |
| LO | 7000 | 0 | 100 |
| TOTALS | | 0 | 100 |
| JUN19 CALL | | | |
| LO | 6550 | 0 | 200 |
| LO | 6600 | 0 | 100 |
| LO | 7000 | 0 | 100 |
| LO | 7500 | 0 | 2000 |
| LO | 8000 | 0 | 150 |
| LO | 8500 | 0 | 800 |
| LO | 9000 | 0 | 100 |
| LO | 9500 | 0 | 1600 |
| LO | 11000 | 0 | 500 |
| TOTALS | | 0 | 5550 |
| SEP19 CALL | | | |
| LO | 6450 | 0 | 850 |
| LO | 6750 | 0 | 200 |
| LO | 7000 | 0 | 450 |
| LO | 7400 | 0 | 350 |
| LO | 7500 | 0 | 200 |
| LO | 7700 | 0 | 50 |
| LO | 8400 | 0 | 700 |
| LO | 8500 | 0 | 450 |
| LO | 9400 | 0 | 350 |
| TOTALS | | 0 | 3600 |
| DEC19 CALL | | | |
| LO | 6500 | 0 | 400 |
| LO | 7000 | 0 | 200 |
| LO | 7500 | 0 | 550 |
| LO | 10500 | 0 | 100 |
| TOTALS | | 0 | 1250 |
| DEC20 CALL | | | |
| LO | 10000 | 0 | 150 |
| TOTALS | | 0 | 150 |
| LO PUT | NYMEX CRUDE OIL OPTIONS (PHY) | | |
| AUG18 PUT | | | |
| LO | 6250 | 0 | 340 |
| LO | 6700 | 0 | 300 |
| LO | 6800 | 0 | 150 |
| LO | 6900 | 0 | 950 |
| LO | 7000 | 0 | 900 |
| LO | 7100 | 0 | 150 |
| LO | 7200 | 0 | 350 |
| LO | 7250 | 0 | 100 |
| LO | 7300 | 0 | 100 |
| TOTALS | | 0 | 3340 |
| SEP18 PUT | | | |
| LO | 6000 | 0 | 1000 |
| LO | 6300 | 0 | 200 |
| LO | 6450 | 0 | 200 |
| LO | 6500 | 0 | 500 |
| LO | 6550 | 0 | 500 |
| LO | 6700 | 0 | 500 |
| LO | 6900 | 0 | 200 |
| LO | 7000 | 0 | 250 |
| TOTALS | | 0 | 3350 |
| OCT18 PUT | | | |
| LO | 6900 | 0 | 300 |
| TOTALS | | 0 | 300 |
| DEC18 PUT | | | |
| LO | 4800 | 0 | 400 |
| LO | 5000 | 0 | 400 |
| LO | 5500 | 0 | 800 |
| LO | 6000 | 0 | 900 |
| LO | 6600 | 0 | 2000 |
| TOTALS | | 0 | 4500 |
| JAN19 PUT | | | |
| LO | 6500 | 0 | 200 |
| TOTALS | | 0 | 200 |

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| | | | | |
|---|---|---|---|---|
| MAR19 | PUT | | | |
| LO | | 6200 | 0 | 200 |
| TOTALS | | | 0 | 200 |
| JUN19 | PUT | | | |
| LO | | 5000 | 0 | 150 |
| LO | | 5500 | 0 | 600 |
| LO | | 6000 | 0 | 100 |
| TOTALS | | | 0 | 850 |
| SEP19 | PUT | | | |
| LO | | 5000 | 0 | 700 |
| LO | | 5500 | 0 | 1350 |
| LO | | 5800 | 0 | 300 |
| LO | | 6200 | 0 | 600 |
| TOTALS | | | 0 | 2950 |
| DEC19 | PUT | | | |
| LO | | 4000 | 0 | 550 |
| LO | | 4500 | 0 | 700 |
| LO | | 5000 | 0 | 1150 |
| LO | | 6000 | 0 | 450 |
| TOTALS | | | 0 | 2850 |
| DEC21 | PUT | | | |
| LO | | 4500 | 0 | 400 |
| LO | | 5500 | 0 | 400 |
| TOTALS | | | 0 | 800 |
| OH CALL | | NYMEX HEATING OIL (PHY) OPTIONS | | |
| SEP18 | CALL | | | |
| OH | | 23000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| DEC18 | CALL | | | |
| OH | | 22500 | 0 | 100 |
| OH | | 23000 | 0 | 90 |
| TOTALS | | | 0 | 190 |
| OH PUT | | NYMEX HEATING OIL (PHY) OPTIONS | | |
| SEP18 | PUT | | | |
| OH | | 20000 | 0 | 500 |
| OH | | 21000 | 0 | 50 |
| TOTALS | | | 0 | 550 |
| DEC18 | PUT | | | |
| OH | | 21000 | 0 | 90 |
| TOTALS | | | 0 | 90 |
| OB CALL | | NYMEX RBOB (PHY) OPTIONS | | |
| AUG18 | CALL | | | |
| OB | | 21000 | 0 | 200 |
| OB | | 21500 | 0 | 25 |
| TOTALS | | | 0 | 225 |
| SEP18 | CALL | | | |
| OB | | 20600 | 0 | 100 |
| OB | | 21400 | 0 | 200 |
| TOTALS | | | 0 | 300 |
| APR19 | CALL | | | |
| OB | | 22600 | 0 | 100 |
| TOTALS | | | 0 | 100 |
| WA CALL | | WTI CRUDE OIL 1MO CAL SPRD OPTIONS | | |
| AUG18 | CALL | | | |
| WA | | 50 | 0 | 2000 |
| TOTALS | | | 0 | 2000 |
| OCT18 | CALL | | | |
| WA | | 75 | 0 | 1000 |
| WA | | 100 | 0 | 250 |
| TOTALS | | | 0 | 1250 |
| NOV18 | CALL | | | |
| WA | | 75 | 0 | 1000 |
| WA | | 100 | 0 | 250 |
| TOTALS | | | 0 | 1250 |
| DEC18 | CALL | | | |
| WA | | 50 | 0 | 900 |
| WA | | 75 | 0 | 1000 |
| WA | | 100 | 0 | 250 |
| TOTALS | | | 0 | 2150 |
| WA PUT | | WTI CRUDE OIL 1MO CAL SPRD OPTIONS | | |
| SEP18 | PUT | | | |
| WA | | 50 | 0 | 1000 |
| WA | | 60 | 0 | 900 |
| WA | | 100 | 0 | 500 |
| TOTALS | | | 0 | 2400 |
| LN CALL | | NYMEX NATURAL GAS (EURO) OPTS | | |
| AUG18 | CALL | | | |
| LN | | 3000 | 0 | 1200 |
| LN | | 3050 | 0 | 650 |
| LN | | 3250 | 0 | 550 |
| TOTALS | | | 0 | 2400 |
| SEP18 | CALL | | | |
| LN | | 3250 | 0 | 100 |
| TOTALS | | | 0 | 100 |
| OCT18 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| NOV18 | CALL | | | |
| LN | | 3150 | 0 | 36 |
| TOTALS | | | 0 | 36 |
| DEC18 | CALL | | | |
| LN | | 3400 | 0 | 33 |
| LN | | 3600 | 0 | 100 |
| TOTALS | | | 0 | 133 |
| JAN19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| LN | | 3200 | 0 | 75 |
| TOTALS | | | 0 | 225 |
| FEB19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| MAR19 | CALL | | | |
| LN | | 3000 | 0 | 150 |

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| | | | | |
|---|---|---|---|---|
| LN | | 3750 | 0 | 100 |
| TOTALS | | | 0 | 250 |
| APR19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| MAY19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| JUN19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| JUL19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| AUG19 | CALL | | | |
| LN | | 2700 | 0 | 100 |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 250 |
| SEP19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| OCT19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| NOV19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| DEC19 | CALL | | | |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| APR20 | CALL | | | |
| LN | | 3250 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| MAY20 | CALL | | | |
| LN | | 3250 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUN20 | CALL | | | |
| LN | | 3250 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUL20 | CALL | | | |
| LN | | 3250 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| AUG20 | CALL | | | |
| LN | | 3250 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| SEP20 | CALL | | | |
| LN | | 3250 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| OCT20 | CALL | | | |
| LN | | 3250 | 0 | 50 |
| TOTALS | | | 0 | 50 |

LN PUT NYMEX NATURAL GAS (EURO) OPTS

| | | | | |
|---|---|---|---|---|
| AUG18 | PUT | | | |
| LN | | 2750 | 0 | 1200 |
| LN | | 2800 | 0 | 650 |
| LN | | 2850 | 0 | 150 |
| LN | | 2900 | 0 | 500 |
| LN | | 3000 | 0 | 900 |
| TOTALS | | | 0 | 3400 |
| OCT18 | PUT | | | |
| LN | | 2500 | 0 | 200 |
| LN | | 2750 | 0 | 50 |
| LN | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 400 |
| NOV18 | PUT | | | |
| LN | | 2500 | 0 | 500 |
| TOTALS | | | 0 | 500 |
| DEC18 | PUT | | | |
| LN | | 2000 | 0 | 300 |
| LN | | 2300 | 0 | 250 |
| LN | | 2500 | 0 | 500 |
| LN | | 2650 | 0 | 500 |
| LN | | 2750 | 0 | 150 |
| LN | | 3000 | 0 | 250 |
| TOTALS | | | 0 | 1950 |
| JAN19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| LN | | 2950 | 0 | 100 |
| LN | | 3000 | 0 | 100 |
| TOTALS | | | 0 | 350 |
| FEB19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| MAR19 | PUT | | | |
| LN | | 1750 | 0 | 500 |
| LN | | 2000 | 0 | 500 |
| LN | | 2600 | 0 | 150 |
| LN | | 3000 | 0 | 100 |
| TOTALS | | | 0 | 1250 |
| APR19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| MAY19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| JUN19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| JUL19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| AUG19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| LN | | 2700 | 0 | 100 |

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| | | | | |
|---|---|---|---|---|
| TOTALS | | | 0 | 250 |
| SEP19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| OCT19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| NOV19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| DEC19 | PUT | | | |
| LN | | 2600 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| APR20 | PUT | | | |
| LN | | 2000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| MAY20 | PUT | | | |
| LN | | 2000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUN20 | PUT | | | |
| LN | | 2000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUL20 | PUT | | | |
| LN | | 2000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| AUG20 | PUT | | | |
| LN | | 2000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| SEP20 | PUT | | | |
| LN | | 2000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| OCT20 | PUT | | | |
| LN | | 2000 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| KD CALL | | NYMEX ONE DAY NATURAL GAS OPTIONS | | |
| JUN18 | CALL | | | |
| KD | | 3000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| KD PUT | | NYMEX ONE DAY NATURAL GAS OPTIONS | | |
| JUN18 | PUT | | | |
| KD | | 2975 | 0 | 300 |
| TOTALS | | | 0 | 300 |
| CD CALL | | NYMEX ONE DAY CRUDE OIL OPTIONS | | |
| JUN18 | CALL | | | |
| CD | | 7300 | 0 | 250 |
| TOTALS | | | 0 | 250 |
| BE CALL | | BRENT EURO STYLE OPTION | | |
| SEP18 | CALL | | | |
| BE | | 8100 | 0 | 759 |
| BE | | 8400 | 0 | 2000 |
| TOTALS | | | 0 | 2759 |
| DEC18 | CALL | | | |
| BE | | 8000 | 0 | 1748 |
| TOTALS | | | 0 | 1748 |
| BE PUT | | BRENT EURO STYLE OPTION | | |
| DEC18 | PUT | | | |
| BE | | 7000 | 0 | 3000 |
| TOTALS | | | 0 | 3000 |
| MAR19 | PUT | | | |
| BE | | 7000 | 0 | 1000 |
| TOTALS | | | 0 | 1000 |
| BV CALL | | WTI-BRENT SPREAD OPTION | | |
| AUG18 | CALL | | | |
| BV | | -500 | 0 | 635 |
| BV | | -450 | 0 | 435 |
| TOTALS | | | 0 | 1070 |
| SEP18 | CALL | | | |
| BV | | -400 | 0 | 500 |
| TOTALS | | | 0 | 500 |
| JAN19 | CALL | | | |
| BV | | -500 | 0 | 500 |
| TOTALS | | | 0 | 500 |
| BV PUT | | WTI-BRENT SPREAD OPTION | | |
| DEC18 | PUT | | | |
| BV | | -1000 | 0 | 1500 |
| TOTALS | | | 0 | 1500 |
| AO CALL | | CRUDE OIL APO OPTIONS | | |
| OCT18 | CALL | | | |
| AO | | 9000 | 0 | 100 |
| TOTALS | | | 0 | 100 |
| JAN19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| FEB19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| MAR19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| APR19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| MAY19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |

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| | | | | |
|---|---|---|---|---|
| TOTALS | | | 0 | 132 |
| JUN19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| JUL19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| AUG19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| SEP19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| OCT19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| NOV19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| TOTALS | | | 0 | 132 |
| DEC19 | CALL | | | |
| AO | | 6925 | 0 | 2 |
| AO | | 7500 | 0 | 130 |
| AO | | 8500 | 0 | 125 |
| TOTALS | | | 0 | 257 |
| AO PUT | | CRUDE OIL APO OPTIONS | | |
| JAN19 | PUT | | | |
| AO | | 5500 | 0 | 130 |
| AO | | 6000 | 0 | 256 |
| TOTALS | | | 0 | 386 |
| FEB19 | PUT | | | |
| AO | | 5500 | 0 | 130 |
| AO | | 6000 | 0 | 244 |
| TOTALS | | | 0 | 374 |
| MAR19 | PUT | | | |
| AO | | 5500 | 0 | 130 |
| AO | | 6000 | 0 | 256 |
| TOTALS | | | 0 | 386 |
| APR19 | PUT | | | |
| AO | | 5500 | 0 | 130 |
| AO | | 6000 | 0 | 132 |
| TOTALS | | | 0 | 262 |
| MAY19 | PUT | | | |
| AO | | 5500 | 0 | 130 |
| AO | | 6000 | 0 | 132 |
| TOTALS | | | 0 | 262 |
| JUN19 | PUT | | | |
| AO | | 5500 | 0 | 130 |
| AO | | 6000 | 0 | 132 |
| TOTALS | | | 0 | 262 |
| JUL19 | PUT | | | |
| AO | | 5500 | 0 | 230 |
| AO | | 6000 | 0 | 132 |
| AO | | 6500 | 0 | 100 |
| TOTALS | | | 0 | 462 |
| AUG19 | PUT | | | |
| AO | | 5500 | 0 | 230 |
| AO | | 6000 | 0 | 132 |
| AO | | 6500 | 0 | 100 |
| TOTALS | | | 0 | 462 |
| SEP19 | PUT | | | |
| AO | | 5500 | 0 | 230 |
| AO | | 6000 | 0 | 132 |
| AO | | 6500 | 0 | 100 |
| TOTALS | | | 0 | 462 |
| OCT19 | PUT | | | |
| AO | | 5500 | 0 | 230 |
| AO | | 6000 | 0 | 132 |
| AO | | 6500 | 0 | 100 |
| TOTALS | | | 0 | 462 |
| NOV19 | PUT | | | |
| AO | | 5500 | 0 | 230 |
| AO | | 6000 | 0 | 132 |
| AO | | 6500 | 0 | 100 |
| TOTALS | | | 0 | 462 |
| DEC19 | PUT | | | |
| AO | | 4205 | 0 | 125 |
| AO | | 5500 | 0 | 230 |
| AO | | 6000 | 0 | 132 |
| AO | | 6500 | 0 | 100 |
| TOTALS | | | 0 | 587 |
| AT CALL | | HEATING OIL APO (AVG PRICE) OPTIONS | | |
| JAN19 | CALL | | | |
| AT | | 21900 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| FEB19 | CALL | | | |
| AT | | 21900 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| MAR19 | CALL | | | |
| AT | | 21900 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| APR19 | CALL | | | |
| AT | | 21900 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| MAY19 | CALL | | | |
| AT | | 21900 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUN19 | CALL | | | |
| AT | | 21900 | 0 | 50 |
| TOTALS | | | 0 | 50 |

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# ENERGY OPTIONS



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| | | | | |
|---|---|---|---|---|
| 7A CALL | | WTI CRUDE OIL 1 M CSO FIN | | |
| AUG18 | CALL | | | |
| 7A | | 75 | 0 | 200 |
| TOTALS | | | 0 | 200 |
| SEP18 | CALL | | | |
| 7A | | 75 | 0 | 200 |
| 7A | | 100 | 0 | 500 |
| TOTALS | | | 0 | 700 |
| OCT18 | CALL | | | |
| 7A | | 75 | 0 | 200 |
| 7A | | 100 | 0 | 500 |
| TOTALS | | | 0 | 700 |
| NOV18 | CALL | | | |
| 7A | | 75 | 0 | 200 |
| 7A | | 100 | 0 | 500 |
| TOTALS | | | 0 | 700 |
| DEC18 | CALL | | | |
| 7A | | 75 | 0 | 200 |
| 7A | | 100 | 0 | 500 |
| TOTALS | | | 0 | 700 |
| 7A PUT | | WTI CRUDE OIL 1 M CSO FIN | | |
| SEP18 | PUT | | | |
| 7A | | 25 | 0 | 700 |
| 7A | | 60 | 0 | 500 |
| 7A | | 75 | 0 | 700 |
| TOTALS | | | 0 | 1900 |
| 9C PUT | | BRENT CRUDE OIL 1 M CSO FIN | | |
| AUG18 | PUT | | | |
| 9C | | 10 | 0 | 1500 |
| TOTALS | | | 0 | 1500 |
| G6 CALL | | NATURAL GAS 6 M CSO FIN | | |
| APR19 | CALL | | | |
| G6 | | 0 | 0 | 500 |
| TOTALS | | | 0 | 500 |
| G6 PUT | | NATURAL GAS 6 M CSO FIN | | |
| APR19 | PUT | | | |
| G6 | | -150 | 0 | 500 |
| TOTALS | | | 0 | 500 |
| E7 CALL | | HENRY HUB FINANCIAL LAST DAY O | | |
| JUL18 | CALL | | | |
| E7 | | 300 | 0 | 175 |
| TOTALS | | | 0 | 175 |
| E7 PUT | | HENRY HUB FINANCIAL LAST DAY O | | |
| JUL18 | PUT | | | |
| E7 | | 295 | 0 | 700 |
| TOTALS | | | 0 | 700 |
| 4K CALL | | MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | |
| DEC18 | CALL | | | |
| 4K | | 12000 | 0 | 100 |
| TOTALS | | | 0 | 100 |
| 4K PUT | | MT BELVIEU NRM BUTANE 5-DCML (OPIS) | | |
| DEC18 | PUT | | | |
| 4K | | 9000 | 0 | 100 |
| TOTALS | | | 0 | 100 |
| CVR CALL | | CHICAGO ETHANOL(PLATTS) APO | | |
| JUL18 | CALL | | | |
| CVR | | 15000 | 0 | 150 |
| TOTALS | | | 0 | 150 |
| AUG18 | CALL | | | |
| CVR | | 14000 | 0 | 124 |
| TOTALS | | | 0 | 124 |
| CVR PUT | | CHICAGO ETHANOL(PLATTS) APO | | |
| JUL18 | PUT | | | |
| CVR | | 14000 | 0 | 25 |
| TOTALS | | | 0 | 25 |
| AUG18 | PUT | | | |
| CVR | | 14000 | 0 | 124 |
| TOTALS | | | 0 | 124 |
| OCT18 | PUT | | | |
| CVR | | 13500 | 0 | 10 |
| TOTALS | | | 0 | 10 |
| NOV18 | PUT | | | |
| CVR | | 13500 | 0 | 10 |
| TOTALS | | | 0 | 10 |
| DEC18 | PUT | | | |
| CVR | | 13500 | 0 | 10 |
| TOTALS | | | 0 | 10 |
| GVR CALL | | GULF COAST JET FUEL(PLATTS)APO | | |
| JAN19 | CALL | | | |
| GVR | | 21200 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| FEB19 | CALL | | | |
| GVR | | 21200 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| MAR19 | CALL | | | |
| GVR | | 21200 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| APR19 | CALL | | | |
| GVR | | 21200 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| MAY19 | CALL | | | |
| GVR | | 21200 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUN19 | CALL | | | |
| GVR | | 21200 | 0 | 50 |
| TOTALS | | | 0 | 50 |

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CLA PUT COAL API2 ARGUS/MCCLOS CALNDR OPT

| | | | |
|---|---|---|---|
| JAN19 PUT | | | |
| CLA | 5500 | 0 | 5 |
| CLA | 6500 | 0 | 10 |
| CLA | 7500 | 0 | 5 |
| TOTALS | | 0 | 20 |

LO2 PUT CRUDE OIL OPTIONS

| | | | |
|---|---|---|---|
| JUL18 PUT | | | |
| LO2 | 6900 | 0 | 100 |
| TOTALS | | 0 | 100 |

BZO CALL BRENT CRUDE OIL FUT MARGIN OPT

| | | | |
|---|---|---|---|
| SEP18 CALL | | | |
| BZO | 8000 | 0 | 500 |
| BZO | 8400 | 0 | 1000 |
| TOTALS | | 0 | 1500 |
| OCT18 CALL | | | |
| BZO | 7700 | 0 | 100 |
| BZO | 7750 | 0 | 150 |
| BZO | 10000 | 0 | 175 |
| TOTALS | | 0 | 425 |
| NOV18 CALL | | | |
| BZO | 7700 | 0 | 150 |
| TOTALS | | 0 | 150 |

BZO PUT BRENT CRUDE OIL FUT MARGIN OPT

| | | | |
|---|---|---|---|
| SEP18 PUT | | | |
| BZO | 7300 | 0 | 500 |
| BZO | 7500 | 0 | 150 |
| BZO | 7700 | 0 | 500 |
| TOTALS | | 0 | 1150 |
| OCT18 PUT | | | |
| BZO | 7500 | 0 | 150 |
| BZO | 7750 | 0 | 150 |
| TOTALS | | 0 | 300 |
| NOV18 PUT | | | |
| BZO | 7700 | 0 | 150 |
| TOTALS | | 0 | 150 |

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# METALS OPTIONS PRODUCTS



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## METAL FUTURES CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HRO CALL | 06/26 | 07/24 | 08/28 | 09/25 | 10/30 | 11/27 | 12/24 | | | | | | |
| HX CALL | | 06/26 | 07/26 | 08/28 | 09/25 | 10/25 | 11/27 | 12/26 | | | | | |
| HX PUT | | 06/26 | 07/26 | 08/28 | 09/25 | 10/25 | 11/27 | | 01/28 | | | | |
| ICT CALL | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 |
| ICT PUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 |
| OG CALL | | 06/26 | 07/26 | 08/28 | 09/25 | 10/25 | 11/27 | 12/26 | 01/28 | 02/25 | 03/26 | 04/25 | 05/28 |
| OG PUT | | 06/26 | 07/26 | 08/28 | 09/25 | 10/25 | 11/27 | 12/26 | 01/28 | 02/25 | 03/26 | 04/25 | 05/28 |
| OG1 CALL | | 07/06 | | | | | | | | | | | |
| OG1 PUT | | 07/06 | | | | | | | | | | | |
| OG2 CALL | | 07/13 | | | | | | | | | | | |
| OG2 PUT | | 07/13 | | | | | | | | | | | |
| OG3 CALL | | 07/20 | | | | | | | | | | | |
| OG3 PUT | | 07/20 | | | | | | | | | | | |
| OG5 CALL | 06/29 | | | | | | | | | | | | |
| OG5 PUT | 06/29 | | | | | | | | | | | | |
| PAO CALL | | | 07/18 | 08/15 | | | 11/20 | | | | | | |
| PAO PUT | | | 07/18 | 08/15 | | | 11/20 | | | | | | |
| PO CALL | | | 07/18 | 08/15 | 09/19 | | | 12/19 | | | | | |
| PO PUT | | | 07/18 | 08/15 | 09/19 | | | 12/19 | | | 03/20 | | |
| SO CALL | | 06/26 | 07/26 | 08/28 | 09/25 | 10/25 | 11/27 | | | 02/25 | | 04/25 | |
| SO PUT | | 06/26 | 07/26 | 08/28 | 09/25 | 10/25 | 11/27 | 12/26 | | 02/25 | | 04/25 | |
| SO1 CALL | | 07/06 | | | | | | | | | | | |
| SO1 PUT | | 07/06 | | | | | | | | | | | |
| SO2 CALL | | 07/13 | | | | | | | | | | | |
| SO2 PUT | | 07/13 | | | | | | | | | | | |
| SO3 CALL | | 07/20 | | | | | | | | | | | |
| SO3 PUT | | 07/20 | | | | | | | | | | | |
| SO5 CALL | 06/29 | | | | | | | | | | | | |
| SO5 PUT | 06/29 | | | | | | | | | | | | |

## GOLD OPTIONS ON FUTURES

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG5 PUT | | GOLD OPTIONS | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 1215 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0038 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1220 | 0.20 | 0.20 | 0.20/*0.20 | 0.20/*0.20 | ---- | 0.20 UNCH | .0093 | ---- | ---- | 5 | ---- | 5 + 5 |
| 1225 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0109 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1230 | ---- | ---- | ----/0.30A | ----/0.30A | ---- | 0.30 - 0.10 | .0196 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1235 | 0.40 | 0.40 | 0.60B/0.40 | 0.60B/0.40 | ---- | 0.40 - 0.20 | .0318 | ---- | ---- | 8 | ---- | 152 + 7 |
| 1240 | 0.60 | 0.60 | 1.00B/0.60 | 1.00B/0.60 | ---- | 0.60 - 0.20 | .0582 | ---- | ---- | 32 | ---- | 199 + 1 |
| 1245 | ---- | ---- | 1.70B/0.90A | 1.70B/0.90A | ---- | 1.10 - 0.10 | .1239 | ---- | ---- | ---- | ---- | 253 UNCH |
| 1250 | 1.80 | 1.80 | 3.10/1.40A | 3.10/1.40A | ---- | 1.90 - 0.10 | .2417 | ---- | ---- | 135 | ---- | 232 + 64 |
| 1255 | 4.00 | 4.00 | #5.40B/2.20A | #5.40B/2.20A | ---- | 3.50 + 0.30 | .4456 | ---- | ---- | 102 | ---- | 92 + 32 |
| 1260 | 5.10 | 5.10 | #8.80B/3.80A | #8.80B/3.80A | ---- | 6.20 + 1.00 | .6842 | ---- | ---- | 9 | ---- | 126 - 3 |
| 1265 | ---- | ---- | #13.00B/6.40A | #13.00B/6.40A | ---- | 10.00 + 2.00 | .8546 | ---- | ---- | ---- | ---- | 339 UNCH |
| 1270 | ---- | ---- | #17.70B/10.10A | #17.70B/10.10A | ---- | 14.40 + 2.70 | .9426 | ---- | ---- | ---- | ---- | 136 UNCH |
| 1275 | ---- | ---- | #22.50B/14.40A | #22.50B/14.40A | ---- | 19.20 + 3.20 | .9725 | ---- | ---- | 25 | ---- | 40 - 25 |
| 1280 | ---- | ---- | #27.50B/19.10A | #27.50B/19.10A | ---- | 24.10 + 3.50 | .9853 | ---- | ---- | ---- | ---- | 79 UNCH |
| 1285 | ---- | ---- | #32.40B/23.90A | #32.40B/23.90A | ---- | 29.00 + 3.60 | .9941 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1290 | ---- | ---- | #37.40B/28.80A | #37.40B/28.80A | ---- | 34.00 + 3.70 | .9984 | ---- | ---- | ---- | ---- | 33 UNCH |
| 1295 | ---- | ---- | #42.40B/33.80A | #42.40B/33.80A | ---- | 39.00 + 3.70 | .9996 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1300 | ---- | ---- | #47.40B/38.80A | #47.40B/38.80A | ---- | 44.00 + 3.80 | .9999 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1305 | ---- | ---- | #52.40B/43.70A | #52.40B/43.70A | ---- | 49.00 + 3.80 | .9999 | ---- | ---- | ---- | ---- | 26 UNCH |
| 1325 | ---- | ---- | #72.30B/63.70A | #72.30B/63.70A | ---- | 69.00 + 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 316 | | 2029 + 81 |

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG5 CALL | | GOLD OPTIONS | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 1250 | ---- | ---- | 12.60B/*5.80A | 12.60B/*5.80A | ---- | 8.00 - 3.90 | .7582 | ---- | ---- | ---- | ---- | 17 UNCH |
| 1255 | 5.90 | 5.90 | 8.50B/*3.10A | 8.50B/*3.10A | ---- | 4.60 NEW | .5544 | ---- | ---- | 14 | ---- | 7 + 7 |
| 1260 | 4.90 | 4.90 | 5.20B/*1.60 | 5.20B/*1.60 | ---- | 2.30 - 2.80 | .3157 | ---- | ---- | 116 | ---- | 68 + 50 |
| 1265 | 1.30 | 1.30 | 2.80B/*0.90A | 2.80B/*0.90A | ---- | 1.10 - 1.80 | .1453 | ---- | ---- | 50 | ---- | 64 + 8 |
| 1270 | 1.30 | 1.30 | 1.40B/*0.40 | 1.40B/*0.40 | ---- | 0.50 - 1.10 | .0573 | ---- | ---- | 39 | ---- | 99 + 20 |
| 1275 | 0.60 | 0.60 | 0.70/*0.30A | 0.70/*0.30A | ---- | 0.30 - 0.60 | .0274 | ---- | ---- | 25 | ---- | 38 + 8 |
| 1280 | ---- | ---- | ----/*0.30A | ----/*0.30A | ---- | 0.20 - 0.30 | .0146 | ---- | ---- | ---- | ---- | 18 UNCH |
| 1285 | ---- | ---- | ----/*0.20A | ----/*0.20A | ---- | 0.10 - 0.20 | .0058 | ---- | ---- | ---- | ---- | 164 UNCH |
| 1290 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0015 | ---- | ---- | ---- | ---- | 126 UNCH |
| 1295 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0003 | ---- | ---- | ---- | ---- | 230 UNCH |
| 1300 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 98 UNCH |
| 1305 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 176 UNCH |
| 1310 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 77 UNCH |
| 1315 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 65 UNCH |
| 1320 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 11 UNCH |
| 1325 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 21 UNCH |
| 1330 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| 1335 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 15 UNCH |
| 1345 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 35 UNCH |
| 1370 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | 244 | | 1332 + 93 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG3 PUT | | GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1215 | 1.70 | 1.70 | #2.20B/*1.70 | #2.20B/*1.70 | ---- | 1.80 NEW | .1034 | ---- | ---- | 30 | ---- | 30 + 30 |
| 1225 | 2.40 | 2.40 | #3.40B/*2.40 | #3.40B/*2.40 | ---- | 2.70 NEW | .1539 | ---- | ---- | 5 | ---- | 5 + 5 |
| 1230 | 3.20 | 3.20 | #4.20B/*3.10A | #4.20B/*3.10A | ---- | 3.40 NEW | .1899 | ---- | ---- | 30 | ---- | 30 + 30 |
| 1235 | 3.60 | 3.60 | #5.30B/*3.60 | #5.30B/*3.60 | ---- | 4.30 NEW | .2334 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1240 | ---- | ---- | #6.70B/4.70A | #6.70B/4.70A | ---- | 5.40 + 0.50 | .2841 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1250 | ---- | ---- | #10.60B/7.20A | #10.60B/7.20A | ---- | 8.70 + 0.90 | .4100 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | 75 | | 115 + 75 |

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG3 CALL | | GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1285 | 3.70 | 3.70 | #3.80B/*2.70A | #3.80B/*2.70A | ---- | 2.90 NEW | .1724 | ---- | ---- | 10 | ---- | 10 + 10 |
| TOTAL | | | | | | | | | | 10 | | 10 + 10 |

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG2 PUT | | GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1205 | ---- | ---- | #1.00B/---- | #1.00B/---- | ---- | 0.80 + 0.10 | .0509 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1210 | 1.10 | 1.10 | #1.20B/1.10 | #1.20B/1.10 | ---- | 0.90 UNCH | .0595 | ---- | ---- | 11 | ---- | 24 + 11 |
| 1215 | ---- | ---- | #1.50B/---- | #1.50B/---- | ---- | 1.20 + 0.10 | .0783 | ---- | ---- | ---- | ---- | 13 UNCH |

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# METALS OPTIONS PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG2 PUT | | GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1220 | ---- | ---- | 1.80B/---- | 1.80B/---- | ---- | 1.50 + 0.10 | .0984 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1225 | 1.70 | 1.70 | 2.30B/1.70 | 2.30B/1.70 | ---- | 1.90 + 0.10 | .1246 | ---- | ---- | 50 | ---- | 150 + 38 |
| 1230 | ---- | ---- | #3.00B/2.10A | #3.00B/2.10A | ---- | 2.40 + 0.10 | .1571 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1235 | 2.90 | 2.90 | #3.90B/2.70A | #3.90B/2.70A | ---- | 3.10 + 0.20 | .1997 | ---- | ---- | 1 | ---- | 37 + 1 |
| 1240 | ---- | ---- | #5.10B/3.40A | #5.10B/3.40A | ---- | 4.10 + 0.30 | .2547 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1245 | ---- | ---- | #6.70B/4.40A | #6.70B/4.40A | ---- | 5.40 + 0.50 | .3202 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1250 | ---- | ---- | #8.70B/5.60A | #8.70B/5.60A | ---- | 7.00 + 0.60 | .3948 | ---- | ---- | ---- | ---- | 26 UNCH |
| 1255 | 9.10 | 9.10 | #11.20B/7.20A | #11.20B/7.20A | ---- | 9.10 + 0.90 | .4775 | ---- | ---- | 2 | ---- | 27 UNCH |
| 1260 | ---- | ---- | #14.10B/9.30A | #14.10B/9.30A | ---- | 11.70 + 1.30 | .5625 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1265 | ---- | ---- | #17.40B/11.80A | #17.40B/11.80A | ---- | 14.80 + 1.70 | .6434 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1270 | 17.80 | 17.80 | #21.00B/14.90A | #21.00B/14.90A | ---- | 18.20 + 2.00 | .7164 | ---- | ---- | 1 | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | 65 | | 480 + 50 |

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG2 CALL | | GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1255 | 10.20 | 10.20 | 13.50B/*8.90A | 13.50B/*8.90A | ---- | 10.20 - 2.90 | .5224 | ---- | ---- | 2 | ---- | 27 + 1 |
| 1260 | 10.20 | 10.20 | 10.60B/*6.80A | 10.60B/*6.80A | ---- | 7.80 - 2.50 | .4374 | ---- | ---- | 2 | ---- | 20 UNCH |
| 1270 | 4.10 | 4.10 | 6.20B/*3.90A | 6.20B/*3.90A | ---- | 4.40 - 1.70 | .2835 | ---- | ---- | 12 | ---- | 20 UNCH |
| 1280 | 2.60 | 2.60 | 2.60/*2.20A | 2.60/*2.20A | ---- | 2.40 - 1.10 | .1698 | ---- | ---- | 5 | ---- | 6 + 4 |
| 1285 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.80 - 0.80 | .1304 | ---- | ---- | 5 | ---- | 7 + 5 |
| 1290 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.40 - 0.60 | .1019 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1295 | 1.10 | 1.10 | 1.10/*0.90 | 1.10/*0.90 | ---- | 1.10 - 0.40 | .0799 | ---- | ---- | 3 | ---- | 6 + 1 |
| 1300 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.40 | .0594 | ---- | ---- | ---- | ---- | 16 UNCH |
| 1305 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.70 - 0.20 | .0502 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1310 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.50 - 0.20 | .0366 | ---- | ---- | ---- | ---- | 54 UNCH |
| 1315 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.40 - 0.20 | .0290 | ---- | ---- | ---- | ---- | 36 UNCH |
| 1320 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0273 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1325 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0206 | ---- | ---- | ---- | ---- | 51 UNCH |
| 1330 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0195 | ---- | ---- | ---- | ---- | 26 UNCH |
| TOTAL | | | | | | | | | | 29 | | 317 + 11 |

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG1 PUT | | GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1175 | ---- | ---- | ---- | ---- | ---- | 0.20 + 0.10 | .0107 | ---- | ---- | 2 | ---- | 52 + 2 |
| 1215 | ---- | ---- | 0.70B/---- | 0.70B/---- | ---- | 0.60 + 0.10 | .0450 | ---- | ---- | ---- | ---- | 35 UNCH |
| 1220 | ---- | ---- | 0.90B/---- | 0.90B/---- | ---- | 0.70 UNCH | .0555 | ---- | ---- | ---- | ---- | 170 UNCH |
| 1225 | ---- | ---- | 1.20B/---- | 1.20B/---- | ---- | 0.90 UNCH | .0737 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1230 | ---- | ---- | 1.70B/---- | 1.70B/---- | ---- | 1.30 + 0.10 | .1056 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1235 | 1.50 | 1.50 | 2.30B/1.40A | 2.30B/1.40A | ---- | 1.70 + 0.10 | .1413 | ---- | ---- | 13 | ---- | 83 + 13 |
| 1240 | ---- | ---- | 3.20B/2.00A | 3.20B/2.00A | ---- | 2.40 + 0.20 | .1966 | ---- | ---- | ---- | ---- | 267 UNCH |
| 1245 | 4.60 | 4.60 | #4.60/2.70A | #4.60/2.70A | ---- | 3.40 + 0.40 | .2700 | ---- | ---- | 4 | ---- | 117 UNCH |
| 1250 | 4.40 | 4.40 | #6.40B/3.60A | #6.40B/3.60A | ---- | 4.90 + 0.70 | .3645 | ---- | ---- | 1 | ---- | 120 + 1 |
| 1255 | 5.70 | 5.70 | #8.80B/5.00A | #8.80B/5.00A | ---- | 6.80 + 1.00 | .4721 | ---- | ---- | 34 | ---- | 45 + 15 |
| 1260 | 8.70 | 8.70 | #11.80B/7.00A | #11.80B/7.00A | ---- | 9.50 + 1.50 | .5851 | ---- | ---- | 7 | ---- | 108 + 3 |
| 1265 | ---- | ---- | #15.40B/9.50A | #15.40B/9.50A | ---- | 12.70 + 2.00 | .6906 | ---- | ---- | ---- | ---- | 94 UNCH |
| 1270 | ---- | ---- | #19.30B/12.70A | #19.30B/12.70A | ---- | 16.40 + 2.40 | .7805 | ---- | ---- | ---- | ---- | 69 UNCH |
| 1275 | ---- | ---- | #23.70B/16.40A | #23.70B/16.40A | ---- | 20.60 + 2.80 | .8459 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1285 | ---- | ---- | #33.00B/24.90A | #33.00B/24.90A | ---- | 29.70 + 3.30 | .9261 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1290 | ---- | ---- | #37.80B/29.60A | #37.80B/29.60A | ---- | 34.50 + 3.50 | .9461 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1305 | ---- | ---- | #52.50B/44.00A | #52.50B/44.00A | ---- | 49.10 + 3.60 | .9826 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1315 | ---- | ---- | #62.50B/53.90A | #62.50B/53.90A | ---- | 59.00 + 3.70 | .9850 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | 61 | | 1204 + 34 |

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG1 CALL | | GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1255 | 7.90 | 7.90 | 11.30B/*6.60A | 11.30B/*6.60A | ---- | 7.90 NEW | .5279 | ---- | ---- | 2 | ---- | 1 + 1 |
| 1260 | 6.90 | 6.90 | 8.30B/*4.60A | 8.30B/*4.60A | ---- | 5.60 NEW | .4148 | ---- | ---- | 6 | ---- | 5 + 5 |
| 1265 | 3.20 | 3.20 | 5.90B/*3.20 | 5.90B/*3.20 | ---- | 3.80 NEW | .3093 | ---- | ---- | 30 | ---- | 30 + 30 |
| 1270 | 3.30 | 3.30 | 4.00B/*2.20A | 4.00B/*2.20A | ---- | 2.50 - 1.40 | .2195 | ---- | ---- | 7 | ---- | 97 + 3 |
| 1275 | 2.50 | 2.50 | 2.70B/*1.50A | 2.70B/*1.50A | ---- | 1.70 - 1.00 | .1540 | ---- | ---- | 12 | ---- | 72 + 1 |
| 1280 | 2.00 | 2.00 | 2.00/*1.00 | 2.00/*1.00 | ---- | 1.10 - 0.80 | .1032 | ---- | ---- | 56 | ---- | 89 + 49 |
| 1285 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.80 - 0.50 | .0738 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1290 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.60 - 0.30 | .0539 | ---- | ---- | ---- | ---- | 90 UNCH |
| 1295 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.40 - 0.30 | .0359 | ---- | ---- | ---- | ---- | 45 UNCH |
| 1300 | 0.20 | 0.20 | 0.30B/*0.20 | 0.30B/*0.20 | ---- | 0.30 - 0.20 | .0262 | ---- | ---- | 6 | ---- | 29 UNCH |
| 1305 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.20 - 0.20 | .0173 | ---- | ---- | 1 | ---- | 130 UNCH |
| 1310 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0160 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1315 | ---- | ---- | ----/*0.20A | ----/*0.20A | ---- | 0.20 - 0.10 | .0149 | ---- | ---- | ---- | ---- | 170 UNCH |
| 1320 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0077 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1325 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0046 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1330 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0026 | ---- | ---- | ---- | ---- | 51 UNCH |
| 1335 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0014 | ---- | ---- | ---- | ---- | 57 UNCH |
| 1340 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0008 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1365 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1375 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 120 | | 1060 + 89 |

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG PUT | | COMEX GOLD OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1225 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1230 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1235 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1240 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1245 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1250 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1255 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1260 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1265 | ---- | ---- | ---- | ---- | ---- | 5.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1270 | ---- | ---- | ---- | ---- | ---- | 10.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1275 | ---- | ---- | ---- | ---- | ---- | 15.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1280 | ---- | ---- | ---- | ---- | ---- | 20.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1285 | ---- | ---- | ---- | ---- | ---- | 25.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1290 | ---- | ---- | ---- | ---- | ---- | 30.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1295 | ---- | ---- | ---- | ---- | ---- | 35.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1300 | ---- | ---- | ---- | ---- | ---- | 40.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1305 | ---- | ---- | ---- | ---- | ---- | 45.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1310 | ---- | ---- | ---- | ---- | ---- | 50.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1315 | ---- | ---- | ---- | ---- | ---- | 55.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1320 | ---- | ---- | ---- | ---- | ---- | 60.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1325 | ---- | ---- | ---- | ---- | ---- | 65.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1330 | ---- | ---- | ---- | ---- | ---- | 70.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1335 | ---- | ---- | ---- | ---- | ---- | 75.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1340 | ---- | ---- | ---- | ---- | ---- | 80.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1345 | ---- | ---- | ---- | ---- | ---- | 85.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1350 | ---- | ---- | ---- | ---- | ---- | 90.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1355 | ---- | ---- | ---- | ---- | ---- | 95.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1360 | ---- | ---- | ---- | ---- | ---- | 100.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1365 | ---- | ---- | ---- | ---- | ---- | 105.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1370 | ---- | ---- | ---- | ---- | ---- | 110.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1375 | ---- | ---- | ---- | ---- | ---- | 115.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1380 | ---- | ---- | ---- | ---- | ---- | 120.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1385 | ---- | ---- | ---- | ---- | ---- | 125.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1390 | ---- | ---- | ---- | ---- | ---- | 130.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 140.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1415 | ---- | ---- | ---- | ---- | ---- | 155.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1435 | ---- | ---- | ---- | ---- | ---- | 175.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1495 | ---- | ---- | ---- | ---- | ---- | 235.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 240.20 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG PUT | | COMEX GOLD OPTIONS | | | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | | | |
| 1550 | ---- | ---- | ---- | ---- | ---- | 290.20 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 490.20 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 515.20 | UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 | UNCH |
| TOTAL | | | | | | | | | | | | | 0 | 0 |
| AUG18 | | | | | | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 356 | UNCH |
| 970 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 45 | UNCH |
| 975 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 325 | UNCH |
| 980 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 141 | UNCH |
| 990 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 60 | UNCH |
| 995 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 30 | UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 147 | UNCH |
| 1005 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 50 | UNCH |
| 1010 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 75 | UNCH |
| 1015 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 1 | UNCH |
| 1020 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 67 | UNCH |
| 1025 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 1030 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 18 | UNCH |
| 1035 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 32 | UNCH |
| 1040 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 137 | UNCH |
| 1045 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 68 | UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 311 | UNCH |
| 1055 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.10 | UNCH | .0001 | ---- | ---- | 1 | ---- | 1 + | 1 |
| 1065 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0002 | ---- | ---- | ---- | ---- | 29 | UNCH |
| 1070 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0003 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 1075 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 | UNCH | .0005 | ---- | ---- | 15 | ---- | 165 + | 15 |
| 1080 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 | UNCH | .0007 | ---- | ---- | 10 | ---- | 75 + | 10 |
| 1085 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 | UNCH | .0010 | ---- | ---- | 10 | ---- | 59 + | 10 |
| 1090 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0013 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 1095 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0018 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 1100 | 0.10 | 0.10 | 0.20/0.10 | 0.20/0.10 | ---- | 0.10 | UNCH | .0025 | ---- | ---- | 1879 | ---- | 2068 - | 9 |
| 1105 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0034 | ---- | ---- | ---- | ---- | 621 | UNCH |
| 1110 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0045 | ---- | ---- | ---- | ---- | 585 | UNCH |
| 1115 | 0.20 | 0.20 | 0.20/0.20 | 0.20/0.20 | ---- | 0.20 | UNCH | .0082 | ---- | ---- | 12 | ---- | 582 + | 10 |
| 1120 | 0.20 | 0.20 | 0.20/0.20 | 0.20/0.20 | ---- | 0.20 | UNCH | .0084 | ---- | ---- | 110 | ---- | 437 + | 110 |
| 1125 | 0.20 | 0.20 | 0.20/0.20 | 0.20/0.20 | ---- | 0.20 | UNCH | .0087 | ---- | ---- | 264 | ---- | 727 + | 264 |
| 1130 | 0.20 | 0.20 | 0.20/0.20 | 0.20/0.20 | ---- | 0.20 | UNCH | .0090 | ---- | ---- | 15 | ---- | 461 + | 15 |
| 1135 | 0.20 | 0.20 | 0.30B/0.20 | 0.30B/0.20 | ---- | 0.20 | UNCH | .0093 | ---- | ---- | 145 | ---- | 277 + | 38 |
| 1140 | 0.30 | 0.30 | 0.30/0.20 | 0.30/0.20 | ---- | 0.30 | + 0.10 | .0134 | ---- | ---- | 36 | ---- | 542 + | 36 |
| 1145 | 0.30 | 0.30 | 0.40/0.30 | 0.40/0.30 | ---- | 0.30 | UNCH | .0139 | ---- | ---- | 162 | ---- | 472 + | 149 |
| 1150 | 0.30 | 0.30 | 0.40/0.30 | 0.40/0.30 | ---- | 0.30 | UNCH | .0145 | ---- | ---- | 257 | ---- | 2698 - | 7 |
| 1155 | 0.50 | 0.50 | 0.50/0.50 | 0.50/0.50 | ---- | 0.40 | + 0.10 | .0189 | ---- | ---- | 306 | ---- | 750 + | 302 |
| 1160 | ---- | ---- | 0.50B/---- | 0.50B/---- | ---- | 0.40 | UNCH | .0197 | ---- | ---- | 22 | ---- | 633 + | 6 |
| 1165 | 0.50 | 0.50 | 0.60/0.50 | 0.60/0.50 | ---- | 0.50 | + 0.10 | .0243 | ---- | ---- | 15 | ---- | 380 + | 3 |
| 1170 | 0.50 | 0.50 | 0.60B/0.50 | 0.60B/0.50 | ---- | 0.60 | + 0.10 | .0292 | ---- | ---- | 66 | ---- | 1503 + | 51 |
| 1175 | 0.60 | 0.60 | 0.80/0.50 | 0.80/0.50 | ---- | 0.60 | + 0.10 | .0306 | ---- | ---- | 67 | ---- | 319 + | 25 |
| 1180 | 0.70 | 0.70 | 0.80B/0.70 | 0.80B/0.70 | ---- | 0.70 | + 0.10 | .0360 | ---- | ---- | 59 | ---- | 731 | UNCH |
| 1185 | 0.90 | 0.90 | 1.00B/0.80A | 1.00B/0.80A | ---- | 0.80 | + 0.10 | .0417 | ---- | ---- | 27 | ---- | 393 | UNCH |
| 1190 | 1.00 | 1.00 | 1.20/0.90 | 1.20/0.90 | ---- | 1.00 | + 0.20 | .0515 | ---- | ---- | 78 | ---- | 495 - | 25 |
| 1195 | 1.10 | 1.10 | 1.40B/1.10 | 1.40B/1.10 | ---- | 1.10 | + 0.10 | .0582 | ---- | ---- | 144 | ---- | 460 - | 38 |
| 1200 | 1.20 | 1.20 | 1.60B/1.20 | 1.60B/1.20 | ---- | 1.30 | + 0.20 | .0691 | ---- | ---- | 1616 | ---- | 3512 + | 46 |
| 1205 | 1.70 | 1.70 | 2.00B/1.70 | 2.00B/1.70 | ---- | 1.50 | + 0.10 | .0809 | ---- | ---- | 12 | ---- | 813 + | 5 |
| 1210 | 2.10 | 2.10 | 2.40B/1.80A | 2.40B/1.80A | ---- | 1.90 | + 0.30 | .1003 | ---- | ---- | 235 | ---- | 1865 + | 72 |
| 1215 | 2.00 | 2.00 | 2.90B/2.00 | 2.90B/2.00 | ---- | 2.20 | + 0.20 | .1176 | ---- | ---- | 144 | ---- | 851 + | 141 |
| 1220 | 3.10 | 3.10 | 3.50B/2.60 | 3.50B/2.60 | ---- | 2.80 | + 0.40 | .1454 | ---- | ---- | 566 | ---- | 2644 + | 19 |
| 1225 | 3.40 | 3.40 | 4.30B/3.00 | 4.30B/3.00 | ---- | 3.40 | + 0.40 | .1746 | ---- | ---- | 3618 | 550 | 7550 + | 2577 |
| 1230 | 4.00 | 4.00 | 5.20/3.80A | 5.20/3.80A | ---- | 4.20 | + 0.50 | .2107 | ---- | ---- | 473 | ---- | 1434 + | 50 |
| 1235 | 5.70 | 5.70 | 6.40B/4.50A | 6.40B/4.50A | ---- | 5.20 | + 0.60 | .2532 | ---- | ---- | 485 | ---- | 1410 + | 7 |
| 1240 | 5.80 | 5.80 | 8.00/5.50A | 8.00/5.50A | ---- | 6.50 | + 0.70 | .3030 | ---- | ---- | 1007 | ---- | 1743 + | 281 |
| 1245 | 8.80 | 8.80 | 9.70B/6.70A | 9.70B/6.70A | ---- | 8.00 | + 0.80 | .3576 | ---- | ---- | 609 | ---- | 4150 - | 121 |
| 1250 | 8.90 | 8.90 | 11.80B/8.10 | 11.80B/8.10 | ---- | 9.90 | + 1.00 | .4179 | ---- | ---- | 1076 | ---- | 5300 + | 96 |
| 1255 | 11.20 | 11.20 | 14.30B/10.10A | 14.30B/10.10A | ---- | 12.10 | + 1.20 | .4809 | ---- | ---- | 1565 | ---- | 3117 - | 902 |
| 1260 | 13.40 | 13.40 | 17.10B/12.20A | 17.10B/12.20A | ---- | 14.70 | + 1.40 | .5448 | ---- | ---- | 340 | ---- | 3853 + | 86 |
| 1265 | 15.60 | 15.60 | 20.30B/14.80A | 20.30B/14.80A | ---- | 17.70 | + 1.70 | .6066 | ---- | ---- | 105 | ---- | 2665 + | 7 |
| 1270 | 19.80 | 19.80 | 23.70B/17.70A | 23.70B/17.70A | ---- | 21.00 | + 2.00 | .6647 | ---- | ---- | 27 | ---- | 3215 + | 15 |
| 1275 | 21.90 | 21.90 | 27.50B/21.00A | 27.50B/21.00A | ---- | 24.70 | + 2.30 | .7158 | ---- | ---- | 43 | ---- | 3830 + | 5 |
| 1280 | 28.20 | 28.20 | 31.50B/24.60A | 31.50B/24.60A | ---- | 28.60 | + 2.50 | .7614 | ---- | ---- | 15 | ---- | 2140 - | 7 |
| 1285 | 32.30 | 32.30 | 35.70B/28.40A | 35.70B/28.40A | ---- | 32.70 | + 2.80 | .8011 | ---- | ---- | 8 | ---- | 1447 + | 6 |
| 1290 | 34.50 | 34.50 | 40.10B/32.50A | 40.10B/32.50A | ---- | 37.00 | + 3.00 | .8342 | ---- | ---- | 31 | ---- | 1385 + | 3 |
| 1295 | 39.00 | 39.00 | 44.60B/36.70A | 44.60B/36.70A | ---- | 41.40 | + 3.10 | .8631 | ---- | ---- | 2 | ---- | 1060 | UNCH |
| 1300 | 44.00 | 44.00 | 49.10B/41.20A | 49.10B/41.20A | ---- | 45.90 | + 3.20 | .8845 | ---- | ---- | 33 | ---- | 4830 - | 3 |
| 1305 | 50.80 | 50.80 | 53.80B/45.70A | 53.80B/45.70A | ---- | 50.50 | + 3.30 | .9049 | ---- | ---- | 2 | ---- | 1272 - | 2 |
| 1310 | ---- | ---- | 58.60B/50.30A | 58.60B/50.30A | ---- | 55.20 | + 3.40 | .9210 | ---- | ---- | ---- | ---- | 2192 | UNCH |
| 1315 | ---- | ---- | 63.30B/55.10A | 63.30B/55.10A | ---- | 60.00 | + 3.50 | .9326 | ---- | ---- | ---- | ---- | 1296 | UNCH |
| 1320 | 65.10 | 65.10 | 68.20B/59.80A | 68.20B/59.80A | ---- | 64.80 | + 3.50 | .9436 | ---- | ---- | 7 | ---- | 777 + | 6 |
| 1325 | ---- | ---- | 73.00B/64.60A | 73.00B/64.60A | ---- | 69.60 | + 3.50 | .9542 | ---- | ---- | ---- | ---- | 1608 | UNCH |
| 1330 | 75.60 | 75.60 | 77.90B/69.40A | 77.90B/69.40A | ---- | 74.50 | + 3.60 | .9604 | ---- | ---- | 3 | ---- | 729 + | 3 |
| 1335 | ---- | ---- | 82.80B/74.30A | 82.80B/74.30A | ---- | 79.40 | + 3.60 | .9662 | ---- | ---- | ---- | ---- | 641 | UNCH |
| 1340 | ---- | ---- | 87.70B/79.20A | 87.70B/79.20A | ---- | 84.30 | + 3.60 | .9717 | ---- | ---- | ---- | ---- | 2079 | UNCH |
| 1345 | ---- | ---- | 92.70B/84.10A | 92.70B/84.10A | ---- | 89.30 | + 3.70 | .9729 | ---- | ---- | ---- | ---- | 181 | UNCH |
| 1350 | ---- | ---- | 97.60B/89.00A | 97.60B/89.00A | ---- | 94.20 | + 3.70 | .9780 | ---- | ---- | ---- | ---- | 710 | UNCH |
| 1355 | ---- | ---- | 102.60B/94.00A | 102.60B/94.00A | ---- | 99.20 | + 3.80 | .9788 | ---- | ---- | ---- | ---- | 126 | UNCH |
| 1360 | ---- | ---- | 107.60B/98.90A | 107.60B/98.90A | ---- | 104.10 | + 3.70 | .9837 | ---- | ---- | ---- | ---- | 587 | UNCH |
| 1365 | ---- | ---- | 112.50B/103.90A | 112.50B/103.90A | ---- | 109.10 | + 3.80 | .9842 | ---- | ---- | ---- | ---- | 654 | UNCH |
| 1370 | ---- | ---- | 117.50B/108.90A | 117.50B/108.90A | ---- | 114.10 | + 3.80 | .9848 | ---- | ---- | ---- | ---- | 667 | UNCH |
| 1375 | ---- | ---- | 122.50B/113.80A | 122.50B/113.80A | ---- | 119.00 | + 3.70 | .9893 | ---- | ---- | ---- | ---- | 241 | UNCH |
| 1380 | ---- | ---- | 127.50B/118.80A | 127.50B/118.80A | ---- | 124.00 | + 3.80 | .9896 | ---- | ---- | ---- | ---- | 130 | UNCH |
| 1400 | ---- | ---- | 145.20B/---- | 145.20B/---- | ---- | 144.00 | + 3.90 | .9907 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 1405 | ---- | ---- | 150.80B/---- | 150.80B/---- | ---- | 149.00 | + 3.90 | .9949 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 1410 | ---- | ---- | 155.00B/149.60A | 155.00B/149.60A | ---- | 153.90 | + 3.80 | .9960 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 1430 | ---- | ---- | 173.30B/---- | 173.30B/---- | ---- | 173.90 | + 3.80 | .9985 | ---- | ---- | ---- | ---- | 7 | UNCH |
| 1440 | ---- | ---- | 185.80B/---- | 185.80B/---- | ---- | 183.90 | + 3.80 | .9991 | ---- | ---- | ---- | ---- | 3 | UNCH |
| 1450 | ---- | ---- | 193.30B/---- | 193.30B/---- | ---- | 193.90 | + 3.80 | .9995 | ---- | ---- | ---- | ---- | 2 | UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 243.90 | + 3.80 | .9999 | ---- | ---- | ---- | ---- | 34 | UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 293.90 | + 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 87 | UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 493.90 | + 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 543.90 | + 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 46 | UNCH |
| TOTAL | | | | | | | | | | | 15722 | 550 | 90335 + | 3356 |
| SEP18 | | | | | | | | | | | | | | |
| 920 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 31 | UNCH |
| 925 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | ---- | ---- | ---- | ---- | ---- | 80 | UNCH |
| 930 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 33 | UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 960 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 38 | UNCH |
| 970 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0000 | ---- | ---- | ---- | ---- | 81 | UNCH |
| 975 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0001 | ---- | ---- | ---- | ---- | 113 | UNCH |
| 980 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0001 | ---- | ---- | ---- | ---- | 74 | UNCH |
| 990 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0002 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 995 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0003 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0004 | ---- | ---- | ---- | ---- | 11 | UNCH |
| 1005 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0005 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 1010 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0007 | ---- | ---- | ---- | ---- | 63 | UNCH |
| 1015 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0008 | ---- | ---- | ---- | ---- | 71 | UNCH |
| 1020 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0011 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 1025 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 | UNCH | .0014 | ---- | ---- | 50 | ---- | 50 + | 40 |
| 1030 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0017 | ---- | ---- | ---- | ---- | 14 | UNCH |
| 1035 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0022 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 1040 | ---- | ---- | ---- | ---- | ---- | 0.10 | UNCH | .0027 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 1045 | ---- | ---- | ---- | ---- | ---- | 0.10 | - 0.10 | .0033 | ---- | ---- | ---- | ---- | 21 | UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 0.20 | UNCH | .0060 | ---- | ---- | ---- | ---- | 150 | UNCH |
| 1055 | ---- | ---- | ---- | ---- | ---- | 0.20 | UNCH | .0061 | ---- | ---- | ---- | ---- | 28 | UNCH |
| 1065 | ---- | ---- | ---- | ---- | ---- | 0.20 | UNCH | .0064 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 1070 | ---- | ---- | ---- | ---- | ---- | 0.20 | UNCH | .0066 | ---- | ---- | ---- | ---- | 145 | UNCH |
| 1075 | ---- | ---- | ---- | ---- | ---- | 0.20 | UNCH | .0067 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 1080 | ---- | ---- | ---- | ---- | ---- | 0.30 | + 0.10 | .0096 | ---- | ---- | 9 | ---- | 1014 - | 6 |
| 1085 | ---- | ---- | ---- | ---- | ---- | 0.30 | UNCH | .0098 | ---- | ---- | ---- | ---- | 4 | UNCH |
| 1090 | 0.30 | 0.30 | 0.30/0.30 | 0.30/0.30 | ---- | 0.30 | UNCH | .0101 | ---- | ---- | 200 | ---- | 581 | UNCH |
| 1095 | 0.30 | 0.30 | 0.30/0.30 | 0.30/0.30 | ---- | 0.30 | UNCH | .0103 | ---- | ---- | 50 | ---- | 50 + | 50 |
| 1100 | ---- | ---- | ---- | ---- | ---- | 0.40 | + 0.10 | .0133 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 1105 | ---- | ---- | ---- | ---- | ---- | 0.40 | UNCH | .0137 | ---- | ---- | ---- | ---- | 40 | UNCH |
| 1110 | ---- | ---- | ---- | ---- | ---- | 0.40 | UNCH | .0140 | ---- | ---- | ---- | ---- | 101 | UNCH |
| 1115 | ---- | ---- | 0.50B/---- | 0.50B/---- | ---- | 0.50 | + 0.10 | .0172 | ---- | ---- | ---- | ---- | 428 | UNCH |
| 1120 | ---- | ---- | ---- | ---- | ---- | 0.50 | UNCH | .0177 | ---- | ---- | ---- | ---- | 293 | UNCH |
| 1125 | 0.50 | 0.50 | 0.60/0.50 | 0.60/0.50 | ---- | 0.50 | UNCH | .0182 | ---- | ---- | 3 | ---- | 22 + | 3 |
| 1130 | ---- | ---- | ---- | ---- | ---- | 0.60 | UNCH | .0216 | ---- | ---- | ---- | ---- | 134 | UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG PUT | | COMEX GOLD OPTIONS | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 1135 | ---- | ---- | 0.70B/---- | 0.70B/---- | ---- | 0.70 + 0.10 | .0250 | ---- | ---- | ---- | ---- | 86 UNCH |
| 1140 | ---- | ---- | 0.80B/---- | 0.80B/---- | ---- | 0.70 UNCH | .0258 | ---- | ---- | 1 | ---- | 20 + 1 |
| 1145 | ---- | ---- | 0.80B/---- | 0.80B/---- | ---- | 0.80 + 0.10 | .0294 | ---- | ---- | 1 | ---- | 129 + 1 |
| 1150 | 1.00 | 1.00 | 1.00/1.00 | 1.00/1.00 | ---- | 0.90 + 0.10 | .0332 | ---- | ---- | 11 | ---- | 418 + 1 |
| 1155 | ---- | ---- | 1.00B/---- | 1.00B/---- | ---- | 1.00 + 0.10 | .0371 | ---- | ---- | ---- | ---- | 176 UNCH |
| 1160 | ---- | ---- | 1.20B/---- | 1.20B/---- | ---- | 1.10 + 0.10 | .0412 | ---- | ---- | 1 | ---- | 199 UNCH |
| 1165 | 1.30 | 1.30 | 1.40B/1.30 | 1.40B/1.30 | ---- | 1.20 + 0.10 | .0454 | ---- | ---- | 71 | ---- | 562 + 6 |
| 1170 | 1.60 | 1.60 | 1.60/1.60 | 1.60/1.60 | ---- | 1.40 + 0.20 | .0525 | ---- | ---- | 15 | ---- | 89 + 10 |
| 1175 | 1.50 | 1.50 | 1.80B/1.50 | 1.80B/1.50 | ---- | 1.50 + 0.10 | .0573 | ---- | ---- | 19 | ---- | 292 + 7 |
| 1180 | 1.60 | 1.60 | 2.00/1.60 | 2.00/1.60 | ---- | 1.70 + 0.10 | .0650 | ---- | ---- | 29 | ---- | 2497 + 1 |
| 1185 | 2.00 | 2.00 | 2.20B/1.90 | 2.20B/1.90 | ---- | 2.00 + 0.20 | .0755 | ---- | ---- | 23 | ---- | 248 + 14 |
| 1190 | 2.30 | 2.30 | 2.60B/2.30 | 2.60B/2.30 | ---- | 2.20 + 0.20 | .0839 | ---- | ---- | 97 | ---- | 225 + 46 |
| 1195 | 2.80 | 2.80 | 3.00B/2.80 | 3.00B/2.80 | ---- | 2.60 + 0.30 | .0975 | ---- | ---- | 5 | ---- | 371 + 4 |
| 1200 | 2.70 | 2.70 | 3.40/2.70 | 3.40/2.70 | ---- | 3.00 + 0.30 | .1116 | ---- | ---- | 120 | ---- | 1693 + 9 |
| 1205 | 3.20 | 3.20 | 4.00B/3.20 | 4.00B/3.20 | ---- | 3.40 + 0.30 | .1262 | ---- | ---- | 41 | ---- | 295 UNCH |
| 1210 | 3.60 | 3.60 | 4.60B/3.60 | 4.60B/3.60 | ---- | 3.90 + 0.30 | .1436 | ---- | ---- | 47 | 1500 | 1737 + 1349 |
| 1215 | 4.60 | 4.60 | 5.30B/4.20A | 5.30B/4.20A | ---- | 4.60 + 0.40 | .1656 | ---- | ---- | 86 | ---- | 427 - 41 |
| 1220 | 5.50 | 5.50 | 6.30/5.30 | 6.30/5.30 | ---- | 5.30 + 0.40 | .1883 | ---- | ---- | 91 | ---- | 648 + 40 |
| 1225 | 5.60 | 5.60 | 7.30B/5.60 | 7.30B/5.60 | ---- | 6.20 + 0.50 | .2152 | ---- | ---- | 687 | 50 | 1949 + 279 |
| 1230 | 7.20 | 7.20 | 8.50B/6.50A | 8.50B/6.50A | ---- | 7.30 + 0.60 | .2456 | ---- | ---- | 188 | ---- | 540 + 176 |
| 1235 | 8.50 | 8.50 | 9.90B/7.60A | 9.90B/7.60A | ---- | 8.50 + 0.70 | .2781 | ---- | ---- | 199 | ---- | 319 + 40 |
| 1240 | 9.00 | 9.00 | 11.50B/8.60 | 11.50B/8.60 | ---- | 10.00 + 0.80 | .3145 | ---- | ---- | 133 | ---- | 2968 - 28 |
| 1245 | 10.40 | 10.40 | 13.30B/10.20A | 13.30B/10.20A | ---- | 11.60 + 0.80 | .3523 | ---- | ---- | 4 | ---- | 325 + 2 |
| 1250 | 12.80 | 12.80 | 15.30/11.90A | 15.30/11.90A | ---- | 13.50 + 1.00 | .3926 | ---- | ---- | 65 | ---- | 2403 + 7 |
| 1255 | 14.80 | 14.80 | 17.60B/13.70A | 17.60B/13.70A | ---- | 15.70 + 1.20 | .4344 | ---- | ---- | 19 | ---- | 970 + 12 |
| 1260 | 17.60 | 17.60 | 20.20B/15.80A | 20.20B/15.80A | ---- | 18.10 + 1.30 | .4765 | ---- | ---- | 35 | ---- | 430 - 9 |
| 1265 | 20.10 | 20.10 | 22.90B/18.20A | 22.90B/18.20A | ---- | 20.70 + 1.50 | .5185 | ---- | ---- | 106 | 750 | 1205 + 819 |
| 1270 | 21.50 | 21.50 | 25.90B/20.80A | 25.90B/20.80A | ---- | 23.60 + 1.70 | .5596 | ---- | ---- | 40 | ---- | 987 + 23 |
| 1275 | 24.30 | 24.30 | 29.20B/23.60A | 29.20B/23.60A | ---- | 26.70 + 1.80 | .5993 | ---- | ---- | 3 | ---- | 2355 - 3 |
| 1280 | 28.90 | 28.90 | 32.60B/26.70A | 32.60B/26.70A | ---- | 30.00 + 1.90 | .6373 | ---- | ---- | 30 | ---- | 736 + 30 |
| 1285 | ---- | ---- | 36.20B/30.00A | 36.20B/30.00A | ---- | 33.50 + 2.00 | .6731 | ---- | ---- | 2 | ---- | 506 UNCH |
| 1290 | ---- | ---- | 40.00B/33.60A | 40.00B/33.60A | ---- | 37.20 + 2.20 | .7051 | ---- | ---- | ---- | ---- | 128 UNCH |
| 1295 | ---- | ---- | 44.00B/37.30A | 44.00B/37.30A | ---- | 41.00 + 2.20 | .7362 | ---- | ---- | ---- | ---- | 245 UNCH |
| 1300 | ---- | ---- | 48.10B/41.10A | 48.10B/41.10A | ---- | 45.00 + 2.30 | .7641 | ---- | ---- | ---- | ---- | 2170 UNCH |
| 1305 | ---- | ---- | 52.30B/45.10A | 52.30B/45.10A | ---- | 49.20 + 2.50 | .7883 | ---- | ---- | ---- | ---- | 701 UNCH |
| 1310 | ---- | ---- | 56.60B/49.30A | 56.60B/49.30A | ---- | 53.40 + 2.50 | .8100 | ---- | ---- | ---- | ---- | 753 UNCH |
| 1315 | ---- | ---- | 61.00B/53.50A | 61.00B/53.50A | ---- | 57.80 + 2.60 | .8311 | ---- | ---- | ---- | ---- | 633 UNCH |
| 1320 | ---- | ---- | 65.40B/57.90A | 65.40B/57.90A | ---- | 62.20 + 2.70 | .8479 | ---- | ---- | ---- | ---- | 430 UNCH |
| 1325 | ---- | ---- | 70.00B/62.30A | 70.00B/62.30A | ---- | 66.70 + 2.80 | .8641 | ---- | ---- | ---- | ---- | 621 UNCH |
| 1330 | ---- | ---- | 74.60B/66.80A | 74.60B/66.80A | ---- | 71.30 + 2.90 | .8778 | ---- | ---- | ---- | ---- | 1072 UNCH |
| 1335 | ---- | ---- | 79.20B/71.40A | 79.20B/71.40A | ---- | 76.00 + 3.00 | .8911 | ---- | ---- | ---- | ---- | 188 UNCH |
| 1340 | ---- | ---- | 83.90B/76.00A | 83.90B/76.00A | ---- | 80.60 + 3.00 | .9018 | ---- | ---- | ---- | ---- | 1175 UNCH |
| 1345 | ---- | ---- | 88.60B/80.60A | 88.60B/80.60A | ---- | 85.40 + 3.10 | .9098 | ---- | ---- | ---- | ---- | 36 UNCH |
| 1350 | ---- | ---- | 93.40B/85.30A | 93.40B/85.30A | ---- | 90.10 + 3.10 | .9198 | ---- | ---- | ---- | ---- | 810 UNCH |
| 1355 | ---- | ---- | 98.20B/90.00A | 98.20B/90.00A | ---- | 94.90 + 3.20 | .9272 | ---- | ---- | ---- | ---- | 89 UNCH |
| 1360 | ---- | ---- | 103.00B/94.80A | 103.00B/94.80A | ---- | 99.70 + 3.30 | .9343 | ---- | ---- | ---- | ---- | 85 UNCH |
| 1365 | ---- | ---- | 107.80B/99.60A | 107.80B/99.60A | ---- | 104.50 + 3.30 | .9412 | ---- | ---- | ---- | ---- | 101 UNCH |
| 1370 | ---- | ---- | 112.70B/104.40A | 112.70B/104.40A | ---- | 109.30 + 3.30 | .9455 | ---- | ---- | ---- | ---- | 48 UNCH |
| 1375 | ---- | ---- | 117.60B/109.20A | 117.60B/109.20A | ---- | 114.20 + 3.40 | .9521 | ---- | ---- | ---- | ---- | 703 UNCH |
| 1390 | ---- | ---- | 130.50B/124.60A | 130.50B/124.60A | ---- | 128.80 + 3.40 | .9635 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1400 | ---- | ---- | 140.30B/134.40A | 140.30B/134.40A | ---- | 138.70 + 3.50 | .9705 | ---- | ---- | ---- | ---- | 80 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 238.10 + 3.70 | .9932 | ---- | ---- | ---- | ---- | 33 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 288.10 + 3.70 | .9989 | ---- | ---- | ---- | ---- | 34 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 338.10 + 3.70 | .9998 | ---- | ---- | ---- | ---- | 43 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 488.10 + 3.70 | 1.0000 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 538.10 + 3.70 | 1.0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | 2481 | 2,300 | 39966 + 2883 |
| OCT18 | | | | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 920 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 11 UNCH |
| 925 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 16 UNCH |
| 930 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 16 UNCH |
| 940 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0002 | ---- | ---- | ---- | ---- | 10 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0003 | ---- | ---- | ---- | ---- | 20 UNCH |
| 960 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0005 | ---- | ---- | ---- | ---- | 20 UNCH |
| 970 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0009 | ---- | ---- | ---- | ---- | 20 UNCH |
| 975 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0011 | ---- | ---- | ---- | ---- | 26 UNCH |
| 980 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0013 | ---- | ---- | ---- | ---- | 36 UNCH |
| 990 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0019 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0028 | ---- | ---- | ---- | ---- | 528 UNCH |
| 1010 | ---- | ---- | ---- | ---- | ---- | 0.20 + 0.10 | .0052 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1020 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0054 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1025 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0055 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1030 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0056 | ---- | ---- | ---- | ---- | 35 UNCH |
| 1035 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0057 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1040 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0058 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1045 | 0.30 | 0.30 | 0.30/0.30 | 0.30/0.30 | ---- | 0.30 + 0.10 | .0083 | ---- | ---- | 20 | ---- | 30 + 20 |
| 1050 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0085 | ---- | ---- | ---- | ---- | 539 UNCH |
| 1055 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0087 | ---- | ---- | ---- | ---- | 501 UNCH |
| 1060 | 0.40 | 0.40 | 0.40/0.40 | 0.40/0.40 | ---- | 0.30 UNCH | .0088 | ---- | ---- | 10 | ---- | 22 + 10 |
| 1065 | 0.40 | 0.40 | 0.40/0.40 | 0.40/0.40 | ---- | 0.30 UNCH | .0090 | ---- | ---- | 10 | ---- | 20 + 10 |
| 1070 | 0.40 | 0.40 | 0.40/0.40 | 0.40/0.40 | ---- | 0.40 UNCH | .0116 | ---- | ---- | 20 | ---- | 20 + 20 |
| 1075 | 0.40 | 0.40 | 0.40/0.40 | 0.40/0.40 | ---- | 0.40 UNCH | .0119 | ---- | ---- | 100 | ---- | 100 + 100 |
| 1080 | 0.50 | 0.50 | 0.50/0.50 | 0.50/0.50 | ---- | 0.40 UNCH | .0122 | ---- | ---- | 10 | ---- | 30 + 9 |
| 1085 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0148 | ---- | ---- | ---- | ---- | 101 UNCH |
| 1090 | 0.60 | 0.60 | 0.60/0.60 | 0.60/0.60 | ---- | 0.50 UNCH | .0152 | ---- | ---- | 10 | ---- | 95 + 6 |
| 1095 | ---- | ---- | ---- | ---- | ---- | 0.60 UNCH | .0179 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1100 | 0.60 | 0.60 | 0.60/0.50 | 0.60/0.50 | ---- | 0.60 UNCH | .0184 | ---- | ---- | 144 | ---- | 1683 + 6 |
| 1105 | ---- | ---- | ---- | ---- | ---- | 0.70 UNCH | .0212 | ---- | ---- | ---- | ---- | 579 UNCH |
| 1110 | ---- | ---- | 0.80B/---- | 0.80B/---- | ---- | 0.70 UNCH | .0218 | ---- | ---- | ---- | ---- | 72 UNCH |
| 1120 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.10 | .0255 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1125 | 0.90 | 0.90 | 1.00B/0.90 | 1.00B/0.90 | ---- | 0.90 UNCH | .0286 | ---- | ---- | 1 | ---- | 64 + 1 |
| 1130 | 1.00 | 1.00 | 1.10B/0.90 | 1.10B/0.90 | ---- | 1.00 UNCH | .0318 | ---- | ---- | 10 | ---- | 15 + 10 |
| 1135 | ---- | ---- | 1.20B/---- | 1.20B/---- | ---- | 1.10 UNCH | .0351 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1140 | ---- | ---- | 1.40B/---- | 1.40B/---- | ---- | 1.20 UNCH | .0385 | ---- | ---- | 5 | ---- | 30 + 5 |
| 1145 | 1.30 | 1.30 | 1.50B/1.30 | 1.50B/1.30 | ---- | 1.40 UNCH | .0443 | ---- | ---- | 250 | ---- | 272 + 250 |
| 1150 | 1.50 | 1.50 | 1.70B/1.50 | 1.70B/1.50 | ---- | 1.50 UNCH | .0480 | ---- | ---- | 287 | ---- | 8563 + 1 |
| 1155 | 1.80 | 1.80 | 1.90B/1.80 | 1.90B/1.80 | ---- | 1.70 UNCH | .0541 | ---- | ---- | 11 | ---- | 11 + 9 |
| 1160 | ---- | ---- | 2.10B/---- | 2.10B/---- | ---- | 1.90 + 0.10 | .0603 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1165 | ---- | ---- | 2.30B/---- | 2.30B/---- | ---- | 2.10 + 0.10 | .0668 | ---- | ---- | 5 | ---- | 127 + 5 |
| 1170 | 2.30 | 2.30 | 2.60B/2.30 | 2.60B/2.30 | ---- | 2.30 + 0.10 | .0735 | ---- | ---- | 67 | ---- | 360 + 23 |
| 1175 | 2.60 | 2.60 | 2.90B/2.60 | 2.90B/2.60 | ---- | 2.60 + 0.10 | .0825 | ---- | ---- | 4 | ---- | 1000 + 4 |
| 1180 | ---- | ---- | 3.30B/---- | 3.30B/---- | ---- | 2.90 + 0.10 | .0919 | ---- | ---- | ---- | ---- | 411 UNCH |
| 1185 | 3.30 | 3.30 | 3.80/3.20A | 3.80/3.20A | ---- | 3.30 + 0.20 | .1035 | ---- | ---- | 35 | 50 | 91 + 34 |
| 1190 | ---- | ---- | 4.20B/---- | 4.20B/---- | ---- | 3.70 + 0.20 | .1154 | ---- | ---- | ---- | ---- | 174 UNCH |
| 1195 | ---- | ---- | 4.80B/---- | 4.80B/---- | ---- | 4.20 + 0.20 | .1295 | ---- | ---- | 1 | ---- | 733 UNCH |
| 1200 | 4.80 | 4.80 | 5.40B/4.60A | 5.40B/4.60A | ---- | 4.80 + 0.30 | .1457 | ---- | ---- | 244 | ---- | 2992 - 17 |
| 1205 | 5.30 | 5.30 | 6.20/4.90A | 6.20/4.90A | ---- | 5.50 + 0.40 | .1639 | ---- | ---- | 45 | ---- | 515 + 42 |
| 1210 | 6.50 | 6.50 | 7.10B/5.70A | 7.10B/5.70A | ---- | 6.20 + 0.40 | .1826 | ---- | ---- | 41 | ---- | 333 + 11 |
| 1215 | ---- | ---- | 8.00B/6.50A | 8.00B/6.50A | ---- | 7.00 + 0.40 | .2032 | ---- | ---- | ---- | ---- | 96 UNCH |
| 1220 | 8.20 | 8.20 | 9.20/7.30A | 9.20/7.30A | ---- | 8.00 + 0.40 | .2270 | ---- | ---- | 109 | ---- | 756 + 40 |
| 1225 | 8.80 | 8.80 | 10.40B/8.30A | 10.40B/8.30A | ---- | 9.20 + 0.50 | .2535 | ---- | ---- | 8 | ---- | 1082 UNCH |
| 1230 | 10.50 | 10.50 | 11.80B/9.50A | 11.80B/9.50A | ---- | 10.40 + 0.50 | .2804 | ---- | ---- | 56 | ---- | 252 + 29 |
| 1235 | 11.90 | 11.90 | 13.40/10.80A | 13.40/10.80A | ---- | 11.90 + 0.60 | .3104 | ---- | ---- | 15 | ---- | 96 - 9 |
| 1240 | 13.40 | 13.40 | 15.10/12.20A | 15.10/12.20A | ---- | 13.50 + 0.70 | .3416 | ---- | ---- | 142 | 250 | 978 + 245 |
| 1245 | 15.30 | 15.30 | 17.10B/13.80A | 17.10B/13.80A | ---- | 15.40 + 0.80 | .3747 | ---- | ---- | 2 | ---- | 48 + 2 |
| 1250 | 17.60 | 17.60 | 19.30B/15.60A | 19.30B/15.60A | ---- | 17.40 + 0.90 | .4084 | ---- | ---- | 51 | ---- | 1288 - 6 |
| 1255 | ---- | ---- | 21.60B/17.60A | 21.60B/17.60A | ---- | 19.60 + 1.00 | .4429 | ---- | ---- | ---- | ---- | 717 UNCH |
| 1260 | 21.30 | 21.30 | 24.20B/19.80A | 24.20B/19.80A | ---- | 22.10 + 1.10 | .4777 | ---- | ---- | 34 | ---- | 375 - 1 |
| 1265 | 24.70 | 24.70 | 26.90B/22.20A | 26.90B/22.20A | ---- | 24.70 + 1.20 | .5123 | ---- | ---- | 39 | ---- | 483 + 2 |
| 1270 | 25.80 | 25.80 | 29.90B/24.90A | 29.90B/24.90A | ---- | 27.50 + 1.30 | .5463 | ---- | ---- | 30 | ---- | 874 UNCH |
| 1275 | 28.80 | 28.80 | 33.00B/27.70A | 33.00B/27.70A | ---- | 30.60 + 1.50 | .5795 | ---- | ---- | 3 | ---- | 1067 + 3 |
| 1280 | ---- | ---- | 36.40B/30.70A | 36.40B/30.70A | ---- | 33.80 + 1.60 | .6111 | ---- | ---- | ---- | ---- | 382 UNCH |
| 1285 | ---- | ---- | 39.80B/33.90A | 39.80B/33.90A | ---- | 37.20 + 1.70 | .6415 | ---- | ---- | ---- | ---- | 663 UNCH |
| 1290 | 40.40 | 40.40 | 43.50B/37.30A | 43.50B/37.30A | ---- | 40.70 + 1.80 | .6699 | ---- | ---- | 80 | ---- | 380 + 35 |
| 1295 | 43.90 | 43.90 | 47.30B/40.90A | 47.30B/40.90A | ---- | 44.40 + 1.90 | .6970 | ---- | ---- | 2 | ---- | 128 UNCH |
| 1300 | ---- | ---- | 51.20B/44.60A | 51.20B/44.60A | ---- | 48.30 + 2.10 | .7227 | ---- | ---- | ---- | ---- | 1829 UNCH |
| 1305 | ---- | ---- | 55.20B/48.40A | 55.20B/48.40A | ---- | 52.20 + 2.10 | .7458 | ---- | ---- | ---- | ---- | 233 UNCH |
| 1310 | ---- | ---- | 59.30B/52.40A | 59.30B/52.40A | ---- | 56.30 + 2.20 | .7672 | ---- | ---- | 70 | ---- | 747 - 48 |
| 1315 | ---- | ---- | 63.50B/56.50A | 63.50B/56.50A | ---- | 60.50 + 2.40 | .7868 | ---- | ---- | ---- | ---- | 449 UNCH |
| 1320 | ---- | ---- | 67.80B/60.60A | 67.80B/60.60A | ---- | 64.80 + 2.50 | .8046 | ---- | ---- | ---- | ---- | 477 UNCH |
| 1325 | ---- | ---- | 72.20B/64.90A | 72.20B/64.90A | ---- | 69.10 + 2.50 | .8219 | ---- | ---- | ---- | ---- | 1546 UNCH |
| 1330 | ---- | ---- | 76.70B/69.20A | 76.70B/69.20A | ---- | 73.50 + 2.60 | .8358 | ---- | ---- | ---- | ---- | 356 UNCH |
| 1335 | ---- | ---- | 81.20B/73.60A | 81.20B/73.60A | ---- | 78.00 + 2.70 | .8493 | ---- | ---- | ---- | ---- | 183 UNCH |
| 1340 | ---- | ---- | 85.70B/78.10A | 85.70B/78.10A | ---- | 82.50 + 2.70 | .8625 | ---- | ---- | ---- | ---- | 598 UNCH |
| 1345 | ---- | ---- | 90.30B/82.60A | 90.30B/82.60A | ---- | 87.10 + 2.80 | .8736 | ---- | ---- | ---- | ---- | 374 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG PUT | | COMEX GOLD OPTIONS | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | |
| 1350 | ---- | ---- | 94.90B/87.10A | 94.90B/87.10A | ---- | 91.70 + 2.90 | .8845 | ---- | ---- | ---- | ---- | 1636 UNCH |
| 1355 | ---- | ---- | 99.60B/91.70A | 99.60B/91.70A | ---- | 96.40 + 3.00 | .8933 | ---- | ---- | ---- | ---- | 321 UNCH |
| 1360 | ---- | ---- | 104.30B/96.40A | 104.30B/96.40A | ---- | 101.10 + 3.00 | .9019 | ---- | ---- | ---- | ---- | 180 UNCH |
| 1365 | ---- | ---- | 109.00B/101.10A | 109.00B/101.10A | ---- | 105.80 + 3.00 | .9103 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1370 | ---- | ---- | 113.80B/105.80A | 113.80B/105.80A | ---- | 110.50 + 3.00 | .9165 | ---- | ---- | ---- | ---- | 130 UNCH |
| 1375 | ---- | ---- | 118.60B/110.50A | 118.60B/110.50A | ---- | 115.30 + 3.10 | .9226 | ---- | ---- | ---- | ---- | 340 UNCH |
| 1380 | ---- | ---- | 123.40B/115.30A | 123.40B/115.30A | ---- | 120.10 + 3.20 | .9285 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1385 | ---- | ---- | 128.20B/120.00A | 128.20B/120.00A | ---- | 124.90 + 3.20 | .9342 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1400 | ---- | ---- | 142.80B/134.50A | 142.80B/134.50A | ---- | 139.40 + 3.30 | .9466 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1420 | ---- | ---- | 162.40B/154.00A | 162.40B/154.00A | ---- | 159.00 + 3.40 | .9612 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1435 | ---- | ---- | 177.20B/168.70A | 177.20B/168.70A | ---- | 173.70 + 3.40 | .9676 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1455 | ---- | ---- | 197.00B/188.40A | 197.00B/188.40A | ---- | 193.50 + 3.50 | .9763 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1500 | ---- | ---- | 236.40B/---- | 236.40B/---- | ---- | 238.20 + 3.60 | .9857 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1540 | ---- | ---- | ---- | ---- | ---- | 278.10 + 3.70 | .9914 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 338.10 + 3.70 | .9946 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 588.10 NEW | .9999 | ---- | ---- | 11 | ---- | 11 + 11 |
| TOTAL | | | | | | | | | | 1982 | 300 | 39919 + 862 |
| NOV18 | | | | | | | | | | | | |
| 900 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.10 UNCH | .0001 | ---- | ---- | 131 | ---- | 131 + 100 |
| 940 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0007 | ---- | ---- | ---- | ---- | 10 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0010 | ---- | ---- | ---- | ---- | 13 UNCH |
| 960 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0015 | ---- | ---- | ---- | ---- | 10 UNCH |
| 970 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0021 | ---- | ---- | ---- | ---- | 10 UNCH |
| 975 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0025 | ---- | ---- | ---- | ---- | 1 UNCH |
| 990 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0048 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0049 | ---- | ---- | ---- | ---- | 64 UNCH |
| 1010 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0051 | ---- | ---- | ---- | ---- | 145 UNCH |
| 1020 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0074 | ---- | ---- | ---- | ---- | 56 UNCH |
| 1025 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0075 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1030 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0077 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1040 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0100 | ---- | ---- | ---- | ---- | 73 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0124 | ---- | ---- | 29 | ---- | 10010 UNCH |
| 1060 | ---- | ---- | ---- | ---- | ---- | 0.60 UNCH | .0149 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1065 | ---- | ---- | ---- | ---- | ---- | 0.60 UNCH | .0153 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1070 | ---- | ---- | ----/0.60A | ----/0.60A | ---- | 0.60 - 0.10 | .0156 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1090 | ---- | ---- | ---- | ---- | ---- | 0.90 UNCH | .0232 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1095 | ---- | ---- | ---- | ---- | ---- | 0.90 UNCH | .0237 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 1.00 UNCH | .0263 | ---- | ---- | ---- | ---- | 685 UNCH |
| 1105 | ---- | ---- | ---- | ---- | ---- | 1.10 UNCH | .0289 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1110 | ---- | ---- | ---- | ---- | ---- | 1.10 - 0.10 | .0296 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1115 | ---- | ---- | ---- | ---- | ---- | 1.20 - 0.10 | .0324 | ---- | ---- | ---- | ---- | 21 UNCH |
| 1125 | ---- | ---- | ---- | ---- | ---- | 1.40 - 0.10 | .0381 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1130 | ---- | ---- | ---- | ---- | ---- | 1.50 - 0.10 | .0411 | ---- | ---- | ---- | ---- | 37 UNCH |
| 1135 | ---- | ---- | 1.90B/---- | 1.90B/---- | ---- | 1.60 - 0.10 | .0443 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1140 | 1.80 | 1.80 | 2.00B/1.80 | 2.00B/1.80 | ---- | 1.80 - 0.10 | .0494 | ---- | ---- | 60 | ---- | 150 + 60 |
| 1145 | 2.10 | 2.10 | 2.20B/2.10 | 2.20B/2.10 | ---- | 2.00 UNCH | .0547 | ---- | ---- | 10 | ---- | 306 + 10 |
| 1150 | 2.20 | 2.20 | 2.50B/2.20 | 2.50B/2.20 | ---- | 2.20 UNCH | .0600 | ---- | ---- | 27 | ---- | 10282 UNCH |
| 1155 | 2.60 | 2.60 | 2.70B/2.60 | 2.70B/2.60 | ---- | 2.50 + 0.10 | .0674 | ---- | ---- | 6 | ---- | 74 + 6 |
| 1160 | 2.70 | 2.70 | 3.00B/2.70 | 3.00B/2.70 | ---- | 2.80 + 0.20 | .0748 | ---- | ---- | 13 | ---- | 5048 + 13 |
| 1165 | ---- | ---- | 3.30B/---- | 3.30B/---- | ---- | 3.00 + 0.10 | .0807 | ---- | ---- | ---- | ---- | 91 UNCH |
| 1170 | ---- | ---- | 3.70B/---- | 3.70B/---- | ---- | 3.30 + 0.10 | .0886 | ---- | ---- | ---- | ---- | 1170 UNCH |
| 1175 | 3.60 | 3.60 | 4.10B/3.60 | 4.10B/3.60 | ---- | 3.60 + 0.10 | .0967 | ---- | ---- | 41 | ---- | 1526 + 6 |
| 1180 | 3.90 | 3.90 | 4.50B/3.90 | 4.50B/3.90 | ---- | 4.00 + 0.10 | .1067 | ---- | ---- | 180 | ---- | 335 + 168 |
| 1185 | ---- | ---- | 5.00B/---- | 5.00B/---- | ---- | 4.40 + 0.10 | .1169 | ---- | ---- | 25 | ---- | 77 UNCH |
| 1190 | 4.90 | 4.90 | 5.50B/4.70A | 5.50B/4.70A | ---- | 5.00 + 0.20 | .1305 | ---- | ---- | 37 | ---- | 167 + 35 |
| 1195 | 5.30 | 5.30 | 6.20B/5.30 | 6.20B/5.30 | ---- | 5.50 + 0.10 | .1429 | ---- | ---- | 6 | ---- | 98 + 6 |
| 1200 | 7.00 | 7.00 | 7.00/5.80A | 7.00/5.80A | ---- | 6.20 + 0.20 | .1583 | ---- | ---- | 16 | ---- | 386 + 12 |
| 1205 | ---- | ---- | 7.80B/6.50A | 7.80B/6.50A | ---- | 7.00 + 0.30 | .1753 | ---- | ---- | ---- | ---- | 168 UNCH |
| 1210 | 7.60 | 7.60 | 8.70B/7.30A | 8.70B/7.30A | ---- | 7.80 + 0.30 | .1926 | ---- | ---- | 44 | ---- | 139 + 32 |
| 1215 | 8.40 | 8.40 | 9.70B/8.10A | 9.70B/8.10A | ---- | 8.80 + 0.40 | .2124 | ---- | ---- | 4 | ---- | 717 + 4 |
| 1220 | 9.70 | 9.70 | 10.90B/9.10A | 10.90B/9.10A | ---- | 9.80 + 0.40 | .2326 | ---- | ---- | 1 | ---- | 69 UNCH |
| 1225 | ---- | ---- | 12.20B/10.10A | 12.20B/10.10A | ---- | 11.00 + 0.50 | .2550 | ---- | ---- | 25 | ---- | 1099 - 25 |
| 1230 | ---- | ---- | 13.60B/11.30A | 13.60B/11.30A | ---- | 12.30 + 0.60 | .2785 | ---- | ---- | 21 | ---- | 86 + 11 |
| 1235 | 13.80 | 13.80 | 15.20B/12.60A | 15.20B/12.60A | ---- | 13.80 + 0.70 | .3037 | ---- | ---- | 12 | ---- | 77 - 2 |
| 1240 | 16.70 | 16.70 | 16.90B/14.10A | 16.90B/14.10A | ---- | 15.40 + 0.80 | .3298 | ---- | ---- | 3 | ---- | 221 + 3 |
| 1245 | ---- | ---- | 18.70B/15.70A | 18.70B/15.70A | ---- | 17.10 + 0.80 | .3566 | ---- | ---- | ---- | ---- | 43 UNCH |
| 1250 | 20.00 | 20.00 | 20.80B/17.50A | 20.80B/17.50A | ---- | 19.00 + 0.80 | .3846 | ---- | ---- | 3 | ---- | 758 UNCH |
| 1255 | ---- | ---- | 23.00B/19.40A | 23.00B/19.40A | ---- | 21.10 + 0.90 | .4133 | ---- | ---- | ---- | ---- | 61 UNCH |
| 1260 | 23.00 | 23.00 | #25.40B/21.50A | #25.40B/21.50A | ---- | 23.40 + 1.00 | .4425 | ---- | ---- | 2 | ---- | 80 UNCH |
| 1265 | 25.40 | 25.40 | #28.00B/23.70A | #28.00B/23.70A | ---- | 25.90 + 1.20 | .4717 | ---- | ---- | 22 | ---- | 72 + 22 |
| 1270 | 28.30 | 28.30 | #30.70B/26.20A | #30.70B/26.20A | ---- | 28.50 + 1.30 | .5008 | ---- | ---- | 2 | ---- | 142 UNCH |
| 1275 | ---- | ---- | 33.60B/28.80A | 33.60B/28.80A | ---- | 31.30 + 1.40 | .5295 | ---- | ---- | ---- | ---- | 191 UNCH |
| 1280 | ---- | ---- | #36.60B/31.60A | #36.60B/31.60A | ---- | 34.20 + 1.40 | .5576 | ---- | ---- | ---- | ---- | 522 UNCH |
| 1285 | ---- | ---- | #39.80B/34.50A | #39.80B/34.50A | ---- | 37.40 + 1.60 | .5847 | ---- | ---- | ---- | ---- | 109 UNCH |
| 1290 | ---- | ---- | #43.20B/37.60A | #43.20B/37.60A | ---- | 40.60 + 1.60 | .6109 | ---- | ---- | ---- | ---- | 275 UNCH |
| 1295 | ---- | ---- | #46.60B/40.90A | #46.60B/40.90A | ---- | 44.10 + 1.80 | .6363 | ---- | ---- | ---- | ---- | 233 UNCH |
| 1300 | ---- | ---- | 50.30B/44.30A | 50.30B/44.30A | ---- | 47.60 + 1.80 | .6602 | ---- | ---- | ---- | ---- | 233 UNCH |
| 1305 | ---- | ---- | #54.00B/47.80A | #54.00B/47.80A | ---- | 51.30 + 1.90 | .6830 | ---- | ---- | ---- | ---- | 351 UNCH |
| 1310 | ---- | ---- | #57.80B/51.50A | #57.80B/51.50A | ---- | 55.10 + 2.00 | .7046 | ---- | ---- | ---- | ---- | 272 UNCH |
| 1315 | ---- | ---- | #61.80B/55.30A | #61.80B/55.30A | ---- | 59.00 + 2.10 | .7241 | ---- | ---- | ---- | ---- | 223 UNCH |
| 1320 | ---- | ---- | #65.80B/59.20A | #65.80B/59.20A | ---- | 63.00 + 2.20 | .7432 | ---- | ---- | ---- | ---- | 159 UNCH |
| 1325 | ---- | ---- | #70.00B/63.10A | #70.00B/63.10A | ---- | 67.10 + 2.30 | .7609 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1330 | ---- | ---- | #74.20B/67.20A | #74.20B/67.20A | ---- | 71.20 + 2.30 | .7783 | ---- | ---- | ---- | ---- | 53 UNCH |
| 1335 | ---- | ---- | #78.40B/71.40A | #78.40B/71.40A | ---- | 75.50 + 2.40 | .7933 | ---- | ---- | ---- | ---- | 343 UNCH |
| 1340 | ---- | ---- | #82.80B/75.60A | #82.80B/75.60A | ---- | 79.80 + 2.50 | .8079 | ---- | ---- | ---- | ---- | 210 UNCH |
| 1345 | ---- | ---- | #87.20B/79.90A | #87.20B/79.90A | ---- | 84.10 + 2.50 | .8209 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1350 | ---- | ---- | #91.60B/84.30A | #91.60B/84.30A | ---- | 88.60 + 2.60 | .8325 | ---- | ---- | ---- | ---- | 38 UNCH |
| 1355 | ---- | ---- | #96.10B/88.70A | #96.10B/88.70A | ---- | 93.00 + 2.60 | .8450 | ---- | ---- | ---- | ---- | 515 UNCH |
| 1360 | ---- | ---- | #100.60B/93.10A | #100.60B/93.10A | ---- | 97.50 + 2.70 | .8546 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1375 | ---- | ---- | #114.40B/106.70 | #114.40B/106.70A | ---- | 111.30 + 2.90 | .8821 | ---- | ---- | ---- | ---- | 63 UNCH |
| 1380 | ---- | ---- | #119.10B/111.40 | #119.10B/111.40A | ---- | 116.00 + 3.00 | .8894 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1400 | ---- | ---- | #138.00B/130.10 | #138.00B/130.10A | ---- | 134.90 + 3.20 | .9156 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1455 | ---- | ---- | #189.70B/183.80 | #189.70B/183.80A | ---- | 188.10 + 3.40 | .9575 | ---- | ---- | ---- | ---- | 16 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 482.00 + 3.80 | .9957 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 582.00 + 3.80 | .9989 | ---- | ---- | ---- | ---- | 8 UNCH |
| TOTAL | | | | | | | | | | 720 | | 38911 + 461 |
| DEC18 | | | | | | | | | | | | |
| 700 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 45 UNCH |
| 750 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 53 UNCH |
| 800 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 344 UNCH |
| 825 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 4 UNCH |
| 875 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0007 | ---- | ---- | ---- | ---- | 114 UNCH |
| 890 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0011 | ---- | ---- | ---- | ---- | 24 UNCH |
| 900 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0015 | ---- | ---- | 97 | ---- | 816 + 50 |
| 910 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0021 | ---- | ---- | ---- | ---- | 10 UNCH |
| 920 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0038 | ---- | ---- | ---- | ---- | 2 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0042 | ---- | ---- | ---- | ---- | 72 UNCH |
| 960 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0043 | ---- | ---- | ---- | ---- | 1 UNCH |
| 975 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0063 | ---- | ---- | ---- | ---- | 10 UNCH |
| 985 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.30 NEW | .0066 | ---- | ---- | 5 | ---- | 5 + 5 |
| 1000 | 0.40 | 0.40 | 0.40/0.40 | 0.40/0.40 | ---- | 0.40 UNCH | .0087 | ---- | ---- | 80 | ---- | 5894 - 40 |
| 1010 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0090 | ---- | ---- | ---- | ---- | 135 UNCH |
| 1015 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0109 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1020 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0111 | ---- | ---- | ---- | ---- | 544 UNCH |
| 1025 | ---- | ---- | ---- | ---- | ---- | 0.50 - 0.10 | .0113 | ---- | ---- | ---- | ---- | 43 UNCH |
| 1030 | ---- | ---- | ---- | ---- | ---- | 0.60 UNCH | .0133 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1035 | ---- | ---- | ---- | ---- | ---- | 0.60 UNCH | .0136 | ---- | ---- | ---- | ---- | 31 UNCH |
| 1040 | ---- | ---- | ---- | ---- | ---- | 0.60 - 0.10 | .0138 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1045 | ---- | ---- | ---- | ---- | ---- | 0.70 UNCH | .0159 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 1050 | 0.70 | 0.70 | 0.70/0.70 | 0.70/0.70 | ---- | 0.70 - 0.10 | .0162 | ---- | ---- | 117 | ---- | 2286 + 1 |
| 1055 | ---- | ---- | ---- | ---- | ---- | 0.80 UNCH | .0183 | ---- | ---- | ---- | ---- | 135 UNCH |
| 1060 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.10 | .0187 | ---- | ---- | ---- | ---- | 78 UNCH |
| 1065 | ---- | ---- | ---- | ---- | ---- | 0.90 UNCH | .0208 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1070 | ---- | ---- | ---- | ---- | ---- | 0.90 - 0.10 | .0213 | ---- | ---- | ---- | ---- | 494 UNCH |
| 1075 | ---- | ---- | ---- | ---- | ---- | 1.00 UNCH | .0235 | ---- | ---- | ---- | ---- | 163 UNCH |
| 1080 | ---- | ---- | ---- | ---- | ---- | 1.10 UNCH | .0258 | ---- | ---- | ---- | ---- | 366 UNCH |
| 1085 | ---- | ---- | ---- | ---- | ---- | 1.10 - 0.10 | .0264 | ---- | ---- | ---- | ---- | 149 UNCH |
| 1090 | ---- | ---- | ---- | ---- | ---- | 1.20 - 0.10 | .0287 | ---- | ---- | ---- | ---- | 54 UNCH |
| 1095 | ---- | ---- | ---- | ---- | ---- | 1.30 - 0.10 | .0312 | ---- | ---- | ---- | ---- | 156 UNCH |
| 1100 | 1.40 | 1.40 | 1.40/1.40 | 1.40/1.40 | ---- | 1.40 - 0.10 | .0337 | ---- | ---- | 13 | ---- | 6683 + 3 |
| 1105 | ---- | ---- | ---- | ---- | ---- | 1.50 - 0.10 | .0362 | ---- | ---- | ---- | ---- | 32 UNCH |
| 1110 | ---- | ---- | ---- | ---- | ---- | 1.60 - 0.10 | .0388 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1115 | ---- | ---- | ---- | ---- | ---- | 1.80 UNCH | .0432 | ---- | ---- | ---- | ---- | 91 UNCH |
| 1120 | ---- | ---- | 2.00B/---- | 2.00B/---- | ---- | 1.90 UNCH | .0460 | ---- | ---- | ---- | ---- | 455 UNCH |
| 1125 | ---- | ---- | 2.20B/---- | 2.20B/---- | ---- | 2.10 UNCH | .0506 | ---- | ---- | ---- | ---- | 350 UNCH |
| 1130 | ---- | ---- | 2.40B/---- | 2.40B/---- | ---- | 2.20 - 0.10 | .0536 | ---- | ---- | ---- | ---- | 951 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG PUT | | COMEX GOLD OPTIONS | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 1135 | 2.50 | 2.50 | 2.60B/2.40A | 2.60B/2.40A | ---- | 2.40 - 0.10 | .0584 | ---- | ---- | 7 | ---- | 278 + 2 |
| 1140 | 2.70 | 2.70 | 2.90B/2.70 | 2.90B/2.70 | ---- | 2.70 UNCH | .0649 | ---- | ---- | 14 | 1600 | 1587 + 1032 |
| 1145 | 2.80 | 2.80 | 3.10B/2.80 | 3.10B/2.80 | ---- | 2.90 UNCH | .0700 | ---- | ---- | 9 | ---- | 1622 + 5 |
| 1150 | 3.20 | 3.20 | 3.60/3.10A | 3.60/3.10A | ---- | 3.20 UNCH | .0767 | ---- | ---- | 71 | ---- | 5921 + 30 |
| 1155 | 3.70 | 3.70 | 3.80B/3.40A | 3.80B/3.40A | ---- | 3.50 UNCH | .0836 | ---- | ---- | 6 | ---- | 169 + 6 |
| 1160 | 3.80 | 3.80 | 4.10/3.70A | 4.10/3.70A | ---- | 3.80 UNCH | .0906 | ---- | ---- | 55 | ---- | 2186 - 55 |
| 1165 | 4.10 | 4.10 | 4.60B/4.10 | 4.60B/4.10 | ---- | 4.20 + 0.10 | .0993 | ---- | ---- | 24 | ---- | 331 - 22 |
| 1170 | 4.50 | 4.50 | 5.00B/4.40A | 5.00B/4.40A | ---- | 4.60 + 0.10 | .1082 | ---- | ---- | 26 | ---- | 1850 + 23 |
| 1175 | 5.30 | 5.30 | 5.60B/4.80A | 5.60B/4.80A | ---- | 5.10 + 0.20 | .1187 | ---- | ---- | 3 | ---- | 4467 + 1 |
| 1180 | ---- | ---- | 6.20B/---- | 6.20B/---- | ---- | 5.60 + 0.20 | .1293 | ---- | ---- | ---- | ---- | 740 UNCH |
| 1185 | ---- | ---- | 6.80B/5.80A | 6.80B/5.80A | ---- | 6.20 + 0.20 | .1415 | ---- | ---- | ---- | ---- | 206 UNCH |
| 1190 | 6.90 | 6.90 | 7.60B/6.40A | 7.60B/6.40A | ---- | 6.80 + 0.20 | .1539 | ---- | ---- | 1 | ---- | 230 - 1 |
| 1195 | ---- | ---- | 8.40B/7.20A | 8.40B/7.20A | ---- | 7.60 + 0.30 | .1689 | ---- | ---- | ---- | ---- | 261 UNCH |
| 1200 | 8.30 | 8.30 | 9.30B/7.90A | 9.30B/7.90A | ---- | 8.40 + 0.30 | .1840 | ---- | ---- | 18 | ---- | 6803 - 11 |
| 1205 | ---- | ---- | 10.30B/8.70A | 10.30B/8.70A | ---- | 9.30 + 0.30 | .2004 | ---- | ---- | ---- | ---- | 1118 UNCH |
| 1210 | ---- | ---- | 11.30B/9.60A | 11.30B/9.60A | ---- | 10.30 + 0.40 | .2181 | ---- | ---- | ---- | ---- | 173 UNCH |
| 1215 | 11.50 | 11.50 | 12.50B/10.60A | 12.50B/10.60A | ---- | 11.40 + 0.40 | .2368 | ---- | ---- | 503 | ---- | 1852 - 249 |
| 1220 | 13.60 | 13.60 | 13.80B/11.80A | 13.80B/11.80A | ---- | 12.60 + 0.40 | .2566 | ---- | ---- | 8 | ---- | 565 - 8 |
| 1225 | ---- | ---- | 15.30B/13.00A | 15.30B/13.00A | ---- | 13.90 + 0.40 | .2773 | ---- | ---- | 100 | ---- | 1941 + 26 |
| 1230 | 15.40 | 15.40 | 16.80B/14.30A | 16.80B/14.30A | ---- | 15.40 + 0.50 | .2996 | ---- | ---- | 2 | ---- | 279 UNCH |
| 1235 | ---- | ---- | 18.50B/15.80A | 18.50B/15.80A | ---- | 17.00 + 0.60 | .3225 | ---- | ---- | ---- | ---- | 1240 UNCH |
| 1240 | ---- | ---- | 20.40B/17.40A | 20.40B/17.40A | ---- | 18.70 + 0.60 | .3461 | ---- | ---- | ---- | ---- | 939 UNCH |
| 1245 | ---- | ---- | 22.30B/19.10A | 22.30B/19.10A | ---- | 20.60 + 0.70 | .3707 | ---- | ---- | ---- | ---- | 383 UNCH |
| 1250 | 22.40 | 22.40 | 24.50B/21.00A | 24.50B/21.00A | ---- | 22.70 + 0.90 | .3958 | ---- | ---- | 104 | ---- | 3822 + 2 |
| 1255 | 25.00 | 25.00 | 26.70B/23.00A | 26.70B/23.00A | ---- | 24.80 + 0.90 | .4210 | ---- | ---- | 63 | ---- | 1139 + 61 |
| 1260 | ---- | ---- | 29.20B/25.20A | 29.20B/25.20A | ---- | 27.20 + 1.00 | .4467 | ---- | ---- | ---- | ---- | 279 UNCH |
| 1265 | 29.30 | 29.30 | 31.80B/27.50A | 31.80B/27.50A | ---- | 29.70 + 1.10 | .4723 | ---- | ---- | 34 | ---- | 1915 UNCH |
| 1270 | ---- | ---- | 34.50B/30.00A | 34.50B/30.00A | ---- | 32.30 + 1.10 | .4979 | ---- | ---- | ---- | ---- | 830 UNCH |
| 1275 | 35.00 | 35.00 | 37.40B/32.60A | 37.40B/32.60A | ---- | 35.10 + 1.20 | .5230 | ---- | ---- | 36 | ---- | 2926 + 1 |
| 1280 | ---- | ---- | 40.40B/35.50A | 40.40B/35.50A | ---- | 38.10 + 1.40 | .5478 | ---- | ---- | ---- | ---- | 1116 UNCH |
| 1285 | ---- | ---- | 43.50B/38.40A | 43.50B/38.40A | ---- | 41.10 + 1.30 | .5716 | ---- | ---- | ---- | ---- | 607 UNCH |
| 1290 | ---- | ---- | 46.80B/41.50A | 46.80B/41.50A | ---- | 44.40 + 1.50 | .5951 | ---- | ---- | ---- | ---- | 569 UNCH |
| 1295 | ---- | ---- | 50.20B/44.70A | 50.20B/44.70A | ---- | 47.70 + 1.50 | .6176 | ---- | ---- | ---- | ---- | 278 UNCH |
| 1300 | ---- | ---- | 53.80B/48.10A | 53.80B/48.10A | ---- | 51.20 + 1.60 | .6392 | ---- | ---- | ---- | ---- | 2306 UNCH |
| 1305 | ---- | ---- | 57.40B/51.50A | 57.40B/51.50A | ---- | 54.80 + 1.70 | .6600 | ---- | ---- | ---- | ---- | 191 UNCH |
| 1310 | ---- | ---- | 61.10B/55.10A | 61.10B/55.10A | ---- | 58.50 + 1.80 | .6793 | ---- | ---- | ---- | ---- | 1631 UNCH |
| 1315 | ---- | ---- | 65.00B/58.80A | 65.00B/58.80A | ---- | 62.30 + 1.90 | .6981 | ---- | ---- | ---- | ---- | 889 UNCH |
| 1320 | ---- | ---- | 68.90B/62.50A | 68.90B/62.50A | ---- | 66.20 + 2.00 | .7160 | ---- | ---- | ---- | ---- | 942 UNCH |
| 1325 | ---- | ---- | 72.90B/66.40A | 72.90B/66.40A | ---- | 70.10 + 2.00 | .7328 | ---- | ---- | ---- | ---- | 754 UNCH |
| 1330 | ---- | ---- | 77.00B/70.40A | 77.00B/70.40A | ---- | 74.20 + 2.10 | .7484 | ---- | ---- | ---- | ---- | 387 UNCH |
| 1335 | ---- | ---- | 81.10B/74.40A | 81.10B/74.40A | ---- | 78.30 + 2.20 | .7638 | ---- | ---- | ---- | ---- | 917 UNCH |
| 1340 | ---- | ---- | 85.40B/78.50A | 85.40B/78.50A | ---- | 82.50 + 2.30 | .7779 | ---- | ---- | ---- | ---- | 1228 UNCH |
| 1345 | ---- | ---- | 89.60B/82.70A | 89.60B/82.70A | ---- | 86.70 + 2.30 | .7909 | ---- | ---- | ---- | ---- | 410 UNCH |
| 1350 | ---- | ---- | 94.00B/86.90A | 94.00B/86.90A | ---- | 91.00 + 2.40 | .8026 | ---- | ---- | ---- | ---- | 933 UNCH |
| 1355 | ---- | ---- | 98.30B/91.20A | 98.30B/91.20A | ---- | 95.40 + 2.50 | .8151 | ---- | ---- | ---- | ---- | 204 UNCH |
| 1360 | ---- | ---- | 102.80B/95.50A | 102.80B/95.50A | ---- | 99.80 + 2.50 | .8252 | ---- | ---- | ---- | ---- | 1055 UNCH |
| 1365 | ---- | ---- | 107.20B/99.90A | 107.20B/99.90A | ---- | 104.30 + 2.60 | .8362 | ---- | ---- | ---- | ---- | 351 UNCH |
| 1370 | ---- | ---- | 111.70B/104.40A | 111.70B/104.40A | ---- | 108.80 + 2.70 | .8447 | ---- | ---- | ---- | ---- | 235 UNCH |
| 1375 | ---- | ---- | 116.30B/108.80A | 116.30B/108.80A | ---- | 113.30 + 2.70 | .8542 | ---- | ---- | ---- | ---- | 1148 UNCH |
| 1380 | ---- | ---- | 120.90B/113.40A | 120.90B/113.40A | ---- | 117.80 + 2.70 | .8623 | ---- | ---- | ---- | ---- | 208 UNCH |
| 1385 | ---- | ---- | 125.50B/117.90A | 125.50B/117.90A | ---- | 122.40 + 2.70 | .8703 | ---- | ---- | ---- | ---- | 294 UNCH |
| 1390 | ---- | ---- | 130.10B/122.50A | 130.10B/122.50A | ---- | 127.10 + 2.90 | .8768 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1395 | ---- | ---- | 134.80B/127.10A | 134.80B/127.10A | ---- | 131.70 + 2.90 | .8845 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1400 | ---- | ---- | 139.50B/131.70A | 139.50B/131.70A | ---- | 136.40 + 3.00 | .8908 | ---- | ---- | ---- | ---- | 236 UNCH |
| 1410 | ---- | ---- | 148.90B/141.10A | 148.90B/141.10A | ---- | 145.80 + 3.00 | .9030 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1420 | ---- | ---- | 158.40B/150.50A | 158.40B/150.50A | ---- | 155.20 + 3.00 | .9120 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1450 | ---- | ---- | 187.30B/179.20A | 187.30B/179.20A | ---- | 184.10 + 3.30 | .9371 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1500 | ---- | ---- | 236.20B/227.90A | 236.20B/227.90A | ---- | 232.90 + 3.50 | .9613 | ---- | ---- | ---- | ---- | 41 UNCH |
| 1510 | ---- | ---- | 246.10B/237.70A | 246.10B/237.70A | ---- | 242.70 + 3.50 | .9638 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1580 | ---- | ---- | 315.60B/307.00A | 315.60B/307.00A | ---- | 312.10 + 3.70 | .9809 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1600 | ---- | ---- | 329.00B/327.80A | 329.00B/327.80A | ---- | 332.00 + 3.70 | .9833 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 382.00 + 3.80 | .9878 | ---- | ---- | ---- | ---- | 73 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 482.00 + 3.80 | .9924 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 532.00 + 3.80 | .9944 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 582.00 + 3.80 | .9947 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 732.00 + 3.80 | .9989 | ---- | ---- | ---- | ---- | 300 UNCH |
| TOTAL | | | | | | | | | | 1396 | 1,600 | 85160+ 862 |
| JAN19 | | | | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0036 | ---- | ---- | 20 | ---- | 37 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0058 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0102 | ---- | ---- | ---- | ---- | 31 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 0.90 - 0.10 | .0192 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1080 | ---- | ---- | ---- | ---- | ---- | 1.40 UNCH | .0300 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1085 | 1.40 | 1.40 | 1.40/1.30 | 1.40/1.30 | ---- | 1.40 NEW | .0306 | ---- | ---- | 755 | ---- | 750 + 750 |
| 1090 | ---- | ---- | ---- | ---- | ---- | 1.60 UNCH | .0345 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1100 | ---- | ---- | ----/1.80A | ----/1.80A | ---- | 1.80 - 0.10 | .0392 | ---- | ---- | ---- | ---- | 146 UNCH |
| 1110 | ---- | ---- | ---- | ---- | ---- | 2.00 NEW | .0441 | ---- | ---- | 5 | ---- | 5 + 5 |
| 1120 | 2.50 | 2.50 | 2.50/2.30A | 2.50/2.30A | ---- | 2.40 - 0.10 | .0524 | ---- | ---- | 7 | ---- | 17 + 7 |
| 1125 | ---- | ---- | ----/2.50A | ----/2.50A | ---- | 2.60 UNCH | .0567 | ---- | ---- | ---- | ---- | 49 UNCH |
| 1130 | ---- | ---- | ----/2.70A | ----/2.70A | ---- | 2.80 UNCH | .0611 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1135 | ---- | ---- | ----/2.90A | ----/2.90A | ---- | 3.00 - 0.10 | .0656 | ---- | ---- | ---- | ---- | 29 UNCH |
| 1140 | ---- | ---- | ----/3.20A | ----/3.20A | ---- | 3.20 - 0.10 | .0702 | ---- | ---- | ---- | ---- | 63 UNCH |
| 1145 | ---- | ---- | 3.70B/3.50A | 3.70B/3.50A | ---- | 3.50 - 0.10 | .0763 | ---- | ---- | ---- | ---- | 151 UNCH |
| 1150 | 3.50 | 3.50 | 4.10/3.50 | 4.10/3.50 | ---- | 3.80 UNCH | .0826 | ---- | ---- | 73 | ---- | 1135 + 67 |
| 1155 | ---- | ---- | 4.40B/3.90A | 4.40B/3.90A | ---- | 4.10 - 0.10 | .0890 | ---- | ---- | ---- | ---- | 37 UNCH |
| 1160 | 4.90 | 4.90 | 4.90/4.40A | 4.90/4.40A | ---- | 4.50 UNCH | .0969 | ---- | ---- | 5 | ---- | 8 UNCH |
| 1165 | ---- | ---- | 5.30B/4.80A | 5.30B/4.80A | ---- | 4.90 UNCH | .1049 | ---- | ---- | ---- | ---- | 43 UNCH |
| 1170 | 5.00 | 5.00 | 5.80B/5.00 | 5.80B/5.00 | ---- | 5.40 UNCH | .1144 | ---- | ---- | 1 | ---- | 277 UNCH |
| 1175 | 6.10 | 6.10 | 6.30B/5.70A | 6.30B/5.70A | ---- | 5.90 + 0.10 | .1240 | ---- | ---- | 36 | ---- | 191 + 36 |
| 1180 | 6.50 | 6.50 | 7.00B/6.20A | 7.00B/6.20A | ---- | 6.50 + 0.10 | .1349 | ---- | ---- | 1 | ---- | 170 + 1 |
| 1185 | ---- | ---- | 7.60B/6.80A | 7.60B/6.80A | ---- | 7.10 + 0.10 | .1460 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1190 | ---- | ---- | 8.40B/7.40A | 8.40B/7.40A | ---- | 7.80 + 0.10 | .1584 | ---- | ---- | ---- | ---- | 202 UNCH |
| 1195 | 8.60 | 8.60 | 9.20B/8.10A | 9.20B/8.10A | ---- | 8.50 + 0.10 | .1710 | ---- | ---- | 3 | ---- | 3 UNCH |
| 1200 | 9.10 | 9.10 | 10.10B/8.90A | 10.10B/8.90A | ---- | 9.40 + 0.20 | .1857 | ---- | ---- | 6 | ---- | 1038 - 2 |
| 1205 | ---- | ---- | 11.10B/9.70A | 11.10B/9.70A | ---- | 10.30 + 0.20 | .2006 | ---- | ---- | ---- | ---- | 36 UNCH |
| 1210 | ---- | ---- | 12.20B/10.70A | 12.20B/10.70A | ---- | 11.30 + 0.20 | .2165 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1215 | 12.40 | 12.40 | 13.40B/11.70A | 13.40B/11.70A | ---- | 12.40 + 0.20 | .2335 | ---- | ---- | 11 | ---- | 71 + 9 |
| 1220 | 13.10 | 13.10 | 14.70B/12.80A | 14.70B/12.80A | ---- | 13.60 + 0.30 | .2514 | ---- | ---- | 1 | ---- | 212 UNCH |
| 1225 | ---- | ---- | 16.10B/14.00A | 16.10B/14.00A | ---- | 15.00 + 0.40 | .2707 | ---- | ---- | ---- | ---- | 84 UNCH |
| 1230 | ---- | ---- | 17.60B/15.40A | 17.60B/15.40A | ---- | 16.40 + 0.40 | .2902 | ---- | ---- | ---- | ---- | 258 UNCH |
| 1235 | 18.50 | 18.50 | 19.30B/16.80A | 19.30B/16.80A | ---- | 18.00 + 0.50 | .3108 | ---- | ---- | 2 | ---- | 81 - 2 |
| 1240 | 19.20 | 19.20 | 21.10B/18.40A | 21.10B/18.40A | ---- | 19.60 + 0.40 | .3316 | ---- | ---- | 2 | ---- | 79 + 2 |
| 1245 | 22.30 | 22.30 | #22.90B/20.10A | #22.90B/20.10A | ---- | 21.40 + 0.50 | .3533 | ---- | ---- | 22 | ---- | 61 + 22 |
| 1250 | 25.00 | 25.00 | #25.00/21.90A | #25.00/21.90A | ---- | 23.40 + 0.60 | .3758 | ---- | ---- | 2 | ---- | 1028 + 1 |
| 1255 | ---- | ---- | #27.20B/23.80A | #27.20B/23.80A | ---- | 25.50 + 0.70 | .3985 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1265 | ---- | ---- | #31.90B/28.10A | #31.90B/28.10A | ---- | 30.00 + 0.70 | .4444 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1270 | 30.70 | 30.70 | #34.50B/30.50A | #34.50B/30.50A | ---- | 32.50 + 0.80 | .4675 | ---- | ---- | 19 | ---- | 38 + 18 |
| 1275 | ---- | ---- | #37.20B/33.00A | #37.20B/33.00A | ---- | 35.10 + 0.80 | .4905 | ---- | ---- | 1 | ---- | 16 + 1 |
| 1280 | 36.40 | 36.40 | #40.00B/35.60A | #40.00B/35.60A | ---- | 37.90 + 0.90 | .5132 | ---- | ---- | 6 | ---- | 18 + 6 |
| 1285 | ---- | ---- | #43.00B/38.40A | #43.00B/38.40A | ---- | 40.80 + 1.00 | .5356 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1290 | ---- | ---- | #46.10B/41.30A | #46.10B/41.30A | ---- | 43.90 + 1.10 | .5574 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1300 | ---- | ---- | #52.70B/47.50A | #52.70B/47.50A | ---- | 50.30 + 1.30 | .5995 | ---- | ---- | ---- | ---- | 67 UNCH |
| 1310 | ---- | ---- | #59.70B/54.20A | #59.70B/54.20A | ---- | 57.20 + 1.40 | .6385 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1315 | ---- | ---- | #63.30B/57.70A | #63.30B/57.70A | ---- | 60.80 + 1.50 | .6566 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1325 | ---- | ---- | #70.90B/65.00A | #70.90B/65.00A | ---- | 68.30 + 1.60 | .6914 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1345 | ---- | ---- | #86.90B/80.80A | #86.90B/80.80A | ---- | 84.30 + 1.90 | .7507 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1350 | ---- | ---- | #91.10B/84.80A | #91.10B/84.80A | ---- | 88.40 + 1.90 | .7636 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1355 | ---- | ---- | #95.30B/89.00A | #95.30B/89.00A | ---- | 92.70 + 2.10 | .7753 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1360 | ---- | ---- | #99.60B/93.20A | #99.60B/93.20A | ---- | 96.90 + 2.10 | .7869 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1375 | ---- | ---- | #112.70B/106.00 | #112.70B/106.00A | ---- | 110.00 + 2.30 | .8184 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1380 | ---- | ---- | #117.10B/110.40 | #117.10B/110.40A | ---- | 114.40 + 2.30 | .8273 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1450 | ---- | ---- | #182.10B/175.20 | #182.10B/175.20A | ---- | 179.30 + 3.00 | .9152 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1550 | ---- | ---- | #279.70B/272.30 | #279.70B/272.30A | ---- | 276.50 + 3.50 | .9652 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1600 | ---- | ---- | #329.30B/322.10 | #329.30B/322.10A | ---- | 326.10 + 3.70 | .9754 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 978 | | 6966+ 921 |
| FEB19 | | | | | | | | | | | | |
| 975 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0079 | ---- | ---- | ---- | ---- | 549 UNCH |
| 990 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0099 | ---- | ---- | ---- | ---- | 375 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.60 UNCH | .0118 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 1.10 - 0.10 | .0223 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1065 | ---- | ---- | ---- | ---- | ---- | 1.40 - 0.10 | .0282 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1090 | ---- | ---- | ---- | ---- | ---- | 2.00 - 0.10 | .0404 | ---- | ---- | ---- | ---- | 88 UNCH |
| 1095 | ---- | ---- | ---- | ---- | ---- | 2.10 - 0.10 | .0427 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1100 | ---- | ---- | ----/2.30A | ----/2.30A | ---- | 2.30 - 0.10 | .0464 | ---- | ---- | ---- | ---- | 33 UNCH |
| 1105 | ---- | ---- | ----/2.50A | ----/2.50A | ---- | 2.50 - 0.10 | .0503 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1115 | ---- | ---- | ----/2.80A | ----/2.80A | ---- | 2.90 - 0.10 | .0581 | ---- | ---- | ---- | ---- | 11 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
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| OG PUT | | COMEX GOLD OPTIONS | | | | | | | | | | |
| FEB19 | | | | | | | | | | | | |
| 1120 | ---- | ---- | ----/3.00A | ----/3.00A | ---- | 3.10 - 0.10 | .0622 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1130 | ---- | ---- | 3.80B/3.50A | 3.80B/3.50A | ---- | 3.60 - 0.10 | .0719 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1145 | ---- | ---- | 4.80B/4.50A | 4.80B/4.50A | ---- | 4.60 UNCH | .0904 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1150 | ---- | ---- | 5.20B/4.80A | 5.20B/4.80A | ---- | 4.90 - 0.10 | .0965 | ---- | ---- | ---- | ---- | 294 UNCH |
| 1155 | ---- | ---- | 5.70B/5.20A | 5.70B/5.20A | ---- | 5.40 UNCH | .1050 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1160 | ---- | ---- | 6.20B/5.60A | 6.20B/5.60A | ---- | 5.80 - 0.10 | .1125 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1170 | ---- | ---- | 7.40B/6.60A | 7.40B/6.60A | ---- | 6.90 UNCH | .1312 | ---- | ---- | ---- | ---- | 323 UNCH |
| 1175 | ---- | ---- | 8.00B/7.20A | 8.00B/7.20A | ---- | 7.50 UNCH | .1413 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1180 | 8.10 | 8.10 | 8.80B/7.80A | 8.80B/7.80A | ---- | 8.20 + 0.10 | .1525 | ---- | ---- | 1 | ---- | 43 + 1 |
| 1185 | ---- | ---- | 9.60B/8.50A | 9.60B/8.50A | ---- | 8.90 + 0.10 | .1639 | ---- | ---- | ---- | ---- | 101 UNCH |
| 1190 | 9.50 | 9.50 | 10.40B/9.30A | 10.40B/9.30A | ---- | 9.70 + 0.10 | .1764 | ---- | ---- | 1 | ---- | 108 + 1 |
| 1195 | ---- | ---- | 11.40B/10.10A | 11.40B/10.10A | ---- | 10.60 + 0.20 | .1899 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1200 | 11.50 | 11.50 | 12.40B/11.00A | 12.40B/11.00A | ---- | 11.50 + 0.20 | .2036 | ---- | ---- | 15 | ---- | 1611 - 3 |
| 1205 | ---- | ---- | 13.50B/11.90A | 13.50B/11.90A | ---- | 12.50 + 0.20 | .2182 | ---- | ---- | ---- | 50 | 125 - 25 |
| 1210 | ---- | ---- | 14.70B/13.00A | 14.70B/13.00A | ---- | 13.70 + 0.30 | .2344 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1215 | ---- | ---- | 16.00B/14.10A | 16.00B/14.10A | ---- | 14.90 + 0.30 | .2507 | ---- | ---- | ---- | ---- | 66 UNCH |
| 1220 | ---- | ---- | 17.40B/15.30A | 17.40B/15.30A | ---- | 16.20 + 0.30 | .2678 | ---- | ---- | ---- | ---- | 295 UNCH |
| 1225 | 19.00 | 19.00 | 19.00/16.70A | 19.00/16.70A | ---- | 17.60 + 0.30 | .2856 | ---- | ---- | 2 | ---- | 98 + 1 |
| 1230 | ---- | ---- | 20.50B/18.10A | 20.50B/18.10A | ---- | 19.20 + 0.40 | .3044 | ---- | ---- | ---- | ---- | 470 UNCH |
| 1235 | ---- | ---- | 22.20B/19.70A | 22.20B/19.70A | ---- | 20.80 + 0.40 | .3234 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1240 | ---- | ---- | 24.10B/21.30A | 24.10B/21.30A | ---- | 22.60 + 0.50 | .3432 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1245 | ---- | ---- | 26.00B/23.10A | 26.00B/23.10A | ---- | 24.50 + 0.50 | .3634 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1250 | ---- | ---- | 28.10B/25.00A | 28.10B/25.00A | ---- | 26.50 + 0.50 | .3839 | ---- | ---- | 14 | ---- | 1115 UNCH |
| 1255 | ---- | ---- | #30.30B/27.00A | #30.30B/27.00A | ---- | 28.70 + 0.60 | .4048 | ---- | ---- | ---- | ---- | 213 UNCH |
| 1260 | ---- | ---- | #32.70B/29.20A | #32.70B/29.20A | ---- | 30.90 + 0.60 | .4257 | ---- | ---- | ---- | ---- | 342 UNCH |
| 1265 | ---- | ---- | #35.10B/31.40A | #35.10B/31.40A | ---- | 33.30 + 0.70 | .4468 | ---- | ---- | ---- | ---- | 168 UNCH |
| 1270 | ---- | ---- | #37.70B/33.80A | #37.70B/33.80A | ---- | 35.90 + 0.80 | .4679 | ---- | ---- | ---- | ---- | 125 UNCH |
| 1275 | 38.30 | 38.30 | #40.50B/36.40A | #40.50B/36.40A | ---- | 38.50 + 0.80 | .4888 | ---- | ---- | 5 | ---- | 1367 - 5 |
| 1280 | ---- | ---- | #43.30B/39.00A | #43.30B/39.00A | ---- | 41.30 + 0.90 | .5095 | ---- | ---- | ---- | ---- | 390 UNCH |
| 1290 | ---- | ---- | #49.40B/44.70A | #49.40B/44.70A | ---- | 47.30 + 1.10 | .5498 | ---- | ---- | ---- | ---- | 127 UNCH |
| 1295 | ---- | ---- | #52.50B/47.70A | #52.50B/47.70A | ---- | 50.40 + 1.10 | .5692 | ---- | ---- | ---- | ---- | 72 UNCH |
| 1300 | ---- | ---- | #55.80B/50.90A | #55.80B/50.90A | ---- | 53.60 + 1.10 | .5882 | ---- | ---- | ---- | ---- | 230 UNCH |
| 1305 | ---- | ---- | #59.20B/54.10A | #59.20B/54.10A | ---- | 57.00 + 1.20 | .6065 | ---- | ---- | ---- | ---- | 130 UNCH |
| 1310 | ---- | ---- | #62.70B/57.40A | #62.70B/57.40A | ---- | 60.40 + 1.30 | .6246 | ---- | ---- | ---- | ---- | 72 UNCH |
| 1320 | ---- | ---- | #69.90B/64.40A | #69.90B/64.40A | ---- | 67.60 + 1.50 | .6582 | ---- | ---- | ---- | ---- | 175 UNCH |
| 1325 | ---- | ---- | #73.60B/68.10A | #73.60B/68.10A | ---- | 71.30 + 1.50 | .6738 | ---- | ---- | ---- | ---- | 152 UNCH |
| 1330 | ---- | ---- | #77.50B/71.80A | #77.50B/71.80A | ---- | 75.10 + 1.60 | .6892 | ---- | ---- | ---- | ---- | 199 UNCH |
| 1345 | ---- | ---- | #89.40B/83.30A | #89.40B/83.30A | ---- | 86.90 + 1.80 | .7312 | ---- | ---- | ---- | ---- | 61 UNCH |
| 1350 | ---- | ---- | #93.40B/87.50A | #93.40B/87.50A | ---- | 90.90 + 1.80 | .7439 | ---- | ---- | ---- | ---- | 175 UNCH |
| 1355 | ---- | ---- | #97.60B/91.50A | #97.60B/91.50A | ---- | 95.00 + 1.90 | .7557 | ---- | ---- | ---- | ---- | 550 UNCH |
| 1360 | ---- | ---- | #101.80B/95.60A | #101.80B/95.60A | ---- | 99.20 + 2.00 | .7673 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1365 | ---- | ---- | #106.00B/99.80A | #106.00B/99.80A | ---- | 103.40 + 2.00 | .7787 | ---- | ---- | ---- | ---- | 231 UNCH |
| 1370 | ---- | ---- | #110.30B/104.00 | #110.30B/104.00A | ---- | 107.70 + 2.10 | .7892 | ---- | ---- | ---- | ---- | 202 UNCH |
| 1380 | ---- | ---- | #119.00B/112.50 | #119.00B/112.50A | ---- | 116.40 + 2.30 | .8079 | ---- | ---- | ---- | ---- | 250 UNCH |
| 1385 | ---- | ---- | #123.40B/116.90 | #123.40B/116.90A | ---- | 120.70 + 2.20 | .8170 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1390 | ---- | ---- | #127.80B/121.20 | #127.80B/121.20A | ---- | 125.20 + 2.40 | .8260 | ---- | ---- | ---- | ---- | 500 UNCH |
| 1395 | ---- | ---- | #132.30B/125.60 | #132.30B/125.60A | ---- | 129.60 + 2.40 | .8340 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1400 | ---- | ---- | #136.80B/130.10 | #136.80B/130.10A | ---- | 134.10 + 2.40 | .8409 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1410 | ---- | ---- | #145.90B/139.00 | #145.90B/139.00A | ---- | 143.20 + 2.50 | .8553 | ---- | ---- | ---- | ---- | 425 UNCH |
| 1530 | ---- | ---- | #260.30B/253.10 | #260.30B/253.10A | ---- | 257.40 + 3.40 | .9473 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1540 | ---- | ---- | #270.10B/262.90 | #270.10B/262.90A | ---- | 267.10 + 3.30 | .9510 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1550 | ---- | ---- | #279.90B/272.70 | #279.90B/272.70A | ---- | 276.90 + 3.40 | .9545 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1555 | ---- | ---- | #284.80B/277.60 | #284.80B/277.60A | ---- | 281.80 + 3.40 | .9562 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1560 | ---- | ---- | #289.80B/282.50 | #289.80B/282.50A | ---- | 286.70 + 3.40 | .9580 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1610 | ---- | ---- | #339.30B/332.30 | #339.30B/332.30A | ---- | 336.10 + 3.60 | .9717 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1650 | ---- | ---- | #379.10B/372.00 | #379.10B/372.00A | ---- | 375.90 + 3.70 | .9775 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | 38 | 50 | 12907 - 30 |
| MAR19 | | | | | | | | | | | | |
| 990 | ---- | ---- | ---- | ---- | ---- | 0.70 UNCH | .0126 | ---- | ---- | ---- | ---- | 550 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.80 UNCH | .0144 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1085 | ---- | ---- | ---- | ---- | ---- | 2.10 - 0.10 | .0399 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1090 | ---- | ---- | ---- | ---- | ---- | 2.20 - 0.20 | .0421 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1100 | 2.60 | 2.60 | 2.70B/2.60 | 2.70B/2.60 | ---- | 2.60 - 0.10 | .0492 | ---- | ---- | 11 | ---- | 13 + 11 |
| 1125 | ---- | ---- | 3.90B/3.70A | 3.90B/3.70A | ---- | 3.70 - 0.10 | .0694 | ---- | ---- | ---- | ---- | 33 UNCH |
| 1135 | 4.50 | 4.50 | 4.60B/4.30A | 4.60B/4.30A | ---- | 4.30 NEW | .0801 | ---- | ---- | 20 | ---- | 20 + 20 |
| 1150 | ---- | ---- | 5.80B/5.40A | 5.80B/5.40A | ---- | 5.40 - 0.10 | .0990 | ---- | ---- | ---- | ---- | 111 UNCH |
| 1160 | ---- | ---- | 6.80B/6.30A | 6.80B/6.30A | ---- | 6.40 UNCH | .1151 | ---- | ---- | ---- | ---- | 51 UNCH |
| 1170 | ---- | ---- | 8.10B/7.40A | 8.10B/7.40A | ---- | 7.50 UNCH | .1327 | ---- | ---- | ---- | ---- | 23 UNCH |
| 1175 | 8.00 | 8.00 | #8.80B/8.00 | #8.80B/8.00 | ---- | 8.20 NEW | .1430 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1180 | 8.90 | 8.90 | #9.50B/8.60A | #9.50B/8.60A | ---- | 8.90 + 0.10 | .1535 | ---- | ---- | 1 | ---- | 3 + 1 |
| 1190 | ---- | ---- | #11.20B/10.10A | #11.20B/10.10A | ---- | 10.40 UNCH | .1758 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1195 | ---- | ---- | #12.20B/10.90A | #12.20B/10.90A | ---- | 11.30 + 0.10 | .1883 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1200 | 12.30 | 12.30 | #13.20B/11.80A | #13.20B/11.80A | ---- | 12.30 + 0.10 | .2017 | ---- | ---- | 1 | ---- | 2507 + 1 |
| 1205 | ---- | ---- | #14.30B/12.80A | #14.30B/12.80A | ---- | 13.40 + 0.20 | .2159 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1210 | ---- | ---- | #15.50B/13.80A | #15.50B/13.80A | ---- | 14.50 + 0.20 | .2303 | ---- | ---- | ---- | ---- | 32 UNCH |
| 1215 | ---- | ---- | #16.80B/15.00A | #16.80B/15.00A | ---- | 15.70 + 0.20 | .2453 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1220 | ---- | ---- | #18.20B/16.20A | #18.20B/16.20A | ---- | 17.00 + 0.30 | .2611 | ---- | ---- | ---- | ---- | 127 UNCH |
| 1235 | ---- | ---- | #22.90B/20.50A | #22.90B/20.50A | ---- | 21.50 + 0.30 | .3119 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1240 | ---- | ---- | #24.70B/22.10A | #24.70B/22.10A | ---- | 23.30 + 0.50 | .3302 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1250 | ---- | ---- | #28.60B/25.60A | #28.60B/25.60A | ---- | 27.00 + 0.50 | .3672 | ---- | ---- | ---- | ---- | 1701 UNCH |
| 1255 | ---- | ---- | #30.70B/27.60A | #30.70B/27.60A | ---- | 29.10 + 0.60 | .3863 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1260 | ---- | ---- | #32.90B/29.60A | #32.90B/29.60A | ---- | 31.20 + 0.60 | .4054 | ---- | ---- | ---- | ---- | 32 UNCH |
| 1270 | ---- | ---- | #37.80B/34.10A | #37.80B/34.10A | ---- | 35.90 + 0.70 | .4443 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1285 | ---- | ---- | #45.90B/41.60A | #45.90B/41.60A | ---- | 43.80 + 0.90 | .5023 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1290 | 46.50 | 46.50 | #48.80B/44.40A | #48.80B/44.40A | ---- | 46.70 + 1.00 | .5212 | ---- | ---- | 12 | ---- | 62 + 12 |
| 1295 | ---- | ---- | #51.80B/47.20A | #51.80B/47.20A | ---- | 49.70 + 1.00 | .5398 | ---- | ---- | ---- | ---- | 35 UNCH |
| 1300 | ---- | ---- | #55.00B/50.20A | #55.00B/50.20A | ---- | 52.80 + 1.10 | .5579 | ---- | ---- | ---- | ---- | 550 UNCH |
| 1305 | ---- | ---- | #58.20B/53.30A | #58.20B/53.30A | ---- | 56.00 + 1.20 | .5757 | ---- | ---- | ---- | ---- | 39 UNCH |
| 1310 | ---- | ---- | #61.60B/56.50A | #61.60B/56.50A | ---- | 59.20 + 1.20 | .5928 | ---- | ---- | ---- | ---- | 18 UNCH |
| 1315 | ---- | ---- | #65.10B/59.80A | #65.10B/59.80A | ---- | 62.60 + 1.20 | .6097 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1320 | ---- | ---- | #68.50B/63.20A | #68.50B/63.20A | ---- | 66.10 + 1.30 | .6260 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1345 | ---- | ---- | #87.20B/81.30A | #87.20B/81.30A | ---- | 84.70 + 1.70 | .6985 | ---- | ---- | ---- | ---- | 33 UNCH |
| 1350 | ---- | ---- | #91.10B/85.20A | #91.10B/85.20A | ---- | 88.60 + 1.70 | .7118 | ---- | ---- | ---- | ---- | 103 UNCH |
| 1360 | ---- | ---- | #99.20B/93.20A | #99.20B/93.20A | ---- | 96.70 + 1.90 | .7356 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1370 | ---- | ---- | #107.50B/101.30 | #107.50B/101.30A | ---- | 104.90 + 2.00 | .7579 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1375 | ---- | ---- | #111.70B/105.40 | #111.70B/105.40A | ---- | 109.10 + 2.00 | .7685 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | 46 | | 6624 + 46 |
| APR19 | | | | | | | | | | | | |
| 1050 | ---- | ---- | ---- | ---- | ---- | 1.60 - 0.10 | .0287 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1085 | ---- | ---- | ---- | ---- | ---- | 2.50 - 0.20 | .0450 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1090 | 2.80 | 2.80 | 2.90/2.80 | 2.90/2.80 | ---- | 2.70 NEW | .0484 | ---- | ---- | 17 | ---- | 17 + 17 |
| 1095 | 3.00 | 3.00 | 3.00/3.00 | 3.00/3.00 | ---- | 2.90 NEW | .0519 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1100 | 3.30 | 3.30 | 3.30/3.30 | 3.30/3.30 | ---- | 3.10 - 0.10 | .0554 | ---- | ---- | 19 | ---- | 178 + 17 |
| 1125 | ---- | ---- | 4.70B/4.50A | 4.70B/4.50A | ---- | 4.50 - 0.10 | .0786 | ---- | ---- | ---- | ---- | 770 UNCH |
| 1130 | ---- | ---- | 5.10B/---- | 5.10B/---- | ---- | 4.90 UNCH | .0848 | ---- | ---- | ---- | ---- | 1300 UNCH |
| 1135 | ---- | ---- | 5.50B/---- | 5.50B/---- | ---- | 5.20 - 0.10 | .0900 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1145 | 6.60 | 6.60 | 6.60/6.60 | 6.60/6.60 | ---- | 6.10 UNCH | .1038 | ---- | ---- | 1 | ---- | 2 + 1 |
| 1150 | 6.20 | 6.20 | 7.00B/6.20 | 7.00B/6.20 | ---- | 6.60 UNCH | .1113 | ---- | ---- | 41 | ---- | 570 + 41 |
| 1155 | ---- | ---- | 7.60B/7.00A | 7.60B/7.00A | ---- | 7.10 UNCH | .1189 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1160 | ---- | ---- | 8.20B/7.60A | 8.20B/7.60A | ---- | 7.70 UNCH | .1276 | ---- | ---- | ---- | ---- | 17 UNCH |
| 1165 | ---- | ---- | 8.80B/8.20A | 8.80B/8.20A | ---- | 8.30 UNCH | .1364 | ---- | ---- | ---- | ---- | 743 UNCH |
| 1170 | ---- | ---- | 9.60B/8.80A | 9.60B/8.80A | ---- | 9.00 UNCH | .1461 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1175 | ---- | ---- | 10.30B/9.50A | 10.30B/9.50A | ---- | 9.70 UNCH | .1560 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1180 | ---- | ---- | 11.20B/10.30A | 11.20B/10.30A | ---- | 10.50 UNCH | .1667 | ---- | ---- | ---- | ---- | 1132 UNCH |
| 1185 | ---- | ---- | 12.10B/11.10A | 12.10B/11.10A | ---- | 11.40 + 0.10 | .1784 | ---- | ---- | ---- | ---- | 318 UNCH |
| 1195 | ---- | ---- | 14.10B/12.90A | 14.10B/12.90A | ---- | 13.30 + 0.10 | .2026 | ---- | ---- | ---- | ---- | 53 UNCH |
| 1200 | ---- | ---- | #15.30B/13.90A | #15.30B/13.90A | ---- | 14.40 + 0.10 | .2159 | ---- | ---- | ---- | 50 | 674 + 1 |
| 1205 | ---- | ---- | #16.50B/14.90A | #16.50B/14.90A | ---- | 15.50 + 0.10 | .2292 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1215 | ---- | ---- | #19.10B/17.30A | #19.10B/17.30A | ---- | 18.10 + 0.20 | .2585 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1220 | ---- | ---- | #20.60B/18.70A | #20.60B/18.70A | ---- | 19.50 + 0.30 | .2737 | ---- | ---- | ---- | ---- | 38 UNCH |
| 1225 | ---- | ---- | #22.20B/20.10A | #22.20B/20.10A | ---- | 21.00 + 0.30 | .2894 | ---- | ---- | ---- | ---- | 146 UNCH |
| 1240 | ---- | ---- | #27.40B/24.90A | #27.40B/24.90A | ---- | 26.10 + 0.50 | .3393 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1250 | ---- | ---- | #31.40B/28.60A | #31.40B/28.60A | ---- | 30.00 + 0.60 | .3742 | ---- | ---- | ---- | ---- | 390 UNCH |
| 1260 | ---- | ---- | #35.90B/32.70A | #35.90B/32.70A | ---- | 34.30 + 0.70 | .4098 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1265 | ---- | ---- | #38.30B/34.90A | #38.30B/34.90A | ---- | 36.60 + 0.70 | .4278 | ---- | ---- | ---- | ---- | 700 UNCH |
| 1295 | ---- | ---- | #54.90B/50.40A | #54.90B/50.40A | ---- | 52.90 + 1.10 | .5346 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1300 | ---- | ---- | #58.10B/53.40A | #58.10B/53.40A | ---- | 55.90 + 1.10 | .5515 | ---- | ---- | ---- | ---- | 102 UNCH |
| 1325 | ---- | ---- | #75.00B/69.60A | #75.00B/69.60A | ---- | 72.60 + 1.40 | .6301 | ---- | ---- | ---- | ---- | 21 UNCH |
| 1330 | ---- | ---- | #78.60B/73.10A | #78.60B/73.10A | ---- | 76.10 + 1.30 | .6447 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1350 | ---- | ---- | #93.50B/87.80A | #93.50B/87.80A | ---- | 91.20 + 1.60 | .6973 | ---- | ---- | ---- | ---- | 225 UNCH |
| 1360 | ---- | ---- | #101.40B/95.60A | #101.40B/95.60A | ---- | 99.10 + 1.80 | .7208 | ---- | ---- | ---- | ---- | 270 UNCH |
| 1365 | ---- | ---- | #105.50B/99.70A | #105.50B/99.70A | ---- | 103.10 + 1.80 | .7323 | ---- | ---- | ---- | ---- | 325 UNCH |
| 1370 | ---- | ---- | #109.60B/103.70 | #109.60B/103.70A | ---- | 107.20 + 1.90 | .7425 | ---- | ---- | ---- | ---- | 31 UNCH |
| 1375 | ---- | ---- | #113.80B/107.80 | #113.80B/107.80A | ---- | 111.30 + 1.90 | .7532 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1380 | ---- | ---- | #118.00B/111.90 | #118.00B/111.90A | ---- | 115.40 + 1.90 | .7631 | ---- | ---- | ---- | ---- | 16 UNCH |
| 1385 | ---- | ---- | #122.20B/116.00 | #122.20B/116.00A | ---- | 119.60 + 2.00 | .7722 | ---- | ---- | ---- | ---- | 900 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG PUT | | COMEX GOLD OPTIONS | | | | | | | | | | |
| APR19 | | | | | | | | | | | | |
| 1390 | ---- | ---- | #126.50B/120.20 | #126.50B/120.20A | ---- | 123.90 + 2.10 | .7812 | ---- | ---- | ---- | ---- | 265 UNCH |
| TOTAL | | | | | | | | | | 88 | 50 | 9627 + 87 |
| MAY19 | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.10 | .0168 | ---- | ---- | ---- | ---- | 60 UNCH |
| 1100 | ---- | ---- | 3.60B/---- | 3.60B/---- | ---- | 3.50 UNCH | .0585 | ---- | ---- | ---- | ---- | 41 UNCH |
| 1115 | ---- | ---- | 4.50B/---- | 4.50B/---- | ---- | 4.30 - 0.10 | .0711 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1125 | ---- | ---- | 5.20B/---- | 5.20B/---- | ---- | 5.10 + 0.10 | .0826 | ---- | ---- | ---- | ---- | 42 UNCH |
| 1130 | ---- | ---- | 5.70B/---- | 5.70B/---- | ---- | 5.40 UNCH | .0874 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1135 | ---- | ---- | 6.10B/---- | 6.10B/---- | ---- | 5.90 + 0.10 | .0943 | ---- | ---- | ---- | ---- | 48 UNCH |
| 1140 | ---- | ---- | 6.60B/6.20A | 6.60B/6.20A | ---- | 6.30 UNCH | .1003 | ---- | ---- | ---- | ---- | 107 UNCH |
| 1150 | ---- | ---- | 7.60B/7.20A | 7.60B/7.20A | ---- | 7.30 UNCH | .1144 | ---- | ---- | ---- | ---- | 71 UNCH |
| 1155 | ---- | ---- | 8.20B/7.70A | 8.20B/7.70A | ---- | 7.90 + 0.10 | .1224 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1165 | ---- | ---- | 9.60B/8.90A | 9.60B/8.90A | ---- | 9.10 + 0.10 | .1387 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1170 | ---- | ---- | 10.30B/9.50A | 10.30B/9.50A | ---- | 9.80 + 0.10 | .1478 | ---- | ---- | ---- | ---- | 103 UNCH |
| 1180 | ---- | ---- | 12.00B/11.00A | 12.00B/11.00A | ---- | 11.40 + 0.10 | .1678 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1185 | ---- | ---- | 12.90B/11.90A | 12.90B/11.90A | ---- | 12.20 + 0.10 | .1780 | ---- | ---- | ---- | ---- | 37 UNCH |
| 1200 | ---- | ---- | #16.10B/14.70A | #16.10B/14.70A | ---- | 15.20 + 0.10 | .2130 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1225 | ---- | ---- | #22.80B/20.90A | #22.80B/20.90A | ---- | 21.70 + 0.30 | .2812 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1240 | ---- | ---- | #28.00B/25.60A | #28.00B/25.60A | ---- | 26.60 + 0.40 | .3270 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1270 | ---- | ---- | #40.80B/37.50A | #40.80B/37.50A | ---- | 39.10 + 0.70 | .4260 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1275 | ---- | ---- | #43.30B/39.80A | #43.30B/39.80A | ---- | 41.50 + 0.70 | .4428 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1320 | ---- | ---- | #70.00B/65.20A | #70.00B/65.20A | ---- | 67.80 + 1.30 | .5877 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1325 | ---- | ---- | #73.40B/68.50A | #73.40B/68.50A | ---- | 71.10 + 1.30 | .6024 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1340 | ---- | ---- | #84.10B/78.80A | #84.10B/78.80A | ---- | 81.70 + 1.50 | .6435 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1345 | ---- | ---- | #87.80B/82.40A | #87.80B/82.40A | ---- | 85.30 + 1.50 | .6565 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1360 | ---- | ---- | #98.90B/93.60A | #98.90B/93.60A | ---- | 96.70 + 1.70 | .6930 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1370 | ---- | ---- | #106.90B/101.30 | #106.90B/101.30A | ---- | 104.60 + 1.80 | .7151 | ---- | ---- | ---- | ---- | 375 UNCH |
| 1375 | ---- | ---- | #110.80B/105.20 | #110.80B/105.20A | ---- | 108.60 + 1.90 | .7254 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1390 | ---- | ---- | #123.20B/117.50 | #123.20B/117.50A | ---- | 120.90 + 2.00 | .7542 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1400 | ---- | ---- | #131.70B/125.70 | #131.70B/125.70A | ---- | 129.30 + 2.10 | .7719 | ---- | ---- | ---- | ---- | 206 UNCH |
| 1430 | ---- | ---- | #157.80B/151.40 | #157.80B/151.40A | ---- | 155.30 + 2.40 | .8170 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1465 | ---- | ---- | #189.40B/182.70 | #189.40B/182.70A | ---- | 186.80 + 2.70 | .8578 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1500 | ---- | ---- | #221.90B/214.90 | #221.90B/214.90A | ---- | 219.30 + 3.00 | .8883 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1515 | ---- | ---- | #236.10B/229.90 | #236.10B/229.90A | ---- | 233.40 + 3.10 | .8991 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1520 | ---- | ---- | #240.80B/234.60 | #240.80B/234.60A | ---- | 238.10 + 3.10 | .9029 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1535 | ---- | ---- | #255.10B/248.80 | #255.10B/248.80A | ---- | 252.40 + 3.20 | .9115 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1540 | ---- | ---- | #259.90B/253.60 | #259.90B/253.60A | ---- | 257.20 + 3.20 | .9152 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1670 | ---- | ---- | #386.90B/380.10 | #386.90B/380.10A | ---- | 383.90 + 3.70 | .9615 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1875 | ---- | ---- | #591.60B/---- | #591.60B/---- | ---- | 588.50 + 3.90 | .9860 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1500 0 |
| JUN19 | | | | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | ---- | 0.50 - 0.10 | .0073 | ---- | ---- | ---- | ---- | 633 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.80 UNCH | .0122 | ---- | ---- | ---- | ---- | 1150 UNCH |
| 975 | ---- | ---- | ---- | ---- | ---- | 1.00 UNCH | .0155 | ---- | ---- | ---- | ---- | 1500 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 1.30 + 0.10 | .0204 | ---- | ---- | ---- | ---- | 763 UNCH |
| 1015 | ---- | ---- | ---- | ---- | ---- | 1.50 + 0.10 | .0238 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 2.30 + 0.10 | .0364 | ---- | ---- | ---- | ---- | 1151 UNCH |
| 1060 | ---- | ---- | 2.50B/---- | 2.50B/---- | ---- | 2.60 + 0.20 | .0411 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1075 | ---- | ---- | 3.10B/---- | 3.10B/---- | ---- | 3.10 + 0.20 | .0489 | ---- | ---- | ---- | ---- | 185 UNCH |
| 1080 | ---- | ---- | 3.30B/---- | 3.30B/---- | ---- | 3.30 + 0.20 | .0520 | ---- | ---- | ---- | ---- | 400 UNCH |
| 1100 | ---- | ---- | 4.30B/---- | 4.30B/---- | ---- | 4.20 + 0.10 | .0659 | ---- | ---- | ---- | ---- | 3027 UNCH |
| 1110 | ---- | ---- | 5.00B/---- | 5.00B/---- | ---- | 4.80 + 0.10 | .0747 | ---- | ---- | ---- | ---- | 790 UNCH |
| 1120 | ---- | ---- | 5.80B/---- | 5.80B/---- | ---- | 5.50 + 0.10 | .0847 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1125 | 5.90 | 5.90 | 6.20B/5.90 | 6.20B/5.90 | ---- | 5.90 + 0.10 | .0903 | ---- | ---- | 100 | ---- | 2038 + 100 |
| 1130 | ---- | ---- | 6.70B/---- | 6.70B/---- | ---- | 6.30 + 0.10 | .0959 | ---- | ---- | ---- | 560 | 660 + 557 |
| 1135 | ---- | ---- | 7.20B/---- | 7.20B/---- | ---- | 6.80 + 0.10 | .1025 | ---- | ---- | ---- | ---- | 23 UNCH |
| 1140 | ---- | ---- | 7.70B/---- | 7.70B/---- | ---- | 7.30 + 0.10 | .1092 | ---- | ---- | ---- | ---- | 4260 UNCH |
| 1145 | ---- | ---- | 8.30B/---- | 8.30B/---- | ---- | 7.90 + 0.10 | .1168 | ---- | ---- | ---- | ---- | 108 UNCH |
| 1150 | ---- | ---- | 9.00B/---- | 9.00B/---- | ---- | 8.50 + 0.10 | .1245 | ---- | ---- | ---- | ---- | 2644 UNCH |
| 1155 | ---- | ---- | 9.60B/---- | 9.60B/---- | ---- | 9.10 + 0.10 | .1322 | ---- | ---- | ---- | ---- | 1050 UNCH |
| 1160 | ---- | ---- | 10.40B/---- | 10.40B/---- | ---- | 9.90 + 0.20 | .1415 | ---- | ---- | ---- | ---- | 3346 UNCH |
| 1165 | ---- | ---- | 11.10B/---- | 11.10B/---- | ---- | 10.60 + 0.20 | .1502 | ---- | ---- | ---- | ---- | 1150 UNCH |
| 1170 | ---- | ---- | 12.00B/11.10A | 12.00B/11.10A | ---- | 11.40 + 0.20 | .1596 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1175 | ---- | ---- | 12.90B/11.90A | 12.90B/11.90A | ---- | 12.20 + 0.10 | .1691 | ---- | ---- | ---- | ---- | 1720 UNCH |
| 1180 | ---- | ---- | 13.80B/12.80A | 13.80B/12.80A | ---- | 13.10 + 0.10 | .1793 | ---- | ---- | ---- | ---- | 846 UNCH |
| 1185 | ---- | ---- | 14.80B/13.70A | 14.80B/13.70A | ---- | 14.10 + 0.20 | .1903 | ---- | ---- | ---- | ---- | 308 UNCH |
| 1200 | ---- | ---- | 18.20B/16.80A | 18.20B/16.80A | ---- | 17.40 + 0.20 | .2251 | ---- | ---- | ---- | ---- | 1013 UNCH |
| 1205 | ---- | ---- | 19.50B/18.00A | 19.50B/18.00A | ---- | 18.60 + 0.20 | .2374 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1220 | ---- | ---- | 23.80B/21.90A | 23.80B/21.90A | ---- | 22.70 + 0.20 | .2770 | ---- | ---- | ---- | ---- | 57 UNCH |
| 1230 | 26.00 | 26.00 | #27.10B/25.00A | #27.10B/25.00A | ---- | 25.80 + 0.20 | .3051 | ---- | ---- | 20 | ---- | 270 + 20 |
| 1250 | ---- | ---- | #34.70B/32.00A | #34.70B/32.00A | ---- | 33.20 + 0.40 | .3653 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1270 | ---- | ---- | #43.70B/40.50A | #43.70B/40.50A | ---- | 42.10 + 0.60 | .4282 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1280 | ---- | ---- | #48.80B/45.30A | #48.80B/45.30A | ---- | 47.10 + 0.80 | .4599 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1290 | ---- | ---- | #54.30B/50.50A | #54.30B/50.50A | ---- | 52.40 + 0.80 | .4913 | ---- | ---- | ---- | 200 | 416 + 150 |
| 1300 | ---- | ---- | #60.10B/56.10A | #60.10B/56.10A | ---- | 58.20 + 1.00 | .5220 | ---- | ---- | ---- | ---- | 1977 UNCH |
| 1310 | ---- | ---- | #66.30B/62.00A | #66.30B/62.00A | ---- | 64.30 + 1.10 | .5516 | ---- | ---- | ---- | ---- | 600 UNCH |
| 1325 | ---- | ---- | #76.10B/71.50A | #76.10B/71.50A | ---- | 74.10 + 1.20 | .5939 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1335 | ---- | ---- | #83.10B/78.30A | #83.10B/78.30A | ---- | 81.00 + 1.30 | .6205 | ---- | ---- | ---- | ---- | 345 UNCH |
| 1340 | ---- | ---- | #86.70B/81.80A | #86.70B/81.80A | ---- | 84.60 + 1.40 | .6333 | ---- | ---- | ---- | ---- | 445 UNCH |
| 1350 | ---- | ---- | #94.00B/88.90A | #94.00B/88.90A | ---- | 91.80 + 1.50 | .6578 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1355 | ---- | ---- | #97.70B/92.60A | #97.70B/92.60A | ---- | 95.60 + 1.60 | .6695 | ---- | ---- | ---- | ---- | 300 UNCH |
| 1360 | ---- | ---- | #101.50B/96.30A | #101.50B/96.30A | ---- | 99.40 + 1.60 | .6806 | ---- | ---- | ---- | ---- | 564 UNCH |
| 1365 | ---- | ---- | #105.40B/100.10 | #105.40B/100.10A | ---- | 103.20 + 1.60 | .6916 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1370 | ---- | ---- | #109.30B/103.90 | #109.30B/103.90A | ---- | 107.10 + 1.70 | .7019 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1375 | ---- | ---- | #113.30B/107.80 | #113.30B/107.80A | ---- | 111.10 + 1.80 | .7122 | ---- | ---- | ---- | ---- | 125 UNCH |
| 1385 | ---- | ---- | #121.40B/115.90 | #121.40B/115.90A | ---- | 119.10 + 1.80 | .7319 | ---- | ---- | ---- | ---- | 95 UNCH |
| 1400 | ---- | ---- | #133.80B/128.10 | #133.80B/128.10A | ---- | 131.50 + 2.00 | .7582 | ---- | ---- | ---- | ---- | 600 UNCH |
| 1415 | ---- | ---- | #146.60B/140.60 | #146.60B/140.60A | ---- | 144.20 + 2.10 | .7818 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1425 | ---- | ---- | #155.30B/149.10 | #155.30B/149.10A | ---- | 152.80 + 2.20 | .7965 | ---- | ---- | ---- | ---- | 125 UNCH |
| TOTAL | | | | | | | | | | 120 | 760 | 35357 + 827 |
| JUL19 | | | | | | | | | | | | |
| 1050 | ---- | ---- | ---- | ---- | ---- | 2.80 + 0.10 | .0409 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 5.20 + 0.10 | .0736 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1110 | ---- | ---- | ---- | ---- | ---- | 5.80 + 0.10 | .0819 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 9.70 + 0.20 | .1301 | ---- | ---- | ---- | ---- | 101 UNCH |
| TOTAL | | | | | | | | | | | | 308 0 |
| AUG19 | | | | | | | | | | | | |
| 1150 | ---- | ---- | ---- | ---- | ---- | 10.50 UNCH | .1357 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1200 | ---- | ---- | ---- | ---- | ---- | 19.90 + 0.30 | .2300 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 48 0 |
| SEP19 | | | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | ---- | 6.00 + 0.10 | .0786 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 11.20 + 0.20 | .1366 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1200 | ---- | ---- | ---- | ---- | ---- | 20.60 + 0.30 | .2260 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 52 0 |
| DEC19 | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0008 | ---- | ---- | ---- | ---- | 130 UNCH |
| 850 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0029 | ---- | ---- | ---- | ---- | 253 UNCH |
| 900 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0059 | ---- | ---- | ---- | ---- | 450 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 0.90 - 0.10 | .0127 | ---- | ---- | ---- | ---- | 113 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 1.90 - 0.10 | .0255 | ---- | ---- | ---- | ---- | 347 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 3.90 - 0.10 | .0491 | ---- | ---- | ---- | 100 | 7343 UNCH |
| 1065 | ---- | ---- | ---- | ---- | ---- | 4.90 + 0.10 | .0599 | ---- | ---- | ---- | 200 | 1107 UNCH |
| 1075 | 5.60 | 5.60 | 5.60/5.60 | 5.60/5.60 | ---- | 5.70 + 0.20 | .0682 | ---- | ---- | 75 | ---- | 1517 + 75 |
| 1085 | ---- | ---- | ---- | ---- | ---- | 6.60 + 0.30 | .0773 | ---- | ---- | ---- | ---- | 556 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 8.10 + 0.50 | .0921 | ---- | ---- | ---- | 100 | 1518 - 58 |
| 1125 | ---- | ---- | ---- | ---- | ---- | 11.30 + 0.90 | .1215 | ---- | ---- | ---- | ---- | 1775 UNCH |
| 1130 | ---- | ---- | ---- | ---- | ---- | 12.00 + 1.00 | .1278 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1140 | ---- | ---- | ---- | ---- | ---- | 13.60 + 1.20 | .1416 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 15.30 + 1.30 | .1560 | ---- | ---- | ---- | ---- | 2956 UNCH |
| 1180 | ---- | ---- | ---- | ---- | ---- | 21.30 + 1.60 | .2041 | ---- | ---- | ---- | ---- | 144 UNCH |
| 1200 | ---- | ---- | ---- | ---- | ---- | 26.20 + 1.80 | .2404 | ---- | ---- | ---- | ---- | 1270 UNCH |
| 1250 | ---- | ---- | ---- | ---- | ---- | 42.10 + 2.00 | .3444 | ---- | ---- | ---- | ---- | 1255 UNCH |
| 1260 | ---- | ---- | ---- | ---- | ---- | 46.00 + 2.00 | .3670 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1275 | ---- | ---- | ---- | ---- | ---- | 52.30 + 2.00 | .4017 | ---- | ---- | ---- | ---- | 250 UNCH |
| 1300 | ---- | ---- | ---- | ---- | ---- | 64.00 + 2.00 | .4608 | ---- | ---- | ---- | ---- | 731 UNCH |
| 1310 | ---- | ---- | ---- | ---- | ---- | 69.20 + 2.00 | .4845 | ---- | ---- | ---- | ---- | 475 UNCH |
| 1325 | ---- | ---- | ---- | ---- | ---- | 77.50 + 2.10 | .5195 | ---- | ---- | ---- | ---- | 1260 UNCH |
| 1340 | ---- | ---- | ---- | ---- | ---- | 86.30 + 2.20 | .5535 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1350 | ---- | ---- | ---- | ---- | ---- | 92.50 + 2.20 | .5755 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1360 | ---- | ---- | ---- | ---- | ---- | 98.90 + 2.30 | .5971 | ---- | ---- | ---- | ---- | 225 UNCH |
| 1375 | ---- | ---- | ---- | ---- | ---- | 109.00 + 2.40 | .6279 | ---- | ---- | ---- | ---- | 150 UNCH |

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# METALS OPTIONS PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



OG PUT — COMEX GOLD OPTIONS

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC19 | | | | | | | | | | | | |
| 1380 | ---- | ---- | ---- | ---- | ---- | 112.40 + 2.40 | .6377 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1385 | ---- | ---- | ---- | ---- | ---- | 116.00 + 2.50 | .6475 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 126.80 + 2.50 | .6753 | ---- | ---- | ---- | ---- | 275 UNCH |
| 1410 | ---- | ---- | ---- | ---- | ---- | 134.30 + 2.60 | .6931 | ---- | ---- | ---- | ---- | 160 UNCH |
| 1420 | ---- | ---- | ---- | ---- | ---- | 142.00 + 2.80 | .7096 | ---- | ---- | ---- | ---- | 235 UNCH |
| 1425 | ---- | ---- | ---- | ---- | ---- | 145.90 + 2.80 | .7176 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | 75 | 400 | 24804 + 17 |
| JUN20 | | | | | | | | | | | | |
| 1230 | ---- | ---- | ---- | ---- | ---- | 43.90 + 1.10 | .2943 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1320 | ---- | ---- | ---- | ---- | ---- | 81.60 + 1.70 | .4574 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 130.40 + 2.20 | .5961 | ---- | ---- | ---- | ---- | 32 UNCH |
| TOTAL | | | | | | | | | | | | 116 0 |
| DEC20 | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | ---- | ---- | 4.00 + 0.10 | .0248 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 11.50 + 0.30 | .0766 | ---- | ---- | ---- | ---- | 205 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 15.70 + 0.50 | .1035 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 30.50 + 0.70 | .1876 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 356 0 |
| JUN21 | | | | | | | | | | | | |
| 1325 | ---- | ---- | ---- | ---- | ---- | 94.40 + 1.60 | .4017 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1450 | ---- | ---- | ---- | ---- | ---- | 165.60 + 2.40 | .5655 | ---- | ---- | ---- | ---- | 510 UNCH |
| TOTAL | | | | | | | | | | | | 535 0 |

OG CALL — COMEX GOLD OPTIONS

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL18 | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | ---- | 260.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 160.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1145 | ---- | ---- | ---- | ---- | ---- | 115.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1170 | ---- | ---- | ---- | ---- | ---- | 90.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1175 | ---- | ---- | ---- | ---- | ---- | 85.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1180 | ---- | ---- | ---- | ---- | ---- | 80.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1185 | ---- | ---- | ---- | ---- | ---- | 75.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1195 | ---- | ---- | ---- | ---- | ---- | 65.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1200 | ---- | ---- | ---- | ---- | ---- | 60.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1205 | ---- | ---- | ---- | ---- | ---- | 55.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1210 | ---- | ---- | ---- | ---- | ---- | 50.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1215 | ---- | ---- | ---- | ---- | ---- | 45.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1220 | ---- | ---- | ---- | ---- | ---- | 40.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1225 | ---- | ---- | ---- | ---- | ---- | 35.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1230 | ---- | ---- | ---- | ---- | ---- | 30.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1235 | ---- | ---- | ---- | ---- | ---- | 25.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1240 | ---- | ---- | ---- | ---- | ---- | 20.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1245 | ---- | ---- | ---- | ---- | ---- | 15.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1250 | ---- | ---- | ---- | ---- | ---- | 10.00 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1255 | ---- | ---- | ---- | ---- | ---- | 4.90 UNCH | 1.0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1260 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1265 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1270 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1275 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1280 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1285 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1290 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 0 |
| AUG18 | | | | | | | | | | | | |
| 700 | ---- | ---- | ---- | ---- | ---- | 556.10 - 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 206.10 - 3.80 | .9999 | ---- | ---- | ---- | ---- | 132 UNCH |
| 1100 | ---- | ---- | ----/*154.40A | ----/*154.40A | ---- | 156.10 - 3.80 | .9974 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1130 | ---- | ---- | 130.60B/*122.90 | 130.60B/*122.90A | ---- | 126.20 - 3.80 | .9909 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1140 | ---- | ---- | 121.50B/*112.90 | 121.50B/*112.90A | ---- | 116.30 - 3.70 | .9865 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1145 | ---- | ---- | 116.50B/*108.00 | 116.50B/*108.00A | ---- | 111.30 - 3.80 | .9860 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1150 | ---- | ---- | 111.60B/*103.00 | 111.60B/*103.00A | ---- | 106.30 - 3.80 | .9854 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1185 | ---- | ---- | 77.10B/*68.60A | 77.10B/*68.60A | ---- | 71.90 - 3.60 | .9582 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1200 | 62.30 | 62.30 | 62.60B/*54.20A | 62.60B/*54.20A | ---- | 57.30 NEW | .9308 | ---- | ---- | 17 | ---- | 12 + 12 |
| 1215 | 47.40 | 47.40 | 48.50B/*40.50A | 48.50B/*40.50A | ---- | 43.30 NEW | .8823 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1220 | ---- | ---- | 43.90B/*36.10A | 43.90B/*36.10A | ---- | 38.80 - 3.50 | .8545 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1225 | 33.10 | 33.10 | 39.40B/*31.90A | 39.40B/*31.90A | ---- | 34.50 NEW | .8253 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1230 | 34.10 | 34.10 | 35.00B/*27.90A | 35.00B/*27.90A | ---- | 30.30 - 3.30 | .7892 | ---- | ---- | 3 | ---- | 0 - 1 |
| 1235 | 29.90 | 29.90 | 30.80B/*24.00A | 30.80B/*24.00A | ---- | 26.30 NEW | .7467 | ---- | ---- | 3 | ---- | 3 + 3 |
| 1240 | 23.80 | 23.80 | 26.90B/*20.50A | 26.90B/*20.50A | ---- | 22.60 - 3.00 | .6969 | ---- | ---- | 3 | ---- | 9 + 2 |
| 1245 | 19.60 | 19.60 | 23.20B/*17.20A | 23.20B/*17.20A | ---- | 19.10 - 3.00 | .6423 | ---- | ---- | 10 | ---- | 13 + 9 |
| 1250 | 17.00 | 17.00 | 19.60B/*14.40A | 19.60B/*14.40A | ---- | 16.00 - 2.80 | .5820 | ---- | ---- | 79 | ---- | 737 + 54 |
| 1255 | 14.50 | 14.50 | 16.60B/*11.80A | 16.60B/*11.80A | ---- | 13.20 - 2.60 | .5190 | ---- | ---- | 62 | ---- | 180 + 17 |
| 1260 | 13.40 | 13.40 | 13.80B/*9.70A | 13.80B/*9.70A | ---- | 10.80 - 2.40 | .4551 | ---- | ---- | 715 | ---- | 789 + 313 |
| 1265 | 11.20 | 11.20 | 11.40B/*7.90A | 11.40B/*7.90A | ---- | 8.80 - 2.10 | .3933 | ---- | ---- | 457 | ---- | 1693 - 21 |
| 1270 | 8.00 | 8.00 | 9.40B/*6.40A | 9.40B/*6.40A | ---- | 7.10 - 1.80 | .3352 | ---- | ---- | 594 | ---- | 1674 + 265 |
| 1275 | 7.40 | 7.40 | 7.60B/*5.20A | 7.60B/*5.20A | ---- | 5.80 - 1.50 | .2841 | ---- | ---- | 336 | ---- | 1720 + 137 |
| 1280 | 5.30 | 5.30 | 6.20B/*4.20A | 6.20B/*4.20A | ---- | 4.70 - 1.30 | .2385 | ---- | ---- | 317 | ---- | 1011 + 158 |
| 1285 | 4.50 | 4.50 | 5.10B/*3.40A | 5.10B/*3.40A | ---- | 3.80 - 1.10 | .1988 | ---- | ---- | 233 | ---- | 862 + 107 |
| 1290 | 3.80 | 3.80 | 4.10B/*2.70 | 4.10B/*2.70 | ---- | 3.10 - 0.90 | .1657 | ---- | ---- | 790 | ---- | 1231 + 401 |
| 1295 | 3.40 | 3.40 | 3.40/*2.20 | 3.40/*2.20 | ---- | 2.50 - 0.70 | .1368 | ---- | ---- | 682 | ---- | 1539 + 291 |
| 1300 | 2.80 | 2.80 | 2.90/*1.80 | 2.90/*1.80 | ---- | 2.10 - 0.60 | .1154 | ---- | ---- | 1457 | ---- | 5245 + 626 |
| 1305 | 1.70 | 1.70 | 2.30B/*1.60 | 2.30B/*1.60 | ---- | 1.70 - 0.50 | .0950 | ---- | ---- | 10 | 50 | 2084 + 52 |
| 1310 | 1.60 | 1.60 | 1.90B/*1.30 | 1.90B/*1.30 | ---- | 1.40 - 0.40 | .0789 | ---- | ---- | 303 | ---- | 3319 + 177 |
| 1315 | 1.40 | 1.40 | 1.60B/*1.00 | 1.60B/*1.00 | ---- | 1.20 - 0.30 | .0673 | ---- | ---- | 11 | ---- | 1549 - 2 |
| 1320 | 0.90 | 0.90 | 1.10/*0.90 | 1.10/*0.90 | ---- | 1.00 - 0.30 | .0563 | ---- | ---- | 138 | ---- | 4803 + 106 |
| 1325 | 1.10 | 1.10 | 1.10/*0.80 | 1.10/*0.80 | ---- | 0.80 - 0.30 | .0457 | ---- | ---- | 320 | ---- | 2870 + 65 |
| 1330 | 1.00 | 1.00 | 1.00/*0.50 | 1.00/*0.50 | ---- | 0.70 - 0.20 | .0395 | ---- | ---- | 371 | ---- | 3137 - 65 |
| 1335 | 0.70 | 0.70 | 0.70/*0.60 | 0.70/*0.60 | ---- | 0.60 - 0.20 | .0337 | ---- | ---- | 19 | ---- | 3030 - 17 |
| 1340 | 0.60 | 0.60 | 0.70B/*0.50 | 0.70B/*0.50 | ---- | 0.50 - 0.20 | .0282 | ---- | ---- | 305 | ---- | 3429 + 78 |
| 1345 | 0.60 | 0.60 | 0.60/*0.40 | 0.60/*0.40 | ---- | 0.50 - 0.10 | .0270 | ---- | ---- | 338 | ---- | 3998 + 275 |
| 1350 | 0.50 | 0.50 | 0.50/*0.30 | 0.50/*0.30 | ---- | 0.40 - 0.10 | .0219 | ---- | ---- | 692 | ---- | 5806 - 373 |
| 1355 | 0.40 | 0.40 | 0.40/*0.40 | 0.40/*0.40 | ---- | 0.40 UNCH | .0211 | ---- | ---- | 2 | ---- | 1104 UNCH |
| 1360 | 0.40 | 0.40 | 0.40/0.30 | 0.40/0.30 | ---- | 0.30 - 0.10 | .0162 | ---- | ---- | 258 | ---- | 3649 - 26 |
| 1365 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.30 UNCH | .0157 | ---- | ---- | 12 | ---- | 2193 - 1 |
| 1370 | 0.30 | 0.30 | 0.30/0.30 | 0.30/0.30 | ---- | 0.30 UNCH | .0152 | ---- | ---- | 303 | ---- | 2419 + 164 |
| 1375 | 0.30 | 0.30 | 0.30/0.20 | 0.30/0.20 | ---- | 0.20 - 0.10 | .0106 | ---- | ---- | 256 | ---- | 2614 + 124 |
| 1380 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0103 | ---- | ---- | 33 | ---- | 1819 + 20 |
| 1385 | 0.20 | 0.20 | 0.20/0.20 | 0.20/0.20 | ---- | 0.20 UNCH | .0100 | ---- | ---- | 50 | ---- | 806 - 41 |
| 1390 | 0.20 | 0.20 | 0.20/0.20 | 0.20/0.20 | ---- | 0.20 UNCH | .0097 | ---- | ---- | 19 | ---- | 2814 - 14 |
| 1395 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0094 | ---- | ---- | ---- | ---- | 759 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 0.20 + 0.10 | .0092 | ---- | ---- | 72 | ---- | 3146 - 66 |
| 1405 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0050 | ---- | ---- | ---- | ---- | 733 UNCH |
| 1410 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.10 UNCH | .0039 | ---- | ---- | 21 | ---- | 682 - 1 |
| 1415 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.10 UNCH | .0031 | ---- | ---- | 20 | ---- | 1709 + 15 |
| 1420 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0024 | ---- | ---- | ---- | ---- | 3395 UNCH |
| 1425 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0018 | ---- | ---- | ---- | ---- | 4076 UNCH |
| 1430 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 UNCH | .0014 | ---- | ---- | 30 | ---- | 514 UNCH |
| 1435 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0011 | ---- | ---- | ---- | ---- | 388 UNCH |
| 1440 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 UNCH | .0008 | ---- | ---- | 110 | ---- | 2084 + 100 |
| 1445 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0006 | ---- | ---- | ---- | ---- | 392 UNCH |
| 1450 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0004 | ---- | ---- | 1 | ---- | 3168 - 1 |
| 1455 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0003 | ---- | ---- | ---- | ---- | 92 UNCH |
| 1460 | 0.10 | 0.10 | 0.10/0.10 | 0.10/0.10 | ---- | 0.10 UNCH | .0002 | ---- | ---- | 1 | ---- | 92 + 1 |
| 1465 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0002 | ---- | ---- | ---- | ---- | 181 UNCH |
| 1470 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 2327 UNCH |
| 1475 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 769 UNCH |
| 1480 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 937 UNCH |
| 1485 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1490 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 354 UNCH |
| 1495 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 366 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 4719 UNCH |
| 1505 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 650 UNCH |
| 1510 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 241 UNCH |
| 1515 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 143 UNCH |
| 1520 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 1562 UNCH |
| 1525 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 349 UNCH |
| 1530 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 148 UNCH |
| 1535 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 191 UNCH |
| 1540 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 56 UNCH |

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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 1545 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 42 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 2978 UNCH |
| 1555 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 168 UNCH |
| 1560 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 62 UNCH |
| 1565 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 163 UNCH |
| 1570 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 61 UNCH |
| 1575 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 84 UNCH |
| 1580 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 324 UNCH |
| 1590 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 196 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 2618 UNCH |
| 1610 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 213 UNCH |
| 1620 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 341 UNCH |
| 1625 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 118 UNCH |
| 1630 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 109 UNCH |
| 1640 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 806 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 1678 UNCH |
| 1660 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 53 UNCH |
| 1670 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 194 UNCH |
| 1675 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 403 UNCH |
| 1680 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 178 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 586 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 380 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 433 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 37 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 2116 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 115 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 217 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 460 UNCH |
| TOTAL | | | | | | | | | | 9455 | 50 | 117827 + 2945 |
| SEP18 | | | | | | | | | | | | |
| 700 | ---- | ---- | ---- | ---- | ---- | 561.90 - 3.70 | 1.0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1025 | ---- | ---- | ---- | ---- | ---- | 236.90 - 3.70 | .9985 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 211.90 - 3.70 | .9939 | ---- | ---- | ---- | ---- | 88 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 162.00 - 3.70 | .9866 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1150 | ---- | ---- | 116.60B/*110.50 | 116.60B/*110.50A | ---- | 112.60 - 3.60 | .9667 | ---- | ---- | ---- | ---- | 49 UNCH |
| 1170 | ---- | ---- | 98.20B/*89.80A | 98.20B/*89.80A | ---- | 93.10 - 3.50 | .9474 | ---- | ---- | ---- | ---- | 4351 UNCH |
| 1190 | ---- | ---- | 79.00B/*70.90A | 79.00B/*70.90A | ---- | 74.00 - 3.50 | .9160 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1200 | ---- | ---- | 69.60B/*61.80A | 69.60B/*61.80A | ---- | 64.70 - 3.40 | .8883 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1205 | ---- | ---- | 65.10B/*57.40A | 65.10B/*57.40A | ---- | 60.20 - 3.30 | .8737 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1210 | ---- | ---- | 60.50B/*53.00A | 60.50B/*53.00A | ---- | 55.70 - 3.30 | .8563 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1220 | ---- | ---- | 51.80B/*44.60A | 51.80B/*44.60A | ---- | 47.10 - 3.20 | .8116 | ---- | ---- | ---- | ---- | 258 UNCH |
| 1230 | ---- | ---- | 43.50B/*36.80A | 43.50B/*36.80A | ---- | 39.10 - 3.10 | .7543 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1240 | ---- | ---- | 35.80B/*29.90A | 35.80B/*29.90A | ---- | 31.80 - 2.90 | .6854 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1245 | 28.90 | 28.90 | 32.30B/*26.70A | 32.30B/*26.70A | ---- | 28.50 NEW | .6476 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1250 | 25.90 | 25.90 | 28.90B/*23.70A | 28.90B/*23.70A | ---- | 25.40 - 2.70 | .6073 | ---- | ---- | 21 | ---- | 20 + 18 |
| 1255 | 23.70 | 23.70 | 25.80B/*21.00A | 25.80B/*21.00A | ---- | 22.50 - 2.60 | .5655 | ---- | ---- | 55 | ---- | 51 + 45 |
| 1260 | 20.50 | 20.50 | 22.90B/*18.60A | 22.90B/*18.60A | ---- | 19.90 - 2.40 | .5234 | ---- | ---- | 20 | ---- | 141 + 12 |
| 1265 | 19.60 | 19.60 | 20.30B/*16.40A | 20.30B/*16.40A | ---- | 17.60 - 2.20 | .4814 | ---- | ---- | 357 | 750 | 1196 + 846 |
| 1270 | 17.30 | 17.30 | 18.00B/*14.40A | 18.00B/*14.40A | ---- | 15.50 - 2.10 | .4403 | ---- | ---- | 41 | ---- | 256 + 33 |
| 1275 | 15.20 | 15.20 | 15.90/*12.60A | 15.90/*12.60A | ---- | 13.60 - 1.90 | .4006 | ---- | ---- | 147 | ---- | 426 + 70 |
| 1280 | 12.80 | 12.80 | 14.10B/*11.10A | 14.10B/*11.10A | ---- | 11.90 - 1.80 | .3626 | ---- | ---- | 206 | ---- | 325 + 116 |
| 1285 | 11.30 | 11.30 | 12.40B/*9.80A | 12.40B/*9.80A | ---- | 10.40 - 1.70 | .3268 | ---- | ---- | 45 | ---- | 141 + 31 |
| 1290 | 10.20 | 10.20 | 10.90B/*8.60A | 10.90B/*8.60A | ---- | 9.20 - 1.50 | .2949 | ---- | ---- | 193 | ---- | 350 + 57 |
| 1295 | 9.30 | 9.30 | 9.70B/*7.50A | 9.70B/*7.50A | ---- | 8.00 - 1.50 | .2637 | ---- | ---- | 109 | ---- | 1775 + 58 |
| 1300 | 7.90 | 7.90 | 8.60B/*6.70 | 8.60B/*6.70 | ---- | 7.00 - 1.40 | .2358 | ---- | ---- | 1851 | ---- | 3379 + 1720 |
| 1305 | 6.30 | 6.30 | 7.60B/*5.90A | 7.60B/*5.90A | ---- | 6.20 - 1.20 | .2117 | ---- | ---- | 200 | ---- | 534 + 143 |
| 1310 | 6.10 | 6.10 | 6.70B/*5.20A | 6.70B/*5.20A | ---- | 5.50 - 1.10 | .1899 | ---- | ---- | 34 | ---- | 2936 UNCH |
| 1315 | 5.50 | 5.50 | 6.00B/*4.60 | 6.00B/*4.60 | ---- | 4.80 - 1.10 | .1688 | ---- | ---- | 191 | 50 | 747 + 121 |
| 1320 | 5.00 | 5.00 | 5.10B/*4.00A | 5.10B/*4.00A | ---- | 4.30 - 1.00 | .1520 | ---- | ---- | 1543 | 1500 | 3214 + 2237 |
| 1325 | 4.00 | 4.00 | 4.00/*3.60A | 4.00/*3.60A | ---- | 3.80 - 0.90 | .1358 | ---- | ---- | 79 | ---- | 2971 + 72 |
| 1330 | 3.80 | 3.80 | 4.00B/*3.20A | 4.00B/*3.20A | ---- | 3.40 - 0.80 | .1221 | ---- | ---- | 226 | ---- | 2219 + 187 |
| 1335 | 3.40 | 3.40 | 3.40/*2.90A | 3.40/*2.90A | ---- | 3.00 - 0.80 | .1088 | ---- | ---- | 190 | ---- | 442 + 177 |
| 1340 | 3.20 | 3.20 | 3.30B/*2.60A | 3.30B/*2.60A | ---- | 2.70 - 0.70 | .0981 | ---- | ---- | 308 | ---- | 8860 + 77 |
| 1345 | 2.40 | 2.40 | 2.40/*2.30A | 2.40/*2.30A | ---- | 2.50 - 0.60 | .0901 | ---- | ---- | 74 | ---- | 193 + 62 |
| 1350 | 2.10 | 2.10 | 2.20B/*2.00 | 2.20B/*2.00 | ---- | 2.20 - 0.60 | .0801 | ---- | ---- | 108 | ---- | 2045 + 3 |
| 1355 | 2.10 | 2.10 | 2.10/*1.90A | 2.10/*1.90A | ---- | 2.00 - 0.50 | .0727 | ---- | ---- | 3 | ---- | 839 + 1 |
| 1360 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.80 - 0.50 | .0656 | ---- | ---- | 91 | ---- | 3138 - 6 |
| 1365 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.60 - 0.40 | .0587 | ---- | ---- | 156 | ---- | 384 + 155 |
| 1370 | 1.40 | 1.40 | 1.50/*1.40 | 1.50/*1.40 | ---- | 1.50 - 0.30 | .0544 | ---- | ---- | 17 | ---- | 690 + 15 |
| 1375 | 1.50 | 1.50 | 1.60B/*1.30 | 1.60B/*1.30 | ---- | 1.30 - 0.40 | .0478 | ---- | ---- | 18 | ---- | 2689 + 3 |
| 1380 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.20 - 0.30 | .0439 | ---- | ---- | 1 | ---- | 6606 UNCH |
| 1385 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.10 - 0.30 | .0401 | ---- | ---- | 11 | ---- | 282 - 1 |
| 1390 | 1.40 | 1.40 | 1.40/*1.00 | 1.40/*1.00 | ---- | 1.00 - 0.30 | .0365 | ---- | ---- | 13 | ---- | 489 - 1 |
| 1395 | ---- | ---- | ----/*0.90A | ----/*0.90A | ---- | 0.90 - 0.30 | .0329 | ---- | ---- | 1 | ---- | 369 + 1 |
| 1400 | 0.80 | 0.80 | 0.90/*0.80 | 0.90/*0.80 | ---- | 0.80 - 0.30 | .0294 | ---- | ---- | 37 | ---- | 15734 + 1 |
| 1405 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.20 | .0287 | ---- | ---- | ---- | ---- | 282 UNCH |
| 1410 | 0.80 | 0.80 | 0.80/*0.70A | 0.80/*0.70A | ---- | 0.70 - 0.20 | .0253 | ---- | ---- | 51 | ---- | 216 - 1 |
| 1415 | 0.70 | 0.70 | 0.70/*0.70 | 0.70/*0.70 | ---- | 0.60 - 0.30 | .0220 | ---- | ---- | 92 | ---- | 311 - 28 |
| 1420 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.20 | .0215 | ---- | ---- | 2 | ---- | 1822 - 1 |
| 1425 | 0.70 | 0.70 | 0.70/*0.60A | 0.70/*0.60A | ---- | 0.60 - 0.20 | .0211 | ---- | ---- | 1 | ---- | 1055 UNCH |
| 1430 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.50 - 0.20 | .0179 | ---- | ---- | ---- | ---- | 1812 UNCH |
| 1435 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.20 | .0175 | ---- | ---- | 5 | ---- | 133 - 5 |
| 1440 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0172 | ---- | ---- | ---- | ---- | 735 UNCH |
| 1445 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.20 | .0141 | ---- | ---- | ---- | ---- | 446 UNCH |
| 1450 | 0.40 | 0.40 | 0.40/*0.40 | 0.40/*0.40 | ---- | 0.40 - 0.10 | .0139 | ---- | ---- | 55 | ---- | 8724 - 5 |
| 1455 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.40 - 0.10 | .0136 | ---- | ---- | 200 | ---- | 480 + 6 |
| 1460 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.40 - 0.10 | .0134 | ---- | ---- | 55 | ---- | 335 + 11 |
| 1465 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.40 UNCH | .0131 | ---- | ---- | 50 | ---- | 221 + 50 |
| 1470 | 0.40 | 0.40 | 0.40/*0.30A | 0.40/*0.30A | ---- | 0.30 - 0.10 | .0103 | ---- | ---- | 2 | ---- | 978 UNCH |
| 1475 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.30 - 0.10 | .0101 | ---- | ---- | 1 | ---- | 2010 UNCH |
| 1480 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0099 | ---- | ---- | ---- | ---- | 516 UNCH |
| 1485 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.20 - 0.10 | .0070 | ---- | ---- | 1 | ---- | 232 UNCH |
| 1490 | ---- | ---- | ----/*0.20A | ----/*0.20A | ---- | 0.20 - 0.10 | .0069 | ---- | ---- | ---- | ---- | 48 UNCH |
| 1495 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0068 | ---- | ---- | ---- | ---- | 73 UNCH |
| 1500 | 0.20 | 0.20 | 0.20/*0.20 | 0.20/*0.20 | ---- | 0.20 UNCH | .0067 | ---- | ---- | 1 | ---- | 3392 - 1 |
| 1505 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0066 | ---- | ---- | ---- | ---- | 68 UNCH |
| 1510 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0036 | ---- | ---- | ---- | ---- | 87 UNCH |
| 1515 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0031 | ---- | ---- | ---- | ---- | 92 UNCH |
| 1520 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0027 | ---- | ---- | 99 | ---- | 7083 + 49 |
| 1525 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0023 | ---- | ---- | ---- | ---- | 466 UNCH |
| 1530 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0019 | ---- | ---- | 118 | ---- | 545 + 118 |
| 1535 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0017 | ---- | ---- | ---- | ---- | 717 UNCH |
| 1540 | ---- | ---- | 0.20B/---- | 0.20B/---- | ---- | 0.10 UNCH | .0014 | ---- | ---- | ---- | ---- | 531 UNCH |
| 1545 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0012 | ---- | ---- | ---- | ---- | 235 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0010 | ---- | ---- | 30 | ---- | 11698 UNCH |
| 1555 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0008 | ---- | ---- | ---- | ---- | 154 UNCH |
| 1560 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0007 | ---- | ---- | ---- | ---- | 439 UNCH |
| 1565 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0006 | ---- | ---- | ---- | ---- | 138 UNCH |
| 1570 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0005 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1575 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0004 | ---- | ---- | ---- | ---- | 189 UNCH |
| 1580 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0003 | ---- | ---- | ---- | ---- | 21 UNCH |
| 1585 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0003 | ---- | ---- | ---- | ---- | 500 UNCH |
| 1590 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0002 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 2229 UNCH |
| 1610 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1620 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 18 UNCH |
| 1625 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 125 UNCH |
| 1630 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1640 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 48 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 6337 UNCH |
| 1660 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 437 UNCH |
| 1670 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1675 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 389 UNCH |
| 1680 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 136 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 2204 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 200 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 103 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 46 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 217 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 3 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 24 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 287 UNCH |
| TOTAL | | | | | | | | | | 7110 | 2,300 | 128067 + 6447 |
| OCT18 | | | | | | | | | | | | |
| 750 | ---- | ---- | ---- | ---- | ---- | 511.90 NEW | 1.0000 | ---- | ---- | 11 | ---- | 11 + 11 |
| 1050 | ---- | ---- | ---- | ---- | ---- | 211.90 - 3.70 | .9914 | ---- | ---- | ---- | ---- | 51 UNCH |

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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | |
| 1100 | ---- | ---- | ----/*159.90A | ----/*159.90A | ---- | 162.10 - 3.70 | .9815 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1150 | ---- | ---- | 117.00B/*111.00 | 117.00B/*111.00A | ---- | 113.10 - 3.70 | .9519 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1230 | 43.00 | 43.00 | 46.30B/*40.20A | 46.30B/*40.20A | ---- | 42.20 NEW | .7195 | ---- | ---- | 80 | ---- | 80 + 80 |
| 1235 | ---- | ---- | 42.60B/*36.80A | 42.60B/*36.80A | ---- | 38.70 - 3.10 | .6895 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1250 | ---- | ---- | 32.60B/*27.70A | 32.60B/*27.70A | ---- | 29.20 - 2.90 | .5915 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1255 | ---- | ---- | 29.70B/*25.00A | 29.70B/*25.00A | ---- | 26.50 - 2.70 | .5571 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1260 | ---- | ---- | 27.00B/*22.60A | 27.00B/*22.60A | ---- | 24.00 - 2.50 | .5222 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1265 | ---- | ---- | 24.40B/*20.40A | 24.40B/*20.40A | ---- | 21.60 - 2.50 | .4876 | ---- | ---- | 18 | ---- | 297 + 18 |
| 1270 | 21.40 | 21.40 | 22.00B/*18.40A | 22.00B/*18.40A | ---- | 19.50 - 2.30 | .4537 | ---- | ---- | 47 | ---- | 135 + 45 |
| 1275 | 19.00 | 19.00 | 19.90B/*16.60A | 19.90B/*16.60A | ---- | 17.50 - 2.30 | .4204 | ---- | ---- | 6 | ---- | 318 + 2 |
| 1280 | 16.50 | 16.50 | 18.00B/*14.90A | 18.00B/*14.90A | ---- | 15.80 - 2.10 | .3888 | ---- | ---- | 2 | ---- | 188 + 1 |
| 1285 | 15.50 | 15.50 | 16.30B/*13.50A | 16.30B/*13.50A | ---- | 14.20 - 1.90 | .3584 | ---- | ---- | 5 | ---- | 240 + 5 |
| 1290 | 12.80 | 12.80 | 14.80B/*12.10A | 14.80B/*12.10A | ---- | 12.80 - 1.80 | .3300 | ---- | ---- | 6 | ---- | 434 + 2 |
| 1295 | 11.60 | 11.60 | 13.30B/*10.90A | 13.30B/*10.90A | ---- | 11.50 - 1.70 | .3029 | ---- | ---- | 2 | ---- | 198 UNCH |
| 1300 | 10.70 | 10.70 | 11.80B/*9.90A | 11.80B/*9.90A | ---- | 10.30 - 1.70 | .2772 | ---- | ---- | 13 | ---- | 1410 + 10 |
| 1305 | ---- | ---- | ----/*8.90A | ----/*8.90A | ---- | 9.30 - 1.50 | .2541 | ---- | ---- | ---- | ---- | 275 UNCH |
| 1310 | 9.00 | 9.00 | 9.90B/*8.10A | 9.90B/*8.10A | ---- | 8.40 - 1.40 | .2327 | ---- | ---- | 107 | ---- | 586 - 41 |
| 1315 | 7.80 | 7.80 | 7.80/*7.30A | 7.80/*7.30A | ---- | 7.60 - 1.30 | .2131 | ---- | ---- | 8 | ---- | 405 UNCH |
| 1320 | 8.00 | 8.00 | 8.00/*6.60A | 8.00/*6.60A | ---- | 6.90 - 1.20 | .1953 | ---- | ---- | 16 | ---- | 407 UNCH |
| 1325 | 6.00 | 6.00 | 6.30B/*6.00 | 6.30B/*6.00 | ---- | 6.20 - 1.20 | .1780 | ---- | ---- | 2 | ---- | 435 + 2 |
| 1330 | ---- | ---- | ----/*5.40A | ----/*5.40A | ---- | 5.70 - 1.10 | .1641 | ---- | ---- | ---- | ---- | 576 UNCH |
| 1335 | 5.20 | 5.20 | 5.30B/*4.90A | 5.30B/*4.90A | ---- | 5.20 - 1.00 | .1506 | ---- | ---- | 34 | ---- | 281 + 11 |
| 1340 | 5.00 | 5.00 | 5.40B/*4.50 | 5.40B/*4.50 | ---- | 4.70 - 1.00 | .1375 | ---- | ---- | 144 | ---- | 1520 + 94 |
| 1345 | ---- | ---- | ----/*4.10A | ----/*4.10A | ---- | 4.30 - 0.90 | .1263 | ---- | ---- | 2 | ---- | 817 UNCH |
| 1350 | 4.00 | 4.00 | 4.00/*3.80A | 4.00/*3.80A | ---- | 3.90 - 0.90 | .1154 | ---- | ---- | 43 | ---- | 2037 UNCH |
| 1355 | 3.70 | 3.70 | 3.70/*3.40A | 3.70/*3.40A | ---- | 3.60 - 0.80 | .1066 | ---- | ---- | 7 | ---- | 709 + 6 |
| 1360 | ---- | ---- | ----/*3.20A | ----/*3.20A | ---- | 3.30 - 0.70 | .0980 | ---- | ---- | 6 | ---- | 2216 - 6 |
| 1365 | 3.00 | 3.00 | 3.00/*2.90A | 3.00/*2.90A | ---- | 3.00 - 0.70 | .0897 | ---- | ---- | 3 | 50 | 259 + 18 |
| 1370 | ---- | ---- | ----/*2.70A | ----/*2.70A | ---- | 2.80 - 0.60 | .0834 | ---- | ---- | ---- | ---- | 625 UNCH |
| 1375 | 2.60 | 2.60 | 2.60/*2.50A | 2.60/*2.50A | ---- | 2.60 - 0.60 | .0773 | ---- | ---- | 3 | ---- | 1138 UNCH |
| 1380 | ---- | ---- | ----/*2.30A | ----/*2.30A | ---- | 2.40 - 0.50 | .0715 | ---- | ---- | ---- | ---- | 405 UNCH |
| 1385 | ---- | ---- | ----/*2.10A | ----/*2.10A | ---- | 2.20 - 0.50 | .0657 | ---- | ---- | 30 | ---- | 160 + 30 |
| 1390 | ---- | ---- | ----/*1.90A | ----/*1.90A | ---- | 2.00 - 0.50 | .0601 | ---- | ---- | ---- | ---- | 92 UNCH |
| 1395 | 1.80 | 1.80 | 1.80/*1.80 | 1.80/*1.80 | ---- | 1.90 - 0.40 | .0566 | ---- | ---- | 29 | ---- | 284 + 27 |
| 1400 | 2.00 | 2.00 | 2.00/*1.70 | 2.00/*1.70 | ---- | 1.80 - 0.40 | .0533 | ---- | ---- | 26 | ---- | 4128 + 7 |
| 1405 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.60 - 0.40 | .0479 | ---- | ---- | ---- | ---- | 80 UNCH |
| 1410 | 1.50 | 1.50 | 1.50/*1.50 | 1.50/*1.50 | ---- | 1.50 - 0.40 | .0448 | ---- | ---- | 1 | ---- | 176 - 1 |
| 1415 | ---- | ---- | ----/*1.40A | ----/*1.40A | ---- | 1.40 - 0.30 | .0417 | ---- | ---- | ---- | ---- | 106 UNCH |
| 1420 | 1.20 | 1.20 | 1.20/*1.20 | 1.20/*1.20 | ---- | 1.30 - 0.30 | .0387 | ---- | ---- | 1 | ---- | 1002 + 1 |
| 1425 | 1.20 | 1.20 | 1.20/*1.20 | 1.20/*1.20 | ---- | 1.20 - 0.30 | .0358 | ---- | ---- | 2 | ---- | 2289 + 2 |
| 1430 | 1.10 | 1.10 | 1.10/*1.10 | 1.10/*1.10 | ---- | 1.20 - 0.20 | .0351 | ---- | ---- | 2 | ---- | 249 + 2 |
| 1435 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.10 - 0.20 | .0323 | ---- | ---- | ---- | ---- | 72 UNCH |
| 1440 | 0.90 | 0.90 | 0.90/*0.90 | 0.90/*0.90 | ---- | 1.00 - 0.20 | .0295 | ---- | ---- | 1 | ---- | 70 + 1 |
| 1445 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 1.00 - 0.20 | .0290 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1450 | 0.90 | 0.90 | 1.00/*0.80 | 1.00/*0.80 | ---- | 0.90 - 0.20 | .0263 | ---- | ---- | 116 | ---- | 855 + 16 |
| 1455 | ---- | ---- | ----/*0.90A | ----/*0.90A | ---- | 0.80 - 0.20 | .0236 | ---- | ---- | ---- | ---- | 69 UNCH |
| 1460 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.20 | .0232 | ---- | ---- | ---- | ---- | 600 UNCH |
| 1465 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.10 | .0228 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1470 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.70 - 0.20 | .0203 | ---- | ---- | ---- | ---- | 81 UNCH |
| 1475 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.70 - 0.10 | .0200 | ---- | ---- | ---- | ---- | 601 UNCH |
| 1480 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.60 - 0.20 | .0174 | ---- | ---- | ---- | ---- | 135 UNCH |
| 1485 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.10 | .0172 | ---- | ---- | ---- | ---- | 29 UNCH |
| 1490 | 0.50 | 0.50 | 0.50/*0.50 | 0.50/*0.50 | ---- | 0.60 - 0.10 | .0169 | ---- | ---- | 100 | ---- | 118 + 100 |
| 1495 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.50 - 0.20 | .0144 | ---- | ---- | ---- | ---- | 452 UNCH |
| 1500 | 0.60 | 0.60 | 0.60/*0.40 | 0.60/*0.40 | ---- | 0.50 - 0.10 | .0142 | ---- | ---- | 3 | ---- | 765 UNCH |
| 1505 | 0.50 | 0.50 | 0.50/*0.50 | 0.50/*0.50 | ---- | 0.50 - 0.10 | .0140 | ---- | ---- | 50 | ---- | 99 + 50 |
| 1510 | 0.50 | 0.50 | 0.50/*0.50 | 0.50/*0.50 | ---- | 0.50 - 0.10 | .0138 | ---- | ---- | 50 | ---- | 79 UNCH |
| 1515 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0114 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1520 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0113 | ---- | ---- | ---- | ---- | 1417 UNCH |
| 1525 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0111 | ---- | ---- | 2 | ---- | 787 + 2 |
| 1530 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0110 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1535 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0108 | ---- | ---- | ---- | ---- | 143 UNCH |
| 1540 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0085 | ---- | ---- | ---- | ---- | 52 UNCH |
| 1545 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0084 | ---- | ---- | ---- | ---- | 167 UNCH |
| 1550 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.30 - 0.10 | .0083 | ---- | ---- | 50 | ---- | 1346 UNCH |
| 1555 | ---- | ---- | ----/*0.30A | ----/*0.30A | ---- | 0.30 - 0.10 | .0082 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1560 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.30 UNCH | .0081 | ---- | ---- | 20 | ---- | 47 + 19 |
| 1565 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0080 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1570 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0079 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1575 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0056 | ---- | ---- | ---- | ---- | 316 UNCH |
| 1580 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0055 | ---- | ---- | ---- | ---- | 36 UNCH |
| 1585 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0055 | ---- | ---- | ---- | ---- | 29 UNCH |
| 1590 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0054 | ---- | ---- | ---- | ---- | 87 UNCH |
| 1600 | ---- | ---- | ----/*0.20A | ----/*0.20A | ---- | 0.20 - 0.10 | .0053 | ---- | ---- | ---- | ---- | 938 UNCH |
| 1610 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0052 | ---- | ---- | ---- | ---- | 59 UNCH |
| 1620 | 0.20 | 0.20 | 0.20/*0.20 | 0.20/*0.20 | ---- | 0.20 UNCH | .0051 | ---- | ---- | 7 | ---- | 7 + 3 |
| 1625 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0050 | ---- | ---- | ---- | ---- | 185 UNCH |
| 1630 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0050 | ---- | ---- | ---- | ---- | 45 UNCH |
| 1640 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0049 | ---- | ---- | ---- | ---- | 48 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0027 | ---- | ---- | ---- | ---- | 701 UNCH |
| 1660 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0022 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1670 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0018 | ---- | ---- | ---- | ---- | 257 UNCH |
| 1675 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0016 | ---- | ---- | ---- | ---- | 524 UNCH |
| 1680 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0014 | ---- | ---- | ---- | ---- | 507 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0009 | ---- | ---- | ---- | ---- | 297 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0005 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0003 | ---- | ---- | ---- | ---- | 91 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 215 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 16 UNCH |
| TOTAL | | | | | | | | | | 1055 | 50 | 37314 + 517 |
| NOV18 | | | | | | | | | | | | |
| 750 | ---- | ---- | ---- | ---- | ---- | 518.00 - 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1180 | ---- | ---- | 96.10B/*89.00A | 96.10B/*89.00A | ---- | 91.60 - 3.70 | .8932 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1220 | ---- | ---- | 61.70B/*55.50A | 61.70B/*55.50A | ---- | 57.60 - 3.30 | .7673 | ---- | ---- | ---- | ---- | 129 UNCH |
| 1230 | ---- | ---- | 54.00B/*48.20A | 54.00B/*48.20A | ---- | 50.10 - 3.20 | .7214 | ---- | ---- | ---- | ---- | 131 UNCH |
| 1265 | ---- | ---- | 31.90B/*27.50A | 31.90B/*27.50A | ---- | 28.80 - 2.70 | .5282 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1270 | 28.20 | 28.20 | 29.40B/*25.30A | 29.40B/*25.30A | ---- | 26.50 - 2.50 | .4991 | ---- | ---- | 15 | ---- | 21 UNCH |
| 1275 | 25.70 | 25.70 | 27.00B/*23.20A | 27.00B/*23.20A | ---- | 24.30 - 2.50 | .4704 | ---- | ---- | 2 | ---- | 7 UNCH |
| 1280 | ---- | ---- | 24.80B/*21.30A | 24.80B/*21.30A | ---- | 22.30 - 2.30 | .4423 | ---- | ---- | ---- | ---- | 180 UNCH |
| 1285 | ---- | ---- | 22.80B/*19.60A | 22.80B/*19.60A | ---- | 20.50 - 2.20 | .4152 | ---- | ---- | ---- | ---- | 111 UNCH |
| 1290 | ---- | ---- | 21.00B/*18.00A | 21.00B/*18.00A | ---- | 18.80 - 2.10 | .3890 | ---- | ---- | ---- | ---- | 260 UNCH |
| 1300 | ---- | ---- | ----/*15.10A | ----/*15.10A | ---- | 15.80 - 1.90 | .3397 | ---- | ---- | ---- | ---- | 359 UNCH |
| 1305 | ---- | ---- | ----/*13.90A | ----/*13.90A | ---- | 14.50 - 1.90 | .3169 | ---- | ---- | ---- | ---- | 350 UNCH |
| 1310 | ---- | ---- | ----/*12.80A | ----/*12.80A | ---- | 13.30 - 1.80 | .2953 | ---- | ---- | ---- | ---- | 177 UNCH |
| 1315 | ---- | ---- | ----/*11.70A | ----/*11.70A | ---- | 12.30 - 1.60 | .2758 | ---- | ---- | ---- | ---- | 42 UNCH |
| 1320 | ---- | ---- | ----/*10.80A | ----/*10.80A | ---- | 11.30 - 1.60 | .2567 | ---- | ---- | ---- | ---- | 97 UNCH |
| 1325 | 10.60 | 10.60 | 10.80/*9.90A | 10.80/*9.90A | ---- | 10.40 - 1.50 | .2390 | ---- | ---- | 70 | ---- | 96 + 54 |
| 1330 | ---- | ---- | ----/*9.20A | ----/*9.20A | ---- | 9.50 - 1.50 | .2216 | ---- | ---- | 250 | ---- | 387 + 250 |
| 1335 | ---- | ---- | ----/*8.40A | ----/*8.40A | ---- | 8.80 - 1.40 | .2066 | ---- | ---- | ---- | ---- | 81 UNCH |
| 1340 | ---- | ---- | ----/*7.80A | ----/*7.80A | ---- | 8.10 - 1.40 | .1921 | ---- | ---- | ---- | ---- | 289 UNCH |
| 1345 | 8.00 | 8.00 | 8.40B/*7.20A | 8.40B/*7.20A | ---- | 7.50 - 1.30 | .1790 | ---- | ---- | 25 | ---- | 111 - 3 |
| 1350 | 6.70 | 6.70 | 7.00B/*6.70 | 7.00B/*6.70 | ---- | 7.00 - 1.20 | .1674 | ---- | ---- | 315 | ---- | 390 + 253 |
| 1355 | 7.20 | 7.20 | 7.20/*6.20A | 7.20/*6.20A | ---- | 6.40 - 1.20 | .1549 | ---- | ---- | 5 | ---- | 567 + 5 |
| 1360 | ---- | ---- | ----/*5.70A | ----/*5.70A | ---- | 6.00 - 1.10 | .1453 | ---- | ---- | 19 | ---- | 490 + 5 |
| 1365 | 6.20 | 6.20 | 6.20/*5.30A | 6.20/*5.30A | ---- | 5.60 - 1.00 | .1359 | ---- | ---- | 31 | ---- | 87 - 11 |
| 1370 | 5.10 | 5.10 | 5.20B/*4.90A | 5.20B/*4.90A | ---- | 5.20 - 0.90 | .1267 | ---- | ---- | 12 | ---- | 25 + 9 |
| 1375 | ---- | ---- | ----/*4.60A | ----/*4.60A | ---- | 4.80 - 0.90 | .1178 | ---- | ---- | ---- | ---- | 4619 UNCH |
| 1380 | ---- | ---- | ----/*4.30A | ----/*4.30A | ---- | 4.50 - 0.80 | .1105 | ---- | ---- | 350 | ---- | 763 - 113 |
| 1385 | ---- | ---- | ----/*4.00A | ----/*4.00A | ---- | 4.20 - 0.80 | .1033 | ---- | ---- | 250 | ---- | 291 + 205 |
| 1390 | ---- | ---- | ----/*3.70A | ----/*3.70A | ---- | 3.90 - 0.70 | .0963 | ---- | ---- | 354 | ---- | 334 - 33 |
| 1395 | 3.60 | 3.60 | 3.70/*3.40A | 3.70/*3.40A | ---- | 3.70 - 0.70 | .0911 | ---- | ---- | 22 | ---- | 270 UNCH |
| 1400 | ---- | ---- | ----/*3.20A | ----/*3.20A | ---- | 3.40 - 0.70 | .0843 | ---- | ---- | 500 | ---- | 1406 + 500 |
| 1405 | 3.10 | 3.10 | 3.20B/*3.00A | 3.20B/*3.00A | ---- | 3.20 - 0.60 | .0793 | ---- | ---- | 147 | ---- | 154 + 127 |
| 1410 | ---- | ---- | ----/*2.80A | ----/*2.80A | ---- | 3.00 - 0.60 | .0744 | ---- | ---- | ---- | ---- | 61 UNCH |
| 1415 | 2.80 | 2.80 | 2.80/*2.70A | 2.80/*2.70A | ---- | 2.80 - 0.60 | .0696 | ---- | ---- | 24 | ---- | 71 + 24 |
| 1420 | 2.60 | 2.60 | 2.60/*2.50A | 2.60/*2.50A | ---- | 2.60 - 0.60 | .0649 | ---- | ---- | 3 | ---- | 132 UNCH |
| 1425 | 2.40 | 2.40 | 2.50B/*2.30A | 2.50B/*2.30A | ---- | 2.50 - 0.50 | .0619 | ---- | ---- | 253 | ---- | 268 + 155 |
| 1430 | ---- | ---- | ----/*2.20A | ----/*2.20A | ---- | 2.30 - 0.60 | .0574 | ---- | ---- | ---- | ---- | 181 UNCH |
| 1435 | ---- | ---- | ----/*2.10A | ----/*2.10A | ---- | 2.20 - 0.50 | .0546 | ---- | ---- | ---- | ---- | 32 UNCH |
| 1440 | ---- | ---- | ----/*2.00A | ----/*2.00A | ---- | 2.10 - 0.50 | .0519 | ---- | ---- | ---- | ---- | 97 UNCH |
| 1445 | ---- | ---- | ----/*1.90A | ----/*1.90A | ---- | 2.00 - 0.40 | .0493 | ---- | ---- | ---- | ---- | 64 UNCH |
| 1450 | 1.90 | 1.90 | 1.90/*1.80A | 1.90/*1.80A | ---- | 1.80 - 0.50 | .0449 | ---- | ---- | 4 | ---- | 979 - 4 |
| 1455 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.70 - 0.40 | .0424 | ---- | ---- | ---- | ---- | 59 UNCH |
| 1460 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.60 - 0.40 | .0399 | ---- | ---- | ---- | ---- | 38 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| NOV18 | | | | | | | | | | | | |
| 1465 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.60 - 0.30 | .0392 | ---- | ---- | ---- | ---- | 74 UNCH |
| 1470 | ---- | ---- | ----/*1.50A | ----/*1.50A | ---- | 1.50 - 0.30 | .0368 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1475 | ---- | ---- | ----/*1.40A | ----/*1.40A | ---- | 1.40 - 0.30 | .0345 | ---- | ---- | ---- | ---- | 1433 UNCH |
| 1480 | 1.30 | 1.30 | 1.30/*1.30 | 1.30/*1.30 | ---- | 1.30 - 0.30 | .0321 | ---- | ---- | 1 | ---- | 80 - 1 |
| 1485 | ---- | ---- | ----/*1.30A | ----/*1.30A | ---- | 1.30 - 0.20 | .0317 | ---- | ---- | ---- | ---- | 45 UNCH |
| 1490 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.20 - 0.30 | .0294 | ---- | ---- | ---- | ---- | 45 UNCH |
| 1495 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.10 - 0.30 | .0271 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1500 | 1.20 | 1.20 | 1.20/*1.10A | 1.20/*1.10A | ---- | 1.10 - 0.20 | .0268 | ---- | ---- | 1 | ---- | 670 - 1 |
| 1505 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.00 - 0.30 | .0245 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1510 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 1.00 - 0.20 | .0242 | ---- | ---- | ---- | ---- | 61 UNCH |
| 1515 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 1.00 - 0.10 | .0239 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1520 | ---- | ---- | ----/*0.90A | ----/*0.90A | ---- | 0.90 - 0.20 | .0217 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1525 | ---- | ---- | ----/*0.90A | ----/*0.90A | ---- | 0.90 - 0.10 | .0215 | ---- | ---- | ---- | ---- | 102 UNCH |
| 1530 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.20 | .0194 | ---- | ---- | ---- | ---- | 47 UNCH |
| 1535 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.20 | .0191 | ---- | ---- | ---- | ---- | 121 UNCH |
| 1540 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.10 | .0189 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1545 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.70 - 0.20 | .0168 | ---- | ---- | ---- | ---- | 146 UNCH |
| 1550 | 0.70 | 0.70 | 0.70/*0.70 | 0.70/*0.70 | ---- | 0.70 - 0.20 | .0166 | ---- | ---- | 3 | ---- | 103 UNCH |
| 1555 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.70 - 0.10 | .0164 | ---- | ---- | ---- | ---- | 60 UNCH |
| 1560 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.70 - 0.10 | .0162 | ---- | ---- | ---- | ---- | 87 UNCH |
| 1565 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.60 - 0.20 | .0142 | ---- | ---- | ---- | ---- | 38 UNCH |
| 1570 | ---- | ---- | ---- | ---- | ---- | 0.60 - 0.10 | .0141 | ---- | ---- | ---- | ---- | 41 UNCH |
| 1575 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.10 | .0139 | ---- | ---- | ---- | ---- | 160 UNCH |
| 1580 | 0.60 | 0.60 | 0.60/*0.60 | 0.60/*0.60 | ---- | 0.60 - 0.10 | .0137 | ---- | ---- | 1 | ---- | 4 - 1 |
| 1585 | 0.50 | 0.50 | 0.50/*0.50 | 0.50/*0.50 | ---- | 0.60 - 0.10 | .0136 | ---- | ---- | 4 | ---- | 25 UNCH |
| 1590 | ---- | ---- | ---- | ---- | ---- | 0.50 - 0.10 | .0116 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1600 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0114 | ---- | ---- | ---- | ---- | 3691 UNCH |
| 1610 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0112 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1620 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0092 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1625 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0091 | ---- | ---- | ---- | ---- | 140 UNCH |
| 1630 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0090 | ---- | ---- | ---- | ---- | 56 UNCH |
| 1640 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0088 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0087 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1660 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0067 | ---- | ---- | ---- | ---- | 94 UNCH |
| 1670 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0066 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1675 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0066 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1690 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0064 | ---- | ---- | ---- | ---- | 90 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0063 | ---- | ---- | ---- | ---- | 265 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0043 | ---- | ---- | ---- | ---- | 65 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0042 | ---- | ---- | ---- | ---- | 472 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0022 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0015 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0010 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | 2661 | | 22913 + 1420 |
| DEC18 | | | | | | | | | | | | |
| 700 | ---- | ---- | ---- | ---- | ---- | 568.00 - 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 750 | ---- | ---- | ---- | ---- | ---- | 518.00 - 3.80 | 1.0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 268.00 - 3.80 | .9912 | ---- | ---- | ---- | ---- | 300 UNCH |
| 1090 | ---- | ---- | 183.70B/*175.20 | 183.70B/*175.20A | ---- | 178.50 - 3.90 | .9712 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1100 | ---- | ---- | 173.90B/165.40A | 173.90B/165.40A | ---- | 168.70 - 3.80 | .9663 | ---- | ---- | ---- | ---- | 1047 UNCH |
| 1110 | ---- | ---- | 164.10B/155.70A | 164.10B/155.70A | ---- | 158.90 - 3.90 | .9611 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1120 | ---- | ---- | 154.40B/*146.00 | 154.40B/*146.00A | ---- | 149.20 - 3.80 | .9539 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1125 | ---- | ---- | 149.50B/*141.20 | 149.50B/*141.20A | ---- | 144.40 - 3.80 | .9493 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1140 | ---- | ---- | 135.10B/*126.90 | 135.10B/*126.90A | ---- | 130.00 - 3.80 | .9350 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1145 | 125.00 | 125.00 | 130.30B/*122.20 | 130.30B/*122.20A | ---- | 125.30 - 3.80 | .9300 | ---- | ---- | 250 | ---- | 7705 UNCH |
| 1150 | ---- | ---- | 125.60B/*117.50 | 125.60B/*117.50A | ---- | 120.60 - 3.70 | .9232 | ---- | ---- | ---- | ---- | 81 UNCH |
| 1155 | ---- | ---- | 120.90B/*112.90 | 120.90B/*112.90A | ---- | 115.90 - 3.70 | .9163 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1160 | ---- | ---- | 116.20B/*108.30 | 116.20B/*108.30A | ---- | 111.20 - 3.80 | .9093 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1165 | ---- | ---- | 111.50B/*103.70 | 111.50B/*103.70A | ---- | 106.60 - 3.70 | .9006 | ---- | ---- | ---- | ---- | 21 UNCH |
| 1170 | ---- | ---- | 106.90B/*99.20A | 106.90B/*99.20A | ---- | 102.10 - 3.60 | .8917 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1180 | ---- | ---- | 97.90B/*90.40A | 97.90B/*90.40A | ---- | 93.10 - 3.60 | .8706 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1200 | ---- | ---- | 80.50B/*73.60A | 80.50B/*73.60A | ---- | 76.00 - 3.40 | .8159 | ---- | ---- | ---- | ---- | 51 UNCH |
| 1220 | ---- | ---- | 64.40B/*58.30A | 64.40B/*58.30A | ---- | 60.30 - 3.30 | .7434 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1225 | ---- | ---- | 60.70B/*54.70A | 60.70B/*54.70A | ---- | 56.70 - 3.30 | .7226 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 1230 | ---- | ---- | 57.10B/*51.30A | 57.10B/*51.30A | ---- | 53.20 - 3.20 | .7003 | ---- | ---- | ---- | ---- | 42 UNCH |
| 1235 | ---- | ---- | 53.60B/*48.00A | 53.60B/*48.00A | ---- | 49.80 - 3.20 | .6774 | ---- | ---- | ---- | ---- | 152 UNCH |
| 1250 | ---- | ---- | 43.90B/*39.00A | 43.90B/*39.00A | ---- | 40.50 - 3.00 | .6041 | ---- | ---- | 3 | 50 | 815 + 33 |
| 1255 | ---- | ---- | 41.00B/*36.30A | 41.00B/*36.30A | ---- | 37.70 - 2.90 | .5789 | ---- | ---- | ---- | ---- | 184 UNCH |
| 1260 | ---- | ---- | 38.30B/*33.70A | 38.30B/*33.70A | ---- | 35.10 - 2.80 | .5532 | ---- | ---- | ---- | ---- | 56 UNCH |
| 1265 | 32.60 | 32.60 | 35.70B/*31.40A | 35.70B/*31.40A | ---- | 32.60 - 2.70 | .5276 | ---- | ---- | 25 | ---- | 105 + 25 |
| 1270 | 30.30 | 30.30 | 33.20B/*29.20A | 33.20B/*29.20A | ---- | 30.30 - 2.60 | .5020 | ---- | ---- | 8 | ---- | 171 + 8 |
| 1275 | 28.00 | 28.00 | 30.90B/*27.10A | 30.90B/*27.10A | ---- | 28.20 - 2.50 | .4770 | ---- | ---- | 102 | ---- | 1827 + 102 |
| 1280 | ---- | ---- | 28.70B/*25.20A | 28.70B/*25.20A | ---- | 26.10 - 2.50 | .4521 | ---- | ---- | ---- | ---- | 680 UNCH |
| 1285 | 24.10 | 24.10 | 26.70B/*23.40A | 26.70B/*23.40A | ---- | 24.30 - 2.30 | .4283 | ---- | ---- | 21 | ---- | 116 + 21 |
| 1290 | ---- | ---- | ----/*21.70A | ----/*21.70A | ---- | 22.50 - 2.30 | .4048 | ---- | ---- | ---- | ---- | 898 UNCH |
| 1295 | ---- | ---- | ----/*20.20A | ----/*20.20A | ---- | 20.90 - 2.20 | .3823 | ---- | ---- | ---- | ---- | 88 UNCH |
| 1300 | 20.50 | 20.50 | 21.40B/*18.70A | 21.40B/*18.70A | ---- | 19.40 - 2.20 | .3607 | ---- | ---- | 56 | ---- | 4534 + 50 |
| 1305 | ---- | ---- | ----/*17.40A | ----/*17.40A | ---- | 18.00 - 2.10 | .3399 | ---- | ---- | ---- | ---- | 327 UNCH |
| 1310 | 17.00 | 17.00 | 18.50B/*16.20A | 18.50B/*16.20A | ---- | 16.80 - 2.00 | .3207 | ---- | ---- | 12 | ---- | 1455 UNCH |
| 1315 | 15.70 | 15.70 | 16.00B/*15.10A | 16.00B/*15.10A | ---- | 15.60 - 1.90 | .3018 | ---- | ---- | 3 | ---- | 835 + 2 |
| 1320 | 14.70 | 14.70 | 14.70/*14.00A | 14.70/*14.00A | ---- | 14.50 - 1.80 | .2839 | ---- | ---- | 26 | ---- | 1035 + 13 |
| 1325 | ---- | ---- | ----/*13.10A | ----/*13.10A | ---- | 13.50 - 1.70 | .2672 | ---- | ---- | ---- | ---- | 1393 UNCH |
| 1330 | 13.80 | 13.80 | 13.80/*12.20A | 13.80/*12.20A | ---- | 12.60 - 1.60 | .2515 | ---- | ---- | 20 | ---- | 1027 UNCH |
| 1335 | ---- | ---- | ----/*11.30A | ----/*11.30A | ---- | 11.70 - 1.60 | .2362 | ---- | ---- | ---- | ---- | 1482 UNCH |
| 1340 | ---- | ---- | ----/*10.60A | ----/*10.60A | ---- | 10.90 - 1.50 | .2220 | ---- | ---- | 5 | ---- | 1348 UNCH |
| 1345 | 10.40 | 10.40 | 10.40/*9.90A | 10.40/*9.90A | ---- | 10.20 - 1.50 | .2090 | ---- | ---- | 102 | ---- | 1007 + 28 |
| 1350 | 10.30 | 10.30 | 10.60B/*9.20A | 10.60B/*9.20A | ---- | 9.60 - 1.30 | .1973 | ---- | ---- | 122 | 90 | 16833 + 196 |
| 1355 | 8.90 | 8.90 | 8.90/*8.60A | 8.90/*8.60A | ---- | 8.90 - 1.40 | .1849 | ---- | ---- | 3 | ---- | 1389 + 1 |
| 1360 | ---- | ---- | ----/*8.00A | ----/*8.00A | ---- | 8.40 - 1.20 | .1747 | ---- | ---- | ---- | ---- | 1511 UNCH |
| 1365 | ---- | ---- | ----/*7.50A | ----/*7.50A | ---- | 7.80 - 1.30 | .1637 | ---- | ---- | ---- | ---- | 598 UNCH |
| 1370 | ---- | ---- | ----/*7.10A | ----/*7.10A | ---- | 7.40 - 1.10 | .1552 | ---- | ---- | ---- | ---- | 1705 UNCH |
| 1375 | ---- | ---- | ----/*6.60A | ----/*6.60A | ---- | 6.90 - 1.10 | .1457 | ---- | ---- | 6 | ---- | 3809 UNCH |
| 1380 | 6.40 | 6.40 | 6.60B/*6.20A | 6.60B/*6.20A | ---- | 6.50 - 1.10 | .1376 | ---- | ---- | 1 | ---- | 1005 + 1 |
| 1385 | ---- | ---- | ----/*5.80A | ----/*5.80A | ---- | 6.10 - 1.00 | .1296 | ---- | ---- | ---- | ---- | 609 UNCH |
| 1390 | 5.60 | 5.60 | 5.80B/*5.50A | 5.80B/*5.50A | ---- | 5.80 - 0.90 | .1231 | ---- | ---- | 11 | ---- | 370 - 1 |
| 1395 | ---- | ---- | ----/*5.20A | ----/*5.20A | ---- | 5.40 - 0.90 | .1154 | ---- | ---- | ---- | ---- | 1310 UNCH |
| 1400 | 5.20 | 5.20 | 5.20/*4.90A | 5.20/*4.90A | ---- | 5.10 - 0.90 | .1091 | ---- | ---- | 182 | ---- | 5476 - 9 |
| 1405 | 4.70 | 4.70 | 4.80B/*4.60A | 4.80B/*4.60A | ---- | 4.80 - 0.80 | .1030 | ---- | ---- | 5 | ---- | 272 UNCH |
| 1410 | ---- | ---- | ----/*4.30A | ----/*4.30A | ---- | 4.50 - 0.80 | .0970 | ---- | ---- | ---- | ---- | 331 UNCH |
| 1415 | ---- | ---- | ----/*4.00A | ----/*4.00A | ---- | 4.30 - 0.80 | .0924 | ---- | ---- | ---- | ---- | 121 UNCH |
| 1420 | ---- | ---- | ----/*3.80A | ----/*3.80A | ---- | 4.10 - 0.70 | .0879 | ---- | ---- | ---- | ---- | 569 UNCH |
| 1425 | ---- | ---- | ----/*3.60A | ----/*3.60A | ---- | 3.80 - 0.80 | .0821 | ---- | ---- | 6 | ---- | 8721 + 6 |
| 1430 | ---- | ---- | ----/*3.40A | ----/*3.40A | ---- | 3.60 - 0.70 | .0778 | ---- | ---- | ---- | ---- | 1119 UNCH |
| 1435 | 3.30 | 3.30 | 3.40/*3.20A | 3.40/*3.20A | ---- | 3.40 - 0.70 | .0736 | ---- | ---- | 24 | ---- | 130 + 21 |
| 1440 | ---- | ---- | ----/*3.10A | ----/*3.10A | ---- | 3.30 - 0.60 | .0709 | ---- | ---- | 5 | ---- | 326 UNCH |
| 1445 | ---- | ---- | ----/*2.90A | ----/*2.90A | ---- | 3.10 - 0.60 | .0669 | ---- | ---- | ---- | ---- | 136 UNCH |
| 1450 | 2.90 | 2.90 | 2.90/*2.80 | 2.90/*2.80 | ---- | 2.90 - 0.60 | .0628 | ---- | ---- | 81 | ---- | 4952 + 44 |
| 1455 | ---- | ---- | ----/*2.60A | ----/*2.60A | ---- | 2.80 - 0.50 | .0604 | ---- | ---- | ---- | ---- | 246 UNCH |
| 1460 | ---- | ---- | ----/*2.50A | ----/*2.50A | ---- | 2.70 - 0.50 | .0579 | ---- | ---- | ---- | ---- | 979 UNCH |
| 1465 | 2.40 | 2.40 | 2.40/*2.40 | 2.40/*2.40 | ---- | 2.50 - 0.50 | .0541 | ---- | ---- | 36 | ---- | 1112 + 36 |
| 1470 | ---- | ---- | ----/*2.30A | ----/*2.30A | ---- | 2.40 - 0.50 | .0517 | ---- | ---- | ---- | ---- | 2332 UNCH |
| 1475 | ---- | ---- | ----/*2.20A | ----/*2.20A | ---- | 2.30 - 0.40 | .0495 | ---- | ---- | 3 | 50 | 4327 - 3 |
| 1480 | ---- | ---- | ----/*2.10A | ----/*2.10A | ---- | 2.20 - 0.40 | .0472 | ---- | ---- | ---- | ---- | 2235 UNCH |
| 1485 | ---- | ---- | ----/*2.00A | ----/*2.00A | ---- | 2.10 - 0.40 | .0450 | ---- | ---- | ---- | ---- | 950 UNCH |
| 1490 | ---- | ---- | ----/*1.90A | ----/*1.90A | ---- | 2.00 - 0.40 | .0429 | ---- | ---- | ---- | ---- | 64 UNCH |
| 1495 | 1.80 | 1.80 | 1.80/*1.80 | 1.80/*1.80 | ---- | 1.90 - 0.40 | .0407 | ---- | ---- | 88 | ---- | 395 + 71 |
| 1500 | 1.80 | 1.80 | 1.80/*1.80 | 1.80/*1.80 | ---- | 1.80 - 0.40 | .0386 | ---- | ---- | 103 | ---- | 11506 + 69 |
| 1505 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.70 - 0.40 | .0366 | ---- | ---- | ---- | ---- | 1028 UNCH |
| 1510 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.70 - 0.30 | .0361 | ---- | ---- | ---- | ---- | 125 UNCH |
| 1515 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.60 - 0.30 | .0341 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1520 | 1.50 | 1.50 | 1.50/*1.50 | 1.50/*1.50 | ---- | 1.50 - 0.30 | .0321 | ---- | ---- | 5 | ---- | 116 + 4 |
| 1525 | ---- | ---- | ----/*1.40A | ----/*1.40A | ---- | 1.40 - 0.40 | .0301 | ---- | ---- | ---- | ---- | 861 UNCH |
| 1530 | ---- | ---- | ----/*1.40A | ----/*1.40A | ---- | 1.40 - 0.30 | .0297 | ---- | ---- | ---- | ---- | 143 UNCH |
| 1535 | ---- | ---- | ----/*1.30A | ----/*1.30A | ---- | 1.30 - 0.30 | .0278 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1540 | ---- | ---- | ----/*1.30A | ----/*1.30A | ---- | 1.30 - 0.30 | .0275 | ---- | ---- | ---- | ---- | 92 UNCH |
| 1545 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.20 - 0.30 | .0255 | ---- | ---- | ---- | ---- | 84 UNCH |
| 1550 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.10 - 0.40 | .0236 | ---- | ---- | ---- | ---- | 5192 UNCH |
| 1555 | 1.10 | 1.10 | 1.10/*1.10 | 1.10/*1.10 | ---- | 1.10 - 0.30 | .0234 | ---- | ---- | 14 | ---- | 103 UNCH |
| 1560 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.10 - 0.30 | .0231 | ---- | ---- | ---- | ---- | 360 UNCH |
| 1565 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 1.00 - 0.30 | .0213 | ---- | ---- | ---- | ---- | 83 UNCH |
| 1570 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 1.00 - 0.30 | .0210 | ---- | ---- | ---- | ---- | 1095 UNCH |
| 1575 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 0.90 - 0.30 | .0192 | ---- | ---- | ---- | ---- | 3818 UNCH |
| 1580 | 0.90 | 0.90 | 0.90/*0.90 | 0.90/*0.90 | ---- | 0.90 - 0.30 | .0190 | ---- | ---- | 11 | ---- | 1382 UNCH |
| 1585 | ---- | ---- | ----/*0.90A | ----/*0.90A | ---- | 0.90 - 0.20 | .0188 | ---- | ---- | 133 | ---- | 227 + 133 |
| 1590 | ---- | ---- | ----/*0.90A | ----/*0.90A | ---- | 0.80 - 0.30 | .0170 | ---- | ---- | ---- | ---- | 257 UNCH |
| 1595 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.30 | .0168 | ---- | ---- | ---- | ---- | 197 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 1600 | 1.00 | 1.00 | 1.00/*0.80 | 1.00/*0.80 | ---- | 0.80 - 0.20 | .0166 | ---- | ---- | 118 | ---- | 7353 - 17 |
| 1605 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.80 - 0.20 | .0165 | ---- | ---- | ---- | ---- | 151 UNCH |
| 1610 | 0.80 | 0.80 | 0.80/*0.80 | 0.80/*0.80 | ---- | 0.70 - 0.20 | .0147 | ---- | ---- | 2 | ---- | 50 UNCH |
| 1615 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.70 - 0.20 | .0145 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1620 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.70 - 0.20 | .0144 | ---- | ---- | ---- | ---- | 86 UNCH |
| 1625 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.70 - 0.20 | .0143 | ---- | ---- | ---- | ---- | 513 UNCH |
| 1630 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.70 - 0.10 | .0141 | ---- | ---- | ---- | ---- | 83 UNCH |
| 1635 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.60 - 0.20 | .0124 | ---- | ---- | ---- | ---- | 51 UNCH |
| 1640 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.60 - 0.20 | .0123 | ---- | ---- | ---- | ---- | 826 UNCH |
| 1645 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.60 - 0.20 | .0122 | ---- | ---- | ---- | ---- | 38 UNCH |
| 1650 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.20 | .0121 | ---- | ---- | ---- | ---- | 2315 UNCH |
| 1655 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.10 | .0120 | ---- | ---- | ---- | ---- | 291 UNCH |
| 1660 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.10 | .0119 | ---- | ---- | ---- | ---- | 144 UNCH |
| 1665 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.10 | .0118 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1670 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.10 | .0117 | ---- | ---- | ---- | ---- | 466 UNCH |
| 1675 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.50 - 0.20 | .0100 | ---- | ---- | ---- | ---- | 1667 UNCH |
| 1680 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.50 - 0.20 | .0099 | ---- | ---- | ---- | ---- | 507 UNCH |
| 1685 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0098 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1690 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0098 | ---- | ---- | ---- | ---- | 326 UNCH |
| 1695 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0097 | ---- | ---- | ---- | ---- | 114 UNCH |
| 1700 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0096 | ---- | ---- | ---- | ---- | 3805 UNCH |
| 1705 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0095 | ---- | ---- | ---- | ---- | 72 UNCH |
| 1710 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0095 | ---- | ---- | ---- | ---- | 39 UNCH |
| 1715 | ---- | ---- | ----/*0.50A | ----/*0.50A | ---- | 0.50 - 0.10 | .0094 | ---- | ---- | ---- | ---- | 61 UNCH |
| 1720 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0093 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 0.50 UNCH | .0093 | ---- | ---- | ---- | ---- | 194 UNCH |
| 1730 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0077 | ---- | ---- | ---- | ---- | 17 UNCH |
| 1735 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0076 | ---- | ---- | ---- | ---- | 85 UNCH |
| 1745 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0075 | ---- | ---- | ---- | ---- | 47 UNCH |
| 1750 | 0.40 | 0.40 | 0.40/*0.40 | 0.40/*0.40 | ---- | 0.40 - 0.10 | .0075 | ---- | ---- | 1 | ---- | 2064 - 1 |
| 1755 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0074 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1760 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0074 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1765 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0073 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1770 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0073 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0072 | ---- | ---- | ---- | ---- | 105 UNCH |
| 1785 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0071 | ---- | ---- | ---- | ---- | 51 UNCH |
| 1790 | 0.20 | 0.20 | 0.20/*0.20 | 0.20/*0.20 | ---- | 0.30 - 0.10 | .0056 | ---- | ---- | 1 | ---- | 1 UNCH |
| 1795 | 0.40 | 0.40 | 0.40/*0.40 | 0.40/*0.40 | ---- | 0.30 - 0.10 | .0056 | ---- | ---- | 3 | ---- | 3 UNCH |
| 1800 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.30 - 0.10 | .0055 | ---- | ---- | 8 | ---- | 4957 UNCH |
| 1805 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.10 | .0055 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1810 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0054 | ---- | ---- | ---- | ---- | 52 UNCH |
| 1815 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0054 | ---- | ---- | ---- | ---- | 152 UNCH |
| 1820 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0054 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0054 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1835 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0053 | ---- | ---- | ---- | ---- | 43 UNCH |
| 1840 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0053 | ---- | ---- | ---- | ---- | 246 UNCH |
| 1845 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0052 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.30 UNCH | .0052 | ---- | ---- | ---- | ---- | 1045 UNCH |
| 1860 | ---- | ---- | ---- | ---- | ---- | 0.20 - 0.10 | .0037 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1870 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0036 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0036 | ---- | ---- | ---- | ---- | 118 UNCH |
| 1885 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0036 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1890 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0035 | ---- | ---- | ---- | ---- | 258 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0035 | ---- | ---- | ---- | ---- | 1184 UNCH |
| 1905 | 0.20 | 0.20 | 0.20/*0.20 | 0.20/*0.20 | ---- | 0.20 UNCH | .0035 | ---- | ---- | 10 | ---- | 206 + 10 |
| 1910 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0035 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1915 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0035 | ---- | ---- | ---- | ---- | 37 UNCH |
| 1920 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0034 | ---- | ---- | ---- | ---- | 31 UNCH |
| 1930 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0034 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1935 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0034 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1940 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0034 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1950 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0018 | ---- | ---- | ---- | ---- | 166 UNCH |
| 1960 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.10 | .0016 | ---- | ---- | ---- | ---- | 136 UNCH |
| 1970 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0015 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1975 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0014 | ---- | ---- | ---- | ---- | 17 UNCH |
| 1980 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0013 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1990 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.10 UNCH | .0011 | ---- | ---- | 10 | ---- | 31 + 10 |
| 2000 | 0.10 | 0.10 | 0.10/*0.10 | 0.10/*0.10 | ---- | 0.10 UNCH | .0010 | ---- | ---- | 14 | ---- | 9913 - 2 |
| 2010 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0009 | ---- | ---- | ---- | ---- | 148 UNCH |
| 2025 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0007 | ---- | ---- | ---- | ---- | 13 UNCH |
| 2030 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0007 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0005 | ---- | ---- | ---- | ---- | 287 UNCH |
| 2075 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0004 | ---- | ---- | ---- | ---- | 47 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0003 | ---- | ---- | ---- | ---- | 659 UNCH |
| 2125 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0002 | ---- | ---- | ---- | ---- | 52 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 22 UNCH |
| 2175 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 52 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0001 | ---- | ---- | ---- | ---- | 154 UNCH |
| 2225 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 74 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 781 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0000 | ---- | ---- | ---- | ---- | 503 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 7982 UNCH |
| 2610 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 5 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | ---- | ---- | ---- | ---- | ---- | 15000 UNCH |
| TOTAL | | | | | | | | | | 1639 | 190 | 188088 + 851 |
| JAN19 | | | | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | ---- | 374.10 - 3.80 | .9963 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1150 | ---- | ---- | 131.00B/*124.20 | 131.00B/*124.20A | ---- | 127.10 - 3.80 | .9173 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1200 | ---- | ---- | 86.90B/*80.60A | 86.90B/*80.60A | ---- | 82.90 - 3.60 | .8142 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1220 | ---- | ---- | 71.10B/*65.30A | 71.10B/*65.30A | ---- | 67.30 - 3.50 | .7485 | ---- | ---- | ---- | ---- | 300 UNCH |
| 1230 | ---- | ---- | 63.70B/*58.30A | 63.70B/*58.30A | ---- | 60.20 - 3.40 | .7097 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1250 | ---- | ---- | 50.60B/*45.70A | 50.60B/*45.70A | ---- | 47.30 NEW | .6241 | ---- | ---- | 44 | ---- | 44 + 44 |
| 1280 | 34.30 | 34.30 | 34.80B/*31.00A | 34.80B/*31.00A | ---- | 32.10 NEW | .4867 | ---- | ---- | 6 | ---- | 6 + 6 |
| 1285 | ---- | ---- | ----/*29.00A | ----/*29.00A | ---- | 30.00 - 2.70 | .4643 | ---- | ---- | ---- | ---- | 102 UNCH |
| 1290 | ---- | ---- | ----/*27.20A | ----/*27.20A | ---- | 28.10 - 2.60 | .4425 | ---- | ---- | ---- | ---- | 14 UNCH |
| 1295 | ---- | ---- | ----/*25.50A | ----/*25.50A | ---- | 26.30 - 2.60 | .4212 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1300 | ---- | ---- | ----/*23.90A | ----/*23.90A | ---- | 24.60 - 2.50 | .4005 | ---- | ---- | 44 | ---- | 315 + 44 |
| 1305 | ---- | ---- | ----/*22.40A | ----/*22.40A | ---- | 23.10 - 2.40 | .3808 | ---- | ---- | ---- | ---- | 47 UNCH |
| 1310 | ---- | ---- | ----/*21.00A | ----/*21.00A | ---- | 21.60 - 2.30 | .3614 | ---- | ---- | ---- | ---- | 23 UNCH |
| 1315 | ---- | ---- | ----/*19.70A | ----/*19.70A | ---- | 20.30 - 2.20 | .3433 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1320 | 19.20 | 19.20 | 19.40B/*18.40A | 19.40B/*18.40A | ---- | 19.00 - 2.20 | .3255 | ---- | ---- | 3 | ---- | 5 + 3 |
| 1325 | ---- | ---- | ----/*17.30A | ----/*17.30A | ---- | 17.80 - 2.10 | .3085 | ---- | ---- | ---- | ---- | 88 UNCH |
| 1330 | ---- | ---- | ----/*16.20A | ----/*16.20A | ---- | 16.70 - 2.10 | .2924 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1335 | ---- | ---- | ----/*15.30A | ----/*15.30A | ---- | 15.70 - 2.00 | .2772 | ---- | ---- | ---- | ---- | 35 UNCH |
| 1340 | ---- | ---- | ----/*14.30A | ----/*14.30A | ---- | 14.80 - 1.90 | .2631 | ---- | ---- | ---- | ---- | 103 UNCH |
| 1345 | ---- | ---- | ----/*13.50A | ----/*13.50A | ---- | 13.90 - 1.90 | .2492 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1350 | 14.10 | 14.10 | 14.40B/*12.70A | 14.40B/*12.70A | ---- | 13.10 - 1.80 | .2364 | ---- | ---- | 1 | ---- | 467 - 1 |
| 1355 | ---- | ---- | ----/*12.00A | ----/*12.00A | ---- | 12.40 - 1.70 | .2246 | ---- | ---- | ---- | ---- | 31 UNCH |
| 1360 | ---- | ---- | ----/*11.30A | ----/*11.30A | ---- | 11.70 - 1.60 | .2130 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1365 | ---- | ---- | ----/*10.60A | ----/*10.60A | ---- | 11.00 - 1.60 | .2017 | ---- | ---- | ---- | ---- | 44 UNCH |
| 1370 | ---- | ---- | ----/*10.00A | ----/*10.00A | ---- | 10.40 - 1.50 | .1915 | ---- | ---- | ---- | ---- | 59 UNCH |
| 1375 | ---- | ---- | ----/*9.40A | ----/*9.40A | ---- | 9.80 - 1.50 | .1815 | ---- | ---- | ---- | ---- | 291 UNCH |
| 1380 | 9.10 | 9.10 | 9.30B/*8.90A | 9.30B/*8.90A | ---- | 9.30 - 1.40 | .1726 | ---- | ---- | 6 | ---- | 36 + 6 |
| 1385 | ---- | ---- | ----/*8.40A | ----/*8.40A | ---- | 8.70 - 1.40 | .1629 | ---- | ---- | ---- | ---- | 595 UNCH |
| 1390 | 7.70 | 7.70 | 7.70/*7.70 | 7.70/*7.70 | ---- | 8.30 - 1.30 | .1554 | ---- | ---- | 3 | ---- | 47 + 3 |
| 1395 | 7.80 | 7.80 | 7.90B/*7.50A | 7.90B/*7.50A | ---- | 7.80 NEW | .1469 | ---- | ---- | 4 | ---- | 4 + 4 |
| 1400 | 8.60 | 8.60 | 8.60/*7.00A | 8.60/*7.00A | ---- | 7.40 - 1.30 | .1397 | ---- | ---- | 2 | ---- | 301 UNCH |
| 1420 | 6.90 | 6.90 | 7.00/*5.60A | 7.00/*5.60A | ---- | 6.00 - 1.10 | .1142 | ---- | ---- | 3 | ---- | 300 UNCH |
| 1425 | 5.60 | 5.60 | 5.70B/*5.30A | 5.70B/*5.30A | ---- | 5.70 - 1.00 | .1087 | ---- | ---- | 5 | ---- | 58 + 5 |
| 1430 | ---- | ---- | ----/*5.10A | ----/*5.10A | ---- | 5.40 - 1.00 | .1033 | ---- | ---- | 5 | ---- | 20 + 5 |
| 1435 | ---- | ---- | ----/*4.80A | ----/*4.80A | ---- | 5.10 - 1.00 | .0979 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1440 | ---- | ---- | ----/*4.60A | ----/*4.60A | ---- | 4.90 - 0.90 | .0939 | ---- | ---- | ---- | ---- | 16 UNCH |
| 1445 | 4.30 | 4.30 | 4.30/*4.30 | 4.30/*4.30 | ---- | 4.70 - 0.80 | .0899 | ---- | ---- | 44 | ---- | 44 + 12 |
| 1450 | 4.90 | 4.90 | 4.90/*4.10A | 4.90/*4.10A | ---- | 4.40 - 0.90 | .0847 | ---- | ---- | 3 | ---- | 55 UNCH |
| 1455 | ---- | ---- | ----/*3.90A | ----/*3.90A | ---- | 4.20 - 0.80 | .0809 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1460 | ---- | ---- | ----/*3.70A | ----/*3.70A | ---- | 4.00 - 0.80 | .0771 | ---- | ---- | 65 | ---- | 141 + 60 |
| 1465 | 3.80 | 3.80 | 3.80/*3.50 | 3.80/*3.50 | ---- | 3.80 - 0.80 | .0734 | ---- | ---- | 103 | ---- | 106 + 103 |
| 1470 | ---- | ---- | ----/*3.40A | ----/*3.40A | ---- | 3.70 - 0.70 | .0710 | ---- | ---- | ---- | ---- | 23 UNCH |
| 1475 | ---- | ---- | ----/*3.20A | ----/*3.20A | ---- | 3.50 - 0.70 | .0674 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1480 | ---- | ---- | ----/*3.10A | ----/*3.10A | ---- | 3.30 - 0.70 | .0638 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1485 | ---- | ---- | ----/*3.00A | ----/*3.00A | ---- | 3.20 - 0.60 | .0616 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1490 | ---- | ---- | ----/*2.80A | ----/*2.80A | ---- | 3.10 - 0.60 | .0595 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1495 | ---- | ---- | ----/*2.70A | ----/*2.70A | ---- | 2.90 - 0.60 | .0560 | ---- | ---- | ---- | ---- | 63 UNCH |
| 1500 | 3.00 | 3.00 | 3.00/*2.50A | 3.00/*2.50A | ---- | 2.80 - 0.60 | .0539 | ---- | ---- | 1 | ---- | 83 UNCH |
| 1505 | ---- | ---- | ----/*2.50A | ----/*2.50A | ---- | 2.70 - 0.50 | .0519 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1510 | ---- | ---- | ----/*2.40A | ----/*2.40A | ---- | 2.60 - 0.50 | .0499 | ---- | ---- | ---- | ---- | 21 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| JAN19 | | | | | | | | | | | | |
| 1520 | ---- | ---- | ----/*2.20A | ----/*2.20A | ---- | 2.40 - 0.40 | .0459 | ---- | ---- | ---- | ---- | 34 UNCH |
| 1525 | ---- | ---- | ----/*2.20A | ----/*2.20A | ---- | 2.30 - 0.40 | .0440 | ---- | ---- | ---- | ---- | 1000 UNCH |
| 1535 | ---- | ---- | ----/*2.00A | ----/*2.00A | ---- | 2.10 - 0.40 | .0402 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1540 | 1.80 | 1.80 | 1.80/*1.80 | 1.80/*1.80 | ---- | 2.00 - 0.40 | .0384 | ---- | ---- | 3 | ---- | 10 UNCH |
| 1545 | ---- | ---- | ----/*1.90A | ----/*1.90A | ---- | 1.90 - 0.40 | .0365 | ---- | ---- | ---- | ---- | 54 UNCH |
| 1550 | ---- | ---- | ----/*1.80A | ----/*1.80A | ---- | 1.80 - 0.40 | .0347 | ---- | ---- | 1 | ---- | 460 UNCH |
| 1555 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.80 - 0.30 | .0343 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1560 | 1.70 | 1.70 | 1.70/*1.70 | 1.70/*1.70 | ---- | 1.70 - 0.40 | .0325 | ---- | ---- | 3 | ---- | 4 + 3 |
| 1580 | ---- | ---- | ----/*1.50A | ----/*1.50A | ---- | 1.50 - 0.30 | .0284 | ---- | ---- | ---- | ---- | 57 UNCH |
| 1585 | ---- | ---- | ----/*1.40A | ----/*1.40A | ---- | 1.40 - 0.30 | .0267 | ---- | ---- | ---- | ---- | 34 UNCH |
| 1590 | ---- | ---- | ----/*1.40A | ----/*1.40A | ---- | 1.40 - 0.20 | .0264 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1595 | ---- | ---- | ----/*1.30A | ----/*1.30A | ---- | 1.30 - 0.30 | .0247 | ---- | ---- | ---- | ---- | 111 UNCH |
| 1600 | ---- | ---- | ----/*1.30A | ----/*1.30A | ---- | 1.30 - 0.20 | .0245 | ---- | ---- | ---- | ---- | 223 UNCH |
| 1610 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.20 - 0.20 | .0226 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1625 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.10 - 0.20 | .0206 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1630 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.00 - 0.20 | .0189 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1650 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 0.90 - 0.20 | .0168 | ---- | ---- | ---- | ---- | 67 UNCH |
| 1660 | 0.90 | 0.90 | 0.90/*0.90 | 0.90/*0.90 | ---- | 0.90 - 0.10 | .0166 | ---- | ---- | 5 | ---- | 27 + 5 |
| 1670 | ---- | ---- | ----/*0.90A | ----/*0.90A | ---- | 0.80 - 0.20 | .0149 | ---- | ---- | ---- | ---- | 36 UNCH |
| 1675 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.10 | .0147 | ---- | ---- | ---- | ---- | 108 UNCH |
| 1680 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.10 | .0146 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1690 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.70 - 0.20 | .0129 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 0.70 - 0.10 | .0127 | ---- | ---- | 20 | ---- | 434 + 20 |
| 1725 | ---- | ---- | ---- | ---- | ---- | 0.60 - 0.10 | .0109 | ---- | ---- | ---- | ---- | 86 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.40 - 0.10 | .0071 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.40 UNCH | .0067 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1875 | ---- | ---- | ----/*0.30A | ----/*0.30A | ---- | 0.30 - 0.10 | .0051 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1900 | 0.30 | 0.30 | 0.30/*0.30 | 0.30/*0.30 | ---- | 0.30 UNCH | .0050 | ---- | ---- | 1 | ---- | 1 + 1 |
| TOTAL | | | | | | | | | | 375 | | 7168 + 323 |
| FEB19 | | | | | | | | | | | | |
| 1150 | ---- | ---- | ----/*125.40A | ----/*125.40A | ---- | 128.10 - 3.80 | .9035 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1200 | ---- | ---- | 88.90B/*82.70A | 88.90B/*82.70A | ---- | 85.00 - 3.50 | .7963 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1215 | ---- | ---- | 77.20B/*71.50A | 77.20B/*71.50A | ---- | 73.40 - 3.50 | .7492 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1225 | ---- | ---- | 69.90B/*64.50A | 69.90B/*64.50A | ---- | 66.30 - 3.40 | .7144 | ---- | ---- | ---- | ---- | 58 UNCH |
| 1230 | ---- | ---- | 66.60B/*61.20A | 66.60B/*61.20A | ---- | 62.90 - 3.40 | .6955 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1250 | ---- | ---- | 53.70B/*48.90A | 53.70B/*48.90A | ---- | 50.40 - 3.20 | .6160 | ---- | ---- | 42 | ---- | 44 + 42 |
| 1270 | ---- | ---- | ----/*38.70A | ----/*38.70A | ---- | 39.90 - 3.10 | .5320 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1275 | ---- | ---- | ----/*36.50A | ----/*36.50A | ---- | 37.70 - 2.90 | .5111 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1280 | ---- | ---- | ----/*34.40A | ----/*34.40A | ---- | 35.50 - 2.90 | .4904 | ---- | ---- | ---- | ---- | 16 UNCH |
| 1290 | ---- | ---- | ----/*30.60A | ----/*30.60A | ---- | 31.50 - 2.80 | .4501 | ---- | ---- | ---- | ---- | 85 UNCH |
| 1300 | ---- | ---- | ----/*27.10A | ----/*27.10A | ---- | 28.00 - 2.60 | .4118 | ---- | ---- | 52 | ---- | 107 + 47 |
| 1305 | 26.30 | 26.30 | 26.60B/*25.50A | 26.60B/*25.50A | ---- | 26.40 - 2.50 | .3934 | ---- | ---- | 18 | ---- | 125 UNCH |
| 1310 | 24.80 | 24.80 | 25.10B/*24.10A | 25.10B/*24.10A | ---- | 24.80 - 2.50 | .3753 | ---- | ---- | 20 | ---- | 90 UNCH |
| 1315 | ---- | ---- | ----/*22.70A | ----/*22.70A | ---- | 23.40 - 2.40 | .3581 | ---- | ---- | ---- | ---- | 82 UNCH |
| 1320 | ---- | ---- | ----/*21.40A | ----/*21.40A | ---- | 22.10 - 2.30 | .3417 | ---- | ---- | ---- | ---- | 176 UNCH |
| 1325 | ---- | ---- | ----/*20.20A | ----/*20.20A | ---- | 20.90 - 2.20 | .3261 | ---- | ---- | ---- | ---- | 416 UNCH |
| 1330 | ---- | ---- | ----/*19.10A | ----/*19.10A | ---- | 19.70 - 2.20 | .3107 | ---- | ---- | ---- | ---- | 172 UNCH |
| 1335 | ---- | ---- | ----/*18.10A | ----/*18.10A | ---- | 18.60 - 2.10 | .2960 | ---- | ---- | ---- | ---- | 121 UNCH |
| 1340 | ---- | ---- | ----/*17.10A | ----/*17.10A | ---- | 17.60 - 2.00 | .2823 | ---- | ---- | 10 | ---- | 15 + 10 |
| 1345 | ---- | ---- | ----/*16.10A | ----/*16.10A | ---- | 16.60 - 2.00 | .2687 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1350 | ---- | ---- | ----/*15.30A | ----/*15.30A | ---- | 15.70 - 1.90 | .2560 | ---- | ---- | ---- | ---- | 1030 UNCH |
| 1355 | ---- | ---- | ----/*14.40A | ----/*14.40A | ---- | 14.90 - 1.80 | .2442 | ---- | ---- | ---- | ---- | 53 UNCH |
| 1360 | ---- | ---- | ----/*13.60A | ----/*13.60A | ---- | 14.10 - 1.80 | .2326 | ---- | ---- | ---- | ---- | 106 UNCH |
| 1365 | ---- | ---- | ----/*12.90A | ----/*12.90A | ---- | 13.30 - 1.80 | .2212 | ---- | ---- | ---- | 50 | 276 + 2 |
| 1370 | ---- | ---- | ----/*12.20A | ----/*12.20A | ---- | 12.60 - 1.70 | .2108 | ---- | ---- | ---- | ---- | 204 UNCH |
| 1375 | ---- | ---- | ----/*11.60A | ----/*11.60A | ---- | 12.00 - 1.60 | .2013 | ---- | ---- | ---- | ---- | 1021 UNCH |
| 1380 | ---- | ---- | ----/*11.00A | ----/*11.00A | ---- | 11.40 - 1.50 | .1920 | ---- | ---- | ---- | ---- | 350 UNCH |
| 1385 | ---- | ---- | ----/*10.40A | ----/*10.40A | ---- | 10.80 - 1.50 | .1829 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1390 | ---- | ---- | ----/*9.90A | ----/*9.90A | ---- | 10.20 - 1.50 | .1739 | ---- | ---- | ---- | ---- | 540 UNCH |
| 1395 | ---- | ---- | ----/*9.40A | ----/*9.40A | ---- | 9.70 - 1.40 | .1659 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1400 | ---- | ---- | ----/*8.90A | ----/*8.90A | ---- | 9.30 - 1.30 | .1590 | ---- | ---- | 5 | ---- | 1115 + 5 |
| 1405 | ---- | ---- | ----/*8.50A | ----/*8.50A | ---- | 8.80 - 1.30 | .1513 | ---- | ---- | ---- | ---- | 176 UNCH |
| 1410 | 8.60 | 8.60 | 9.30B/*8.00 | 9.30B/*8.00 | ---- | 8.40 - 1.20 | .1446 | ---- | ---- | 58 | ---- | 687 + 52 |
| 1420 | 7.60 | 7.60 | 7.80B/*7.30A | 7.80B/*7.30A | ---- | 7.60 - 1.20 | .1317 | ---- | ---- | 1 | ---- | 10 + 1 |
| 1425 | ---- | ---- | ----/*7.00A | ----/*7.00A | ---- | 7.30 - 1.10 | .1264 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1430 | 7.20 | 7.20 | 7.20/*6.70A | 7.20/*6.70A | ---- | 7.00 - 1.00 | .1212 | ---- | ---- | 6 | ---- | 36 - 4 |
| 1435 | ---- | ---- | ----/*6.30A | ----/*6.30A | ---- | 6.60 - 1.10 | .1150 | ---- | ---- | ---- | ---- | 360 UNCH |
| 1450 | 6.70 | 6.70 | 6.70/*5.50A | 6.70/*5.50A | ---- | 5.80 - 0.90 | .1012 | ---- | ---- | 6 | 100 | 1019 + 50 |
| 1455 | ---- | ---- | ----/*5.20A | ----/*5.20A | ---- | 5.60 - 0.80 | .0975 | ---- | ---- | ---- | ---- | 54 UNCH |
| 1460 | 5.20 | 5.20 | 5.40B/*5.00A | 5.40B/*5.00A | ---- | 5.30 - 0.90 | .0927 | ---- | ---- | 1 | ---- | 24 + 1 |
| 1470 | 4.70 | 4.70 | 4.90B/*4.50A | 4.90B/*4.50A | ---- | 4.90 - 0.80 | .0856 | ---- | ---- | 1 | ---- | 26 UNCH |
| 1475 | ---- | ---- | ----/*4.30A | ----/*4.30A | ---- | 4.70 - 0.70 | .0821 | ---- | ---- | ---- | ---- | 1627 UNCH |
| 1480 | ---- | ---- | ----/*4.10A | ----/*4.10A | ---- | 4.50 - 0.70 | .0787 | ---- | ---- | ---- | ---- | 500 UNCH |
| 1485 | ---- | ---- | ----/*3.90A | ----/*3.90A | ---- | 4.30 - 0.70 | .0753 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1490 | ---- | ---- | ----/*3.80A | ----/*3.80A | ---- | 4.10 - 0.70 | .0720 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1495 | ---- | ---- | ----/*3.60A | ----/*3.60A | ---- | 4.00 - 0.60 | .0699 | ---- | ---- | ---- | ---- | 157 UNCH |
| 1500 | 4.20 | 4.20 | 4.20/*3.30 | 4.20/*3.30 | ---- | 3.80 - 0.60 | .0666 | ---- | ---- | 2003 | ---- | 4437 + 1950 |
| 1505 | 3.50 | 3.50 | 3.50/*3.30 | 3.50/*3.30 | ---- | 3.60 - 0.70 | .0634 | ---- | ---- | 79 | ---- | 81 + 79 |
| 1510 | ---- | ---- | ----/*3.20A | ----/*3.20A | ---- | 3.50 - 0.60 | .0614 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1515 | ---- | ---- | ----/*3.00A | ----/*3.00A | ---- | 3.40 - 0.50 | .0595 | ---- | ---- | ---- | ---- | 455 UNCH |
| 1520 | ---- | ---- | ----/*2.90A | ----/*2.90A | ---- | 3.20 - 0.60 | .0563 | ---- | ---- | ---- | ---- | 57 UNCH |
| 1525 | ---- | ---- | ----/*2.90A | ----/*2.90A | ---- | 3.10 - 0.50 | .0544 | ---- | ---- | ---- | ---- | 700 UNCH |
| 1530 | ---- | ---- | ----/*2.80A | ----/*2.80A | ---- | 3.00 - 0.50 | .0526 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1535 | ---- | ---- | ----/*2.70A | ----/*2.70A | ---- | 2.90 - 0.50 | .0507 | ---- | ---- | ---- | ---- | 18 UNCH |
| 1540 | ---- | ---- | ----/*2.60A | ----/*2.60A | ---- | 2.80 - 0.40 | .0489 | ---- | ---- | ---- | ---- | 351 UNCH |
| 1545 | ---- | ---- | ----/*2.50A | ----/*2.50A | ---- | 2.70 - 0.40 | .0472 | ---- | ---- | ---- | ---- | 38 UNCH |
| 1550 | ---- | ---- | ----/*2.40A | ----/*2.40A | ---- | 2.60 - 0.40 | .0454 | ---- | ---- | ---- | ---- | 448 UNCH |
| 1570 | ---- | ---- | ----/*2.10A | ----/*2.10A | ---- | 2.20 - 0.40 | .0386 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1575 | ---- | ---- | ----/*2.10A | ----/*2.10A | ---- | 2.10 - 0.40 | .0369 | ---- | ---- | ---- | ---- | 35 UNCH |
| 1595 | ---- | ---- | ----/*1.80A | ----/*1.80A | ---- | 1.80 - 0.40 | .0317 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1600 | ---- | ---- | ----/*1.80A | ----/*1.80A | ---- | 1.80 - 0.30 | .0314 | ---- | ---- | ---- | ---- | 2825 UNCH |
| 1610 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.60 - 0.40 | .0282 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1630 | ---- | ---- | ----/*1.50A | ----/*1.50A | ---- | 1.40 - 0.30 | .0246 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1650 | ---- | ---- | ----/*1.30A | ----/*1.30A | ---- | 1.30 - 0.20 | .0224 | ---- | ---- | ---- | ---- | 672 UNCH |
| 1660 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.20 - 0.20 | .0208 | ---- | ---- | ---- | ---- | 280 UNCH |
| 1675 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.10 - 0.20 | .0189 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1700 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 0.90 - 0.20 | .0156 | ---- | ---- | ---- | ---- | 1207 UNCH |
| 1725 | 0.90 | 0.90 | 0.90/*0.90 | 0.90/*0.90 | ---- | 0.80 - 0.20 | .0137 | ---- | ---- | 46 | ---- | 120 + 46 |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.10 | .0132 | ---- | ---- | ---- | ---- | 242 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 0.70 - 0.10 | .0115 | ---- | ---- | ---- | ---- | 43 UNCH |
| 1800 | ---- | ---- | ----/*0.70A | ----/*0.70A | ---- | 0.60 - 0.20 | .0099 | ---- | ---- | ---- | ---- | 1511 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.60 - 0.10 | .0096 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1850 | ---- | ---- | ----/*0.60A | ----/*0.60A | ---- | 0.60 - 0.10 | .0093 | ---- | ---- | ---- | ---- | 197 UNCH |
| TOTAL | | | | | | | | | | 2348 | 150 | 25331 + 2281 |
| MAR19 | | | | | | | | | | | | |
| 1220 | ---- | ---- | 80.30B/*74.70A | 80.30B/*74.70A | ---- | 76.60 - 3.50 | .7388 | ---- | ---- | ---- | ---- | 21 UNCH |
| 1255 | ---- | ---- | 57.30B/*52.40A | 57.30B/*52.40A | ---- | 54.00 - 3.20 | .6136 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1265 | ---- | ---- | 51.80B/*47.00A | 51.80B/*47.00A | ---- | 48.60 - 3.10 | .5751 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1270 | ---- | ---- | 49.10B/*44.60A | 49.10B/*44.60A | ---- | 46.00 - 3.00 | .5556 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1295 | ---- | ---- | ----/*34.10A | ----/*34.10A | ---- | 35.00 - 2.80 | .4601 | ---- | ---- | ---- | ---- | 207 UNCH |
| 1300 | ---- | ---- | ----/*32.30A | ----/*32.30A | ---- | 33.20 - 2.60 | .4420 | ---- | ---- | ---- | ---- | 202 UNCH |
| 1320 | ---- | ---- | ----/*26.10A | ----/*26.10A | ---- | 26.70 - 2.50 | .3739 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1325 | 25.30 | 25.30 | 25.90B/*24.70A | 25.90B/*24.70A | ---- | 25.30 NEW | .3581 | ---- | ---- | 27 | ---- | 27 + 27 |
| 1330 | 24.00 | 24.00 | 24.50B/*23.40A | 24.50B/*23.40A | ---- | 24.00 NEW | .3430 | ---- | ---- | 3 | ---- | 3 + 3 |
| 1335 | 22.70 | 22.70 | 23.00B/*22.20A | 23.00B/*22.20A | ---- | 22.80 NEW | .3286 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1345 | ---- | ---- | ----/*20.00A | ----/*20.00A | ---- | 20.60 - 2.10 | .3014 | ---- | ---- | ---- | ---- | 33 UNCH |
| 1350 | ---- | ---- | ----/*19.00A | ----/*19.00A | ---- | 19.50 - 2.10 | .2881 | ---- | ---- | ---- | ---- | 5080 UNCH |
| 1360 | ---- | ---- | ----/*17.20A | ----/*17.20A | ---- | 17.70 - 1.90 | .2643 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1365 | ---- | ---- | ----/*16.30A | ----/*16.30A | ---- | 16.80 - 1.90 | .2528 | ---- | ---- | ---- | ---- | 14 UNCH |
| 1370 | ---- | ---- | ----/*15.50A | ----/*15.50A | ---- | 16.00 - 1.80 | .2420 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1375 | ---- | ---- | ----/*14.70A | ----/*14.70A | ---- | 15.20 - 1.80 | .2314 | ---- | ---- | ---- | ---- | 205 UNCH |
| 1390 | ---- | ---- | ----/*12.70A | ----/*12.70A | ---- | 13.20 - 1.50 | .2034 | ---- | ---- | ---- | ---- | 23 UNCH |
| 1395 | ---- | ---- | ----/*12.10A | ----/*12.10A | ---- | 12.50 - 1.60 | .1941 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1400 | ---- | ---- | ----/*11.60A | ----/*11.60A | ---- | 12.00 - 1.40 | .1865 | ---- | ---- | ---- | ---- | 4264 UNCH |
| 1415 | ---- | ---- | ----/*10.00A | ----/*10.00A | ---- | 10.40 - 1.30 | .1636 | ---- | ---- | ---- | ---- | 72 UNCH |
| 1420 | ---- | ---- | ----/*9.60A | ----/*9.60A | ---- | 9.90 - 1.30 | .1565 | ---- | ---- | ---- | ---- | 42 UNCH |
| 1425 | 9.50 | 9.50 | 9.60B/*9.20A | 9.60B/*9.20A | ---- | 9.50 - 1.30 | .1503 | ---- | ---- | 1 | ---- | 1606 + 1 |
| 1430 | ---- | ---- | ----/*8.80A | ----/*8.80A | ---- | 9.10 - 1.20 | .1443 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1440 | 9.00 | 9.00 | 9.00/*8.00A | 9.00/*8.00A | ---- | 8.30 - 1.20 | .1324 | ---- | ---- | 3 | ---- | 3 UNCH |
| 1450 | 7.50 | 7.50 | 7.60B/*7.40A | 7.60B/*7.40A | ---- | 7.60 - 1.10 | .1218 | ---- | ---- | 1 | ---- | 8612 UNCH |
| 1460 | ---- | ---- | ----/*6.80A | ----/*6.80A | ---- | 7.00 - 1.00 | .1124 | ---- | ---- | ---- | ---- | 148 UNCH |
| 1475 | ---- | ---- | ----/*6.00A | ----/*6.00A | ---- | 6.20 - 0.90 | .0999 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1480 | 6.00 | 6.00 | 6.00/*5.70A | 6.00/*5.70A | ---- | 6.00 - 0.80 | .0965 | ---- | ---- | 1 | ---- | 39 + 1 |
| 1500 | 5.00 | 5.00 | 5.10B/*4.90A | 5.10B/*4.90A | ---- | 5.10 - 0.80 | .0824 | ---- | ---- | 1 | ---- | 12164 + 1 |
| 1505 | ---- | ---- | ----/*4.70A | ----/*4.70A | ---- | 4.90 - 0.80 | .0792 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1525 | 3.90 | 3.90 | 3.90/*3.90 | 3.90/*3.90 | ---- | 4.30 NEW | .0692 | ---- | ---- | 15 | ---- | 15 + 15 |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| MAR19 | | | | | | | | | | | | |
| 1530 | 3.70 | 3.70 | 3.70/*3.70 | 3.70/*3.70 | ---- | 4.10 NEW | .0662 | ---- | ---- | 26 | ---- | 26 + 26 |
| 1535 | ---- | ---- | ----/*3.80A | ----/*3.80A | ---- | 4.00 - 0.50 | .0644 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1545 | ---- | ---- | ----/*3.50A | ----/*3.50A | ---- | 3.70 - 0.50 | .0597 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1550 | 3.30 | 3.30 | 3.30/*3.20 | 3.30/*3.20 | ---- | 3.60 - 0.50 | .0579 | ---- | ---- | 17 | ---- | 417 + 17 |
| 1555 | 3.10 | 3.10 | 3.10/*3.10 | 3.10/*3.10 | ---- | 3.50 NEW | .0562 | ---- | ---- | 24 | ---- | 24 + 24 |
| 1560 | ---- | ---- | ----/*3.20A | ----/*3.20A | ---- | 3.40 - 0.40 | .0545 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1575 | ---- | ---- | ----/*2.90A | ----/*2.90A | ---- | 3.00 - 0.50 | .0484 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1595 | ---- | ---- | ----/*2.60A | ----/*2.60A | ---- | 2.70 - 0.40 | .0431 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1600 | 2.50 | 2.50 | 2.50/*2.50 | 2.50/*2.50 | ---- | 2.60 - 0.40 | .0416 | ---- | ---- | 4 | ---- | 5380 + 4 |
| 1610 | ---- | ---- | ----/*2.30A | ----/*2.30A | ---- | 2.40 - 0.40 | .0385 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1650 | ---- | ---- | ----/*1.80A | ----/*1.80A | ---- | 1.90 - 0.30 | .0302 | ---- | ---- | ---- | ---- | 2400 UNCH |
| 1660 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.80 - 0.30 | .0285 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1690 | 1.40 | 1.40 | 1.40/*1.40 | 1.40/*1.40 | ---- | 1.50 NEW | .0237 | ---- | ---- | 9 | ---- | 9 + 9 |
| 1700 | ---- | ---- | ----/*1.40A | ----/*1.40A | ---- | 1.40 - 0.30 | .0222 | ---- | ---- | ---- | ---- | 193 UNCH |
| 1725 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.30 - 0.30 | .0202 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1750 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.10 - 0.30 | .0172 | ---- | ---- | ---- | ---- | 4100 UNCH |
| 1775 | 0.90 | 0.90 | 1.00/*0.90 | 1.00/*0.90 | ---- | 1.00 - 0.30 | .0154 | ---- | ---- | 29 | ---- | 29 + 11 |
| 1800 | ---- | ---- | ----/*1.00A | ----/*1.00A | ---- | 0.90 - 0.30 | .0138 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1825 | 1.00 | 1.00 | 1.00/*0.90A | 1.00/*0.90A | ---- | 0.80 - 0.30 | .0122 | ---- | ---- | 500 | ---- | 520 UNCH |
| 1900 | ---- | ---- | ----/*0.80A | ----/*0.80A | ---- | 0.60 - 0.30 | .0089 | ---- | ---- | ---- | ---- | 99 UNCH |
| TOTAL | | | | | | | | | | 671 | | 46457 + 149 |
| APR19 | | | | | | | | | | | | |
| 1140 | ---- | ---- | ----/*141.80A | ----/*141.80A | ---- | 144.50 - 3.80 | .9026 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1175 | ---- | ---- | 117.90B/*111.30 | 117.90B/*111.30A | ---- | 113.80 - 3.70 | .8439 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1180 | ---- | ---- | 113.70B/*107.10 | 113.70B/*107.10A | ---- | 109.70 - 3.70 | .8332 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1200 | ---- | ---- | 97.50B/*91.50A | 97.50B/*91.50A | ---- | 93.70 - 3.60 | .7841 | ---- | ---- | ---- | ---- | 14 UNCH |
| 1220 | ---- | ---- | 82.60B/*77.10A | 82.60B/*77.10A | ---- | 79.00 - 3.50 | .7262 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1240 | 66.20 | 66.20 | 69.30B/*63.60 | 69.30B/*63.60 | ---- | 65.80 - 3.30 | .6606 | ---- | ---- | 14 | ---- | 17 + 1 |
| 1250 | ---- | ---- | 63.10B/*58.20A | 63.10B/*58.20A | ---- | 59.80 - 3.20 | .6258 | ---- | ---- | ---- | ---- | 80 UNCH |
| 1255 | ---- | ---- | 60.20B/*55.30A | 60.20B/*55.30A | ---- | 57.00 - 3.10 | .6080 | ---- | ---- | ---- | ---- | 16 UNCH |
| 1265 | ---- | ---- | 54.80B/*50.20A | 54.80B/*50.20A | ---- | 51.70 - 3.00 | .5721 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1270 | ---- | ---- | ----/*47.80A | ----/*47.80A | ---- | 49.20 - 2.90 | .5540 | ---- | ---- | ---- | ---- | 99 UNCH |
| 1285 | ---- | ---- | ----/*41.00A | ----/*41.00A | ---- | 42.30 - 2.80 | .5002 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1290 | ---- | ---- | ----/*39.00A | ----/*39.00A | ---- | 40.20 - 2.80 | .4826 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1295 | ---- | ---- | ----/*37.20A | ----/*37.20A | ---- | 38.20 - 2.80 | .4654 | ---- | ---- | ---- | ---- | 104 UNCH |
| 1300 | ---- | ---- | ----/*35.40A | ----/*35.40A | ---- | 36.30 - 2.70 | .4484 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1320 | ---- | ---- | ----/*29.00A | ----/*29.00A | ---- | 29.70 - 2.50 | .3845 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1325 | ---- | ---- | ----/*27.60A | ----/*27.60A | ---- | 28.30 - 2.40 | .3698 | ---- | ---- | ---- | ---- | 159 UNCH |
| 1330 | ---- | ---- | ----/*26.30A | ----/*26.30A | ---- | 26.90 - 2.40 | .3552 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1350 | 22.40 | 22.40 | 22.40/*21.70A | 22.40/*21.70A | ---- | 22.20 - 2.10 | .3026 | ---- | ---- | 1 | ---- | 495 + 1 |
| 1360 | ---- | ---- | ----/*19.70A | ----/*19.70A | ---- | 20.20 - 2.00 | .2791 | ---- | ---- | ---- | ---- | 520 UNCH |
| 1365 | ---- | ---- | ----/*18.80A | ----/*18.80A | ---- | 19.20 - 2.00 | .2676 | ---- | ---- | ---- | ---- | 325 UNCH |
| 1370 | ---- | ---- | ----/*17.90A | ----/*17.90A | ---- | 18.40 - 1.90 | .2574 | ---- | ---- | ---- | ---- | 253 UNCH |
| 1375 | ---- | ---- | ----/*17.10A | ----/*17.10A | ---- | 17.50 - 1.90 | .2467 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1380 | ---- | ---- | ----/*16.30A | ----/*16.30A | ---- | 16.70 - 1.90 | .2368 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1385 | ---- | ---- | ----/*15.60A | ----/*15.60A | ---- | 16.00 - 1.80 | .2277 | ---- | ---- | ---- | ---- | 900 UNCH |
| 1390 | ---- | ---- | ----/*14.90A | ----/*14.90A | ---- | 15.30 - 1.70 | .2187 | ---- | ---- | ---- | ---- | 265 UNCH |
| 1400 | 13.90 | 13.90 | 14.10B/*13.60A | 14.10B/*13.60A | ---- | 14.00 - 1.60 | .2018 | ---- | ---- | 2 | 50 | 265 + 52 |
| 1405 | ---- | ---- | ----/*13.00A | ----/*13.00A | ---- | 13.40 - 1.60 | .1939 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1410 | ---- | ---- | ----/*12.50A | ----/*12.50A | ---- | 12.80 - 1.50 | .1861 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1415 | ---- | ---- | ----/*11.90A | ----/*11.90A | ---- | 12.30 - 1.40 | .1791 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1420 | 11.50 | 11.50 | 11.60/*11.40A | 11.60/*11.40A | ---- | 11.70 - 1.50 | .1715 | ---- | ---- | 6 | ---- | 54 + 6 |
| 1425 | 11.30 | 11.30 | 11.30/*11.00A | 11.30/*11.00A | ---- | 11.30 - 1.40 | .1656 | ---- | ---- | 4 | ---- | 96 + 4 |
| 1430 | ---- | ---- | ----/*10.50A | ----/*10.50A | ---- | 10.80 - 1.40 | .1589 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1445 | 9.60 | 9.60 | 9.60/*9.30A | 9.60/*9.30A | ---- | 9.50 - 1.30 | .1411 | ---- | ---- | 28 | ---- | 109 + 28 |
| 1450 | 9.20 | 9.20 | 9.20/*8.90A | 9.20/*8.90A | ---- | 9.20 - 1.20 | .1364 | ---- | ---- | 1 | ---- | 151 + 1 |
| 1455 | ---- | ---- | ----/*8.50A | ----/*8.50A | ---- | 8.80 - 1.20 | .1310 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1460 | 8.60 | 8.60 | 8.60/*8.20 | 8.60/*8.20 | ---- | 8.50 - 1.10 | .1265 | ---- | ---- | 5 | ---- | 7 + 4 |
| 1465 | 8.10 | 8.10 | 8.40/*7.80 | 8.40/*7.80 | ---- | 8.10 - 1.10 | .1212 | ---- | ---- | 6 | ---- | 6 + 4 |
| 1470 | ---- | ---- | ----/*7.60A | ----/*7.60A | ---- | 7.80 - 1.10 | .1168 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1475 | ---- | ---- | ----/*7.30A | ----/*7.30A | ---- | 7.50 - 1.10 | .1125 | ---- | ---- | ---- | ---- | 440 UNCH |
| 1480 | 7.20 | 7.20 | 7.20/*7.00A | 7.20/*7.00A | ---- | 7.30 NEW | .1092 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1485 | ---- | ---- | ----/*6.80A | ----/*6.80A | ---- | 7.00 - 0.90 | .1050 | ---- | ---- | ---- | ---- | 500 UNCH |
| 1490 | ---- | ---- | ----/*6.50A | ----/*6.50A | ---- | 6.70 - 1.00 | .1008 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1500 | 6.30 | 6.30 | 6.30/*6.00A | 6.30/*6.00A | ---- | 6.30 - 0.80 | .0945 | ---- | ---- | 7 | ---- | 83 + 7 |
| 1510 | ---- | ---- | ----/*5.60A | ----/*5.60A | ---- | 5.80 - 0.80 | .0875 | ---- | ---- | ---- | ---- | 271 UNCH |
| 1515 | ---- | ---- | ----/*5.40A | ----/*5.40A | ---- | 5.60 - 0.80 | .0845 | ---- | ---- | ---- | ---- | 700 UNCH |
| 1520 | ---- | ---- | ----/*5.20A | ----/*5.20A | ---- | 5.40 - 0.80 | .0815 | ---- | ---- | ---- | ---- | 405 UNCH |
| 1525 | ---- | ---- | ----/*5.10A | ----/*5.10A | ---- | 5.20 - 0.80 | .0786 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1530 | 5.20 | 5.20 | 5.20/*4.90A | 5.20/*4.90A | ---- | 5.10 - 0.70 | .0768 | ---- | ---- | 4 | ---- | 10 + 4 |
| 1535 | ---- | ---- | ----/*4.70A | ----/*4.70A | ---- | 4.90 - 0.70 | .0739 | ---- | ---- | ---- | ---- | 48 UNCH |
| 1540 | ---- | ---- | ----/*4.60A | ----/*4.60A | ---- | 4.70 - 0.70 | .0711 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1545 | ---- | ---- | ----/*4.40A | ----/*4.40A | ---- | 4.60 - 0.60 | .0693 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1550 | ---- | ---- | ----/*4.20A | ----/*4.20A | ---- | 4.40 - 0.60 | .0665 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1555 | ---- | ---- | ----/*4.10A | ----/*4.10A | ---- | 4.30 - 0.60 | .0648 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1560 | ---- | ---- | ----/*4.00A | ----/*4.00A | ---- | 4.20 - 0.50 | .0631 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1570 | ---- | ---- | ----/*3.70A | ----/*3.70A | ---- | 3.90 - 0.50 | .0588 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1585 | ---- | ---- | ----/*3.40A | ----/*3.40A | ---- | 3.50 - 0.50 | .0529 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1600 | 3.10 | 3.10 | 3.10/*3.10 | 3.10/*3.10 | ---- | 3.20 - 0.40 | .0483 | ---- | ---- | 10 | ---- | 418 UNCH |
| 1625 | ---- | ---- | ----/*2.70A | ----/*2.70A | ---- | 2.80 - 0.30 | .0420 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1640 | ---- | ---- | ----/*2.50A | ----/*2.50A | ---- | 2.60 - 0.30 | .0388 | ---- | ---- | ---- | ---- | 676 UNCH |
| 1650 | ---- | ---- | ----/*2.40A | ----/*2.40A | ---- | 2.40 - 0.30 | .0360 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1675 | ---- | ---- | ----/*2.10A | ----/*2.10A | ---- | 2.10 - 0.20 | .0313 | ---- | ---- | ---- | ---- | 853 UNCH |
| 1700 | ---- | ---- | ----/*1.80A | ----/*1.80A | ---- | 1.80 - 0.30 | .0269 | ---- | ---- | ---- | ---- | 1030 UNCH |
| 1710 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.70 - 0.20 | .0254 | ---- | ---- | ---- | ---- | 280 UNCH |
| 1725 | ---- | ---- | ----/*1.60A | ----/*1.60A | ---- | 1.60 - 0.20 | .0237 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1825 | ---- | ---- | ----/*1.10A | ----/*1.10A | ---- | 1.00 - 0.20 | .0146 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.20 | .0119 | ---- | ---- | ---- | ---- | 48 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.20 | .0115 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.70 - 0.20 | .0101 | ---- | ---- | ---- | ---- | 19 UNCH |
| TOTAL | | | | | | | | | | 89 | 50 | 10768 + 113 |
| MAY19 | | | | | | | | | | | | |
| 1050 | ---- | ---- | ----/*233.90A | ----/*233.90A | ---- | 236.80 - 4.00 | .9681 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1060 | ---- | ---- | ----/*224.10A | ----/*224.10A | ---- | 227.00 - 4.00 | .9645 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1080 | ---- | ---- | ----/*204.70A | ----/*204.70A | ---- | 207.50 - 4.00 | .9545 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1110 | ---- | ---- | ----/*176.20A | ----/*176.20A | ---- | 178.90 - 3.90 | .9334 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1150 | ---- | ---- | ----/*139.90A | ----/*139.90A | ---- | 142.30 - 3.80 | .8855 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1155 | ---- | ---- | 141.90B/*135.50 | 141.90B/*135.50A | ---- | 137.90 - 3.80 | .8775 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1200 | ---- | ---- | ----/*98.50A | ----/*98.50A | ---- | 100.60 - 3.80 | .7869 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1205 | ---- | ---- | 100.60B/*94.80A | 100.60B/*94.80A | ---- | 96.80 - 3.70 | .7744 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1210 | ---- | ---- | ----/*91.30A | ----/*91.30A | ---- | 93.10 - 3.70 | .7613 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1235 | ---- | ---- | 79.40B/*74.20A | 79.40B/*74.20A | ---- | 75.70 - 3.50 | .6884 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1245 | ---- | ---- | 73.00B/*67.80A | 73.00B/*67.80A | ---- | 69.40 - 3.40 | .6570 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1285 | ---- | ---- | ----/*47.10A | ----/*47.10A | ---- | 48.20 - 3.00 | .5234 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1290 | ---- | ---- | ----/*44.90A | ----/*44.90A | ---- | 46.00 - 2.90 | .5068 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1295 | ---- | ---- | ----/*42.90A | ----/*42.90A | ---- | 43.80 - 2.90 | .4902 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1300 | ---- | ---- | ----/*41.00A | ----/*41.00A | ---- | 41.80 - 2.90 | .4740 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1310 | ---- | ---- | ----/*37.40A | ----/*37.40A | ---- | 38.10 - 2.70 | .4425 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1335 | 30.20 | 30.20 | 30.80B/*29.70A | 30.80B/*29.70A | ---- | 30.20 NEW | .3696 | ---- | ---- | 12 | ---- | 12 + 12 |
| 1340 | 28.90 | 28.90 | 29.20B/*28.40A | 29.20B/*28.40A | ---- | 28.90 - 2.40 | .3564 | ---- | ---- | 12 | ---- | 146 + 12 |
| 1345 | ---- | ---- | ----/*27.20A | ----/*27.20A | ---- | 27.60 - 2.30 | .3434 | ---- | ---- | ---- | ---- | 34 UNCH |
| 1360 | ---- | ---- | ----/*23.80A | ----/*23.80A | ---- | 24.10 - 2.20 | .3069 | ---- | ---- | ---- | ---- | 78 UNCH |
| 1365 | ---- | ---- | ----/*22.80A | ----/*22.80A | ---- | 23.10 - 2.10 | .2958 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1370 | ---- | ---- | ----/*21.80A | ----/*21.80A | ---- | 22.10 - 2.10 | .2848 | ---- | ---- | ---- | ---- | 382 UNCH |
| 1375 | ---- | ---- | ----/*20.90A | ----/*20.90A | ---- | 21.20 - 2.00 | .2746 | ---- | ---- | ---- | ---- | 29 UNCH |
| 1380 | ---- | ---- | ----/*19.90A | ----/*19.90A | ---- | 20.30 - 2.00 | .2644 | ---- | ---- | ---- | ---- | 23 UNCH |
| 1385 | ---- | ---- | ----/*19.10A | ----/*19.10A | ---- | 19.50 - 1.90 | .2550 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1390 | ---- | ---- | ----/*18.30A | ----/*18.30A | ---- | 18.70 - 1.80 | .2457 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1395 | ---- | ---- | ----/*17.50A | ----/*17.50A | ---- | 17.90 - 1.80 | .2365 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1400 | ---- | ---- | ----/*16.80A | ----/*16.80A | ---- | 17.20 - 1.70 | .2280 | ---- | ---- | ---- | ---- | 206 UNCH |
| 1420 | ---- | ---- | ----/*14.20A | ----/*14.20A | ---- | 14.60 - 1.50 | .1966 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1430 | ---- | ---- | ----/*13.10A | ----/*13.10A | ---- | 13.50 - 1.40 | .1829 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1450 | ---- | ---- | ----/*11.20A | ----/*11.20A | ---- | 11.50 - 1.30 | .1578 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1455 | ---- | ---- | ----/*10.80A | ----/*10.80A | ---- | 11.10 - 1.20 | .1525 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1465 | ---- | ---- | ----/*10.00A | ----/*10.00A | ---- | 10.30 - 1.20 | .1421 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1480 | 9.20 | 9.20 | 9.20/*8.90A | 9.20/*8.90A | ---- | 9.20 - 1.10 | .1278 | ---- | ---- | 5 | ---- | 9 + 5 |
| 1490 | 8.60 | 8.60 | 8.60/*8.30A | 8.60/*8.30A | ---- | 8.60 - 1.00 | .1196 | ---- | ---- | 2 | ---- | 34 UNCH |
| 1500 | ---- | ---- | ----/*7.70A | ----/*7.70A | ---- | 8.00 - 0.90 | .1116 | ---- | ---- | ---- | ---- | 83 UNCH |
| 1515 | 7.20 | 7.20 | 7.20/*7.00A | 7.20/*7.00A | ---- | 7.20 NEW | .1008 | ---- | ---- | 4 | ---- | 4 + 4 |
| 1520 | 7.10 | 7.10 | 7.10/*6.70A | 7.10/*6.70A | ---- | 6.90 NEW | .0970 | ---- | ---- | 3 | ---- | 3 + 3 |
| 1525 | ---- | ---- | ----/*6.50A | ----/*6.50A | ---- | 6.70 - 0.80 | .0941 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1530 | ---- | ---- | ----/*6.30A | ----/*6.30A | ---- | 6.50 - 0.80 | .0913 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1540 | 6.20 | 6.20 | 6.20/*5.90A | 6.20/*5.90A | ---- | 6.00 NEW | .0848 | ---- | ---- | 3 | ---- | 3 + 3 |
| 1545 | ---- | ---- | ----/*5.70A | ----/*5.70A | ---- | 5.80 - 0.80 | .0820 | ---- | ---- | ---- | ---- | 41 UNCH |
| 1570 | 5.10 | 5.10 | 5.10/*4.80A | 5.10/*4.80A | ---- | 5.00 NEW | .0706 | ---- | ---- | 4 | ---- | 4 + 4 |
| 1600 | ---- | ---- | ----/*4.00A | ----/*4.00A | ---- | 4.10 - 0.60 | .0582 | ---- | ---- | ---- | ---- | 14 UNCH |

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# METALS OPTIONS PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| MAY19 | | | | | | | | | | | | |
| 1650 | ---- | ---- | ----/*3.10A | ----/*3.10A | ---- | 3.00 - 0.50 | .0428 | ---- | ---- | ---- | ---- | 152 UNCH |
| 1670 | ---- | ---- | ----/*2.80A | ----/*2.80A | ---- | 2.70 - 0.40 | .0384 | ---- | ---- | ---- | ---- | 53 UNCH |
| 1700 | 2.10 | 2.10 | 2.10/*2.10 | 2.10/*2.10 | ---- | 2.30 - 0.40 | .0326 | ---- | ---- | 22 | ---- | 84 + 22 |
| 1775 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.60 - 0.30 | .0224 | ---- | ---- | ---- | ---- | 59 UNCH |
| 1800 | ---- | ---- | ----/*1.50A | ----/*1.50A | ---- | 1.40 - 0.30 | .0196 | ---- | ---- | ---- | ---- | 155 UNCH |
| 1825 | ---- | ---- | ----/*1.30A | ----/*1.30A | ---- | 1.30 - 0.20 | .0180 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1850 | ---- | ---- | ----/*1.20A | ----/*1.20A | ---- | 1.20 - 0.20 | .0165 | ---- | ---- | ---- | ---- | 169 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.20 | .0139 | ---- | ---- | ---- | ---- | 57 UNCH |
| TOTAL | | | | | | | | | | 67 | | 2288 + 65 |
| JUN19 | | | | | | | | | | | | |
| 1140 | ---- | ---- | ----/*149.80A | ----/*149.80A | ---- | 152.10 - 3.70 | .8907 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1145 | ---- | ---- | ----/*145.40A | ----/*145.40A | ---- | 147.70 - 3.70 | .8831 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1150 | ---- | ---- | 147.20B/*141.10 | 147.20B/*141.10A | ---- | 143.30 - 3.80 | .8754 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1180 | ---- | ---- | ----/*115.90A | ----/*115.90A | ---- | 118.20 - 3.70 | .8206 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1215 | ---- | ---- | ----/*90.00A | ----/*90.00A | ---- | 91.70 - 3.70 | .7367 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1225 | ---- | ---- | ----/*83.30A | ----/*83.30A | ---- | 84.90 - 3.60 | .7091 | ---- | ---- | ---- | ---- | 3030 UNCH |
| 1250 | ---- | ---- | ----/*67.70A | ----/*67.70A | ---- | 69.20 - 3.40 | .6346 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1280 | ---- | ---- | ----/*52.30A | ----/*52.30A | ---- | 53.50 - 3.10 | .5401 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1290 | ---- | ---- | ----/*48.00A | ----/*48.00A | ---- | 49.00 - 3.00 | .5086 | ---- | ---- | ---- | 200 | 250 + 200 |
| 1295 | ---- | ---- | ----/*46.00A | ----/*46.00A | ---- | 46.90 - 2.90 | .4932 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1300 | ---- | ---- | ----/*44.10A | ----/*44.10A | ---- | 44.90 - 2.90 | .4779 | ---- | ---- | ---- | 100 | 814 + 100 |
| 1305 | ---- | ---- | ----/*42.20A | ----/*42.20A | ---- | 43.00 - 2.80 | .4630 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1310 | 41.90 | 41.90 | 41.90/*40.40A | 41.90/*40.40A | ---- | 41.20 - 2.70 | .4483 | ---- | ---- | 10 | ---- | 585 UNCH |
| 1320 | ---- | ---- | ----/*37.10A | ----/*37.10A | ---- | 37.80 - 2.60 | .4198 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1325 | ---- | ---- | ----/*35.50A | ----/*35.50A | ---- | 36.20 - 2.60 | .4060 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1335 | ---- | ---- | ----/*32.60A | ----/*32.60A | ---- | 33.20 - 2.50 | .3794 | ---- | ---- | ---- | ---- | 345 UNCH |
| 1340 | ---- | ---- | ----/*31.30A | ----/*31.30A | ---- | 31.80 - 2.50 | .3666 | ---- | ---- | ---- | ---- | 445 UNCH |
| 1345 | ---- | ---- | ----/*30.00A | ----/*30.00A | ---- | 30.50 - 2.40 | .3543 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1350 | ---- | ---- | ----/*28.80A | ----/*28.80A | ---- | 29.20 - 2.40 | .3421 | ---- | ---- | ---- | ---- | 225 UNCH |
| 1355 | ---- | ---- | ----/*27.60A | ----/*27.60A | ---- | 28.00 - 2.40 | .3304 | ---- | ---- | ---- | ---- | 300 UNCH |
| 1360 | ---- | ---- | ----/*26.50A | ----/*26.50A | ---- | 26.90 - 2.30 | .3193 | ---- | ---- | ---- | ---- | 550 UNCH |
| 1370 | ---- | ---- | ----/*24.40A | ----/*24.40A | ---- | 24.80 - 2.10 | .2980 | ---- | ---- | ---- | ---- | 51 UNCH |
| 1375 | ---- | ---- | ----/*23.50A | ----/*23.50A | ---- | 23.80 - 2.10 | .2877 | ---- | ---- | ---- | ---- | 309 UNCH |
| 1385 | ---- | ---- | ----/*21.60A | ----/*21.60A | ---- | 21.90 - 2.10 | .2680 | ---- | ---- | ---- | ---- | 95 UNCH |
| 1395 | ---- | ---- | ----/*20.00A | ----/*20.00A | ---- | 20.30 - 1.90 | .2504 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1400 | ---- | ---- | ----/*19.20A | ----/*19.20A | ---- | 19.50 - 1.90 | .2417 | ---- | ---- | ---- | 200 | 1022 - 50 |
| 1410 | ---- | ---- | ----/*17.80A | ----/*17.80A | ---- | 18.10 - 1.80 | .2259 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1415 | ---- | ---- | ----/*17.10A | ----/*17.10A | ---- | 17.40 - 1.70 | .2181 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1425 | ---- | ---- | ----/*15.90A | ----/*15.90A | ---- | 16.10 - 1.70 | .2034 | ---- | ---- | ---- | ---- | 5302 UNCH |
| 1430 | ---- | ---- | ----/*15.30A | ----/*15.30A | ---- | 15.50 - 1.70 | .1965 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1450 | ---- | ---- | ----/*13.20A | ----/*13.20A | ---- | 13.40 - 1.50 | .1717 | ---- | ---- | ---- | 150 | 877 + 150 |
| 1475 | ---- | ---- | ----/*11.10A | ----/*11.10A | ---- | 11.30 - 1.20 | .1460 | ---- | ---- | ---- | ---- | 1350 UNCH |
| 1485 | ---- | ---- | ----/*10.40A | ----/*10.40A | ---- | 10.50 - 1.20 | .1364 | ---- | ---- | ---- | ---- | 1150 UNCH |
| 1500 | ---- | ---- | ----/*9.30A | ----/*9.30A | ---- | 9.50 - 1.10 | .1240 | ---- | ---- | ---- | 100 | 1446 + 50 |
| 1525 | ---- | ---- | ----/*7.80A | ----/*7.80A | ---- | 8.00 - 1.00 | .1054 | ---- | ---- | ---- | ---- | 313 UNCH |
| 1535 | 7.50 | 7.50 | 7.50/*7.50 | 7.50/*7.50 | ---- | 7.50 NEW | .0990 | ---- | ---- | 120 | 560 | 580 + 580 |
| 1545 | 6.80 | 6.80 | 7.00B/*6.80 | 7.00B/*6.80 | ---- | 7.00 NEW | .0927 | ---- | ---- | 102 | ---- | 102 + 102 |
| 1550 | ---- | ---- | ----/*6.60A | ----/*6.60A | ---- | 6.80 - 0.90 | .0901 | ---- | ---- | ---- | ---- | 2535 UNCH |
| 1560 | ---- | ---- | ----/*6.20A | ----/*6.20A | ---- | 6.30 - 0.90 | .0840 | ---- | ---- | ---- | ---- | 14 UNCH |
| 1575 | ---- | ---- | ----/*5.60A | ----/*5.60A | ---- | 5.80 - 0.80 | .0772 | ---- | ---- | ---- | ---- | 29 UNCH |
| 1600 | 5.00 | 5.00 | 5.00/*4.80A | 5.00/*4.80A | ---- | 5.00 - 0.70 | .0667 | ---- | ---- | 50 | 175 | 3696 + 125 |
| 1610 | ---- | ---- | ----/*4.50A | ----/*4.50A | ---- | 4.70 - 0.70 | .0628 | ---- | ---- | ---- | ---- | 66 UNCH |
| 1650 | 3.80 | 3.80 | 3.80/*3.60 | 3.80/*3.60 | ---- | 3.80 - 0.60 | .0507 | ---- | ---- | 80 | ---- | 932 + 70 |
| 1670 | ---- | ---- | ----/*3.30A | ----/*3.30A | ---- | 3.40 - 0.60 | .0454 | ---- | ---- | ---- | ---- | 33 UNCH |
| 1675 | ---- | ---- | ----/*3.20A | ----/*3.20A | ---- | 3.30 - 0.60 | .0441 | ---- | ---- | ---- | ---- | 2305 UNCH |
| 1700 | ---- | ---- | ----/*2.80A | ----/*2.80A | ---- | 3.00 - 0.40 | .0397 | ---- | ---- | ---- | ---- | 1449 UNCH |
| 1720 | ---- | ---- | ----/*2.60A | ----/*2.60A | ---- | 2.70 - 0.40 | .0357 | ---- | ---- | ---- | ---- | 885 UNCH |
| 1725 | 2.40 | 2.40 | 2.40/*2.40 | 2.40/*2.40 | ---- | 2.60 NEW | .0345 | ---- | ---- | 59 | ---- | 59 + 59 |
| 1750 | ---- | ---- | ----/*2.30A | ----/*2.30A | ---- | 2.30 - 0.30 | .0305 | ---- | ---- | ---- | ---- | 4689 UNCH |
| 1775 | ---- | ---- | ----/*2.10A | ----/*2.10A | ---- | 2.00 - 0.30 | .0266 | ---- | ---- | ---- | ---- | 661 UNCH |
| 1800 | ---- | ---- | ----/*1.90A | ----/*1.90A | ---- | 1.80 - 0.20 | .0239 | ---- | ---- | ---- | 350 | 6750 + 166 |
| 1825 | ---- | ---- | ----/*1.70A | ----/*1.70A | ---- | 1.60 - 0.20 | .0212 | ---- | ---- | ---- | ---- | 750 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 1.40 - 0.20 | .0186 | ---- | ---- | ---- | ---- | 9413 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 1.30 - 0.20 | .0171 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 1.10 - 0.30 | .0146 | ---- | ---- | ---- | ---- | 2695 UNCH |
| 1925 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.20 | .0132 | ---- | ---- | ---- | ---- | 940 UNCH |
| 1950 | ---- | ---- | ---- | ---- | ---- | 0.90 - 0.30 | .0119 | ---- | ---- | ---- | ---- | 2204 UNCH |
| 1975 | ---- | ---- | ---- | ---- | ---- | 0.80 - 0.30 | .0106 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2000 | 0.80 | 0.80 | 0.80/*0.80 | 0.80/*0.80 | ---- | 0.80 - 0.20 | .0104 | ---- | ---- | 10 | ---- | 9486 + 10 |
| TOTAL | | | | | | | | | | 431 | 1,835 | 69307 + 1562 |
| JUL19 | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | ---- | 22.20 - 0.50 | .2614 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 6.00 - 0.30 | .0763 | ---- | ---- | ---- | ---- | 750 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 2.00 - 0.10 | .0260 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 801 0 |
| AUG19 | | | | | | | | | | | | |
| 1400 | ---- | ---- | ---- | ---- | ---- | 24.60 - 1.50 | .2731 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 12.80 - 0.70 | .1499 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 7.40 - 0.40 | .0877 | ---- | ---- | ---- | ---- | 145 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 2.60 - 0.20 | .0317 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 1.60 - 0.10 | .0197 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 330 0 |
| SEP19 | | | | | | | | | | | | |
| 1325 | ---- | ---- | ---- | ---- | ---- | 49.30 - 2.30 | .4564 | ---- | ---- | ---- | ---- | 2000 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 15.40 - 0.90 | .1687 | ---- | ---- | ---- | ---- | 6000 UNCH |
| TOTAL | | | | | | | | | | | | 8000 0 |
| NOV19 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 18.00 - 1.60 | .1862 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 9.90 - 1.00 | .1081 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 2 0 |
| DEC19 | | | | | | | | | | | | |
| 1200 | ---- | ---- | ---- | ---- | ---- | 129.70 - 2.00 | .7595 | ---- | ---- | ---- | ---- | 34 UNCH |
| 1260 | ---- | ---- | ---- | ---- | ---- | 90.70 - 1.80 | .6329 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1300 | 70.90 | 70.90 | 70.90/*69.90 | 70.90/*69.90 | ---- | 69.60 - 1.80 | .5391 | ---- | ---- | 15 | ---- | 332 + 15 |
| 1310 | ---- | ---- | ---- | ---- | ---- | 65.00 - 1.80 | .5154 | ---- | ---- | ---- | ---- | 375 UNCH |
| 1325 | ---- | ---- | ---- | ---- | ---- | 58.60 - 1.70 | .4804 | ---- | ---- | ---- | ---- | 550 UNCH |
| 1340 | ---- | ---- | ---- | ---- | ---- | 52.80 - 1.60 | .4464 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1350 | ---- | ---- | ---- | ---- | ---- | 49.20 - 1.60 | .4244 | ---- | ---- | ---- | ---- | 140 UNCH |
| 1360 | ---- | ---- | ---- | ---- | ---- | 45.80 - 1.50 | .4029 | ---- | ---- | ---- | ---- | 60 UNCH |
| 1375 | ---- | ---- | ---- | ---- | ---- | 41.20 - 1.40 | .3720 | ---- | ---- | ---- | ---- | 150 UNCH |
| 1380 | ---- | ---- | ---- | ---- | ---- | 39.80 - 1.40 | .3622 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 34.60 - 1.20 | .3247 | ---- | ---- | ---- | ---- | 476 UNCH |
| 1410 | ---- | ---- | ---- | ---- | ---- | 32.20 - 1.20 | .3068 | ---- | ---- | ---- | ---- | 160 UNCH |
| 1420 | ---- | ---- | ---- | ---- | ---- | 30.10 - 1.10 | .2903 | ---- | ---- | ---- | ---- | 235 UNCH |
| 1425 | ---- | ---- | ---- | ---- | ---- | 29.10 - 1.00 | .2823 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1450 | ---- | ---- | ---- | ---- | ---- | 24.60 - 0.80 | .2452 | ---- | ---- | ---- | ---- | 230 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 17.90 - 0.50 | .1857 | ---- | ---- | ---- | ---- | 658 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 13.40 - 0.30 | .1423 | ---- | ---- | ---- | ---- | 959 UNCH |
| 1575 | ---- | ---- | ---- | ---- | ---- | 11.80 - 0.20 | .1259 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 10.50 - 0.10 | .1122 | ---- | ---- | ---- | 100 | 674 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 8.50 UNCH | .0905 | ---- | ---- | ---- | ---- | 605 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 7.00 - 0.10 | .0741 | ---- | ---- | ---- | 200 | 750 UNCH |
| 1720 | ---- | ---- | ---- | ---- | ---- | 6.60 - 0.10 | .0693 | ---- | ---- | ---- | ---- | 70 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 6.00 - 0.10 | .0625 | ---- | ---- | ---- | ---- | 2383 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 5.20 - 0.10 | .0534 | ---- | ---- | ---- | 100 | 2237 - 100 |
| 1850 | ---- | ---- | ---- | ---- | ---- | 4.50 - 0.10 | .0457 | ---- | ---- | ---- | ---- | 2100 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 4.00 UNCH | .0400 | ---- | ---- | ---- | ---- | 5831 UNCH |
| 1925 | ---- | ---- | ---- | ---- | ---- | 3.80 + 0.10 | .0376 | ---- | ---- | ---- | ---- | 2900 UNCH |
| 1950 | ---- | ---- | ---- | ---- | ---- | 3.50 + 0.10 | .0347 | ---- | ---- | ---- | ---- | 3430 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 3.10 + 0.20 | .0304 | ---- | ---- | ---- | ---- | 7781 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 2.40 + 0.30 | .0232 | ---- | ---- | ---- | ---- | 7665 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 1.80 + 0.30 | .0174 | ---- | ---- | ---- | 100 | 900 - 100 |
| 2300 | ---- | ---- | ---- | ---- | ---- | 1.30 + 0.20 | .0127 | ---- | ---- | ---- | ---- | 1241 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.60 UNCH | .0061 | ---- | ---- | ---- | 200 | 5755 - 200 |
| 2600 | ---- | ---- | ----/*0.40A | ----/*0.40A | ---- | 0.40 - 0.10 | .0041 | ---- | ---- | ---- | ---- | 910 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.10 - 0.20 | .0011 | ---- | ---- | ---- | 100 | 15300 UNCH |
| TOTAL | | | | | | | | | | 15 | 800 | 65053 - 385 |
| JUN20 | | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | ---- | 96.40 - 2.20 | .5801 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1320 | ---- | ---- | ---- | ---- | ---- | 87.10 - 2.10 | .5425 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 58.30 - 1.60 | .4038 | ---- | ---- | ---- | ---- | 32 UNCH |

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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | | | | | | | | | |
| JUN20 | | | | | | | | | | | | |
| 1620 | ---- | ---- | ---- | ---- | ---- | 21.80 - 0.70 | .1727 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1800 | 12.00 | 12.00 | 12.00/*12.00 | 12.00/*12.00 | ---- | 12.30 - 0.40 | .0980 | ---- | ---- | 1 | ---- | 879 + 1 |
| 2000 | 7.50 | 7.50 | 7.50/*7.00A | 7.50/*7.00A | ---- | 8.00 - 0.20 | .0616 | ---- | ---- | 1 | ---- | 10 + 1 |
| TOTAL | | | | | | | | | | 2 | | 1033 + 2 |
| DEC20 | | | | | | | | | | | | |
| 1300 | ---- | ---- | ---- | ---- | ---- | 123.70 - 2.70 | .6084 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 55.20 - 1.50 | .3352 | ---- | ---- | ---- | ---- | 200 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 28.20 - 0.90 | .1843 | ---- | ---- | ---- | ---- | 400 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 21.10 - 0.60 | .1403 | ---- | ---- | ---- | ---- | 1186 UNCH |
| 1805 | ---- | ---- | ---- | ---- | ---- | 20.80 - 0.60 | .1384 | ---- | ---- | ---- | ---- | 140 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 18.40 - 0.50 | .1231 | ---- | ---- | ---- | ---- | 4796 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 12.50 - 0.40 | .0849 | ---- | ---- | ---- | ---- | 1216 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 9.90 - 0.30 | .0676 | ---- | ---- | ---- | ---- | 800 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 6.40 - 0.20 | .0441 | ---- | ---- | ---- | ---- | 400 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 5.30 - 0.20 | .0366 | ---- | ---- | ---- | ---- | 1050 UNCH |
| 2500 | 4.20 | 4.20 | 4.20/*4.20 | #4.20/*4.20 | ---- | 4.40 - 0.20 | .0304 | ---- | ---- | 12 | ---- | 1412 + 12 |
| 2600 | ---- | ---- | ---- | ---- | ---- | 3.80 - 0.10 | .0261 | ---- | ---- | ---- | ---- | 200 UNCH |
| 3000 | ---- | ---- | ---- | ---- | ---- | 2.30 - 0.10 | .0154 | ---- | ---- | ---- | ---- | 520 UNCH |
| TOTAL | | | | | | | | | | 12 | | 12326 + 12 |
| JUN21 | | | | | | | | | | | | |
| 1450 | ---- | ---- | ---- | ---- | ---- | 84.90 - 1.90 | .4344 | ---- | ---- | ---- | ---- | 510 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 61.60 - 1.50 | .3329 | ---- | ---- | ---- | ---- | 25 UNCH |
| TOTAL | | | | | | | | | | | | 535 0 |
| DEC21 | | | | | | | | | | | | |
| 1800 | ---- | ---- | ---- | ---- | ---- | 43.50 - 1.00 | .2190 | ---- | ---- | ---- | ---- | 349 UNCH |
| TOTAL | | | | | | | | | | | | 349 0 |
| JUN23 | | | | | | | | | | | | |
| 1900 | ---- | ---- | ---- | ---- | ---- | 68.80 - 1.50 | .2670 | ---- | ---- | ---- | ---- | 280 UNCH |
| TOTAL | | | | | | | | | | | | 280 0 |

SILVER OPTIONS ON FUTURES

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SO CALL | | COMEX SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 800 | ---- | ---- | ---- | ---- | ---- | 8.251 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 6.751 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 5.251 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 2.251 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1425 | ---- | ---- | ---- | ---- | ---- | 2.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1450 | ---- | ---- | ---- | ---- | ---- | 1.751 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1475 | ---- | ---- | ---- | ---- | ---- | 1.501 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 1.251 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1525 | ---- | ---- | ---- | ---- | ---- | 1.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 0.751 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1555 | ---- | ---- | ---- | ---- | ---- | 0.701 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1560 | ---- | ---- | ---- | ---- | ---- | 0.651 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1565 | ---- | ---- | ---- | ---- | ---- | 0.601 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1570 | ---- | ---- | ---- | ---- | ---- | 0.551 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1575 | ---- | ---- | ---- | ---- | ---- | 0.501 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1580 | ---- | ---- | ---- | ---- | ---- | 0.451 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1585 | ---- | ---- | ---- | ---- | ---- | 0.401 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1590 | ---- | ---- | ---- | ---- | ---- | 0.351 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 0.251 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1605 | ---- | ---- | ---- | ---- | ---- | 0.201 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1610 | ---- | ---- | ---- | ---- | ---- | 0.151 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1615 | ---- | ---- | ---- | ---- | ---- | 0.101 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1620 | ---- | ---- | ---- | ---- | ---- | 0.050 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1625 | ---- | ---- | ---- | ---- | ---- | 0.003 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1630 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1635 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1640 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1645 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1655 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | 0 | 0 0 |
| AUG18 | | | | | | | | | | | | |
| 1100 | ---- | ---- | 5.353B/*5.045A | 5.353B/*5.045A | ---- | 5.237 - 0.094 | .9999 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1350 | ---- | ---- | 2.855B/*2.548A | 2.855B/*2.548A | ---- | 2.738 - 0.094 | .9935 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1400 | ---- | ---- | 2.356B/*2.051A | 2.356B/*2.051A | ---- | 2.239 - 0.095 | .9902 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1425 | ---- | ---- | 2.107B/*1.803A | 2.107B/*1.803A | ---- | 1.990 - 0.095 | .9870 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1450 | ---- | ---- | 1.859B/*1.558A | 1.859B/*1.558A | ---- | 1.742 - 0.095 | .9811 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1475 | ---- | ---- | 1.611B/*1.316A | 1.611B/*1.316A | ---- | 1.495 - 0.095 | .9719 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1500 | 1.225 | 1.225 | 1.366B/*1.080A | 1.366B/*1.080A | ---- | 1.251 - 0.095 | .9565 | ---- | ---- | 1 | ---- | 5 + 1 |
| 1525 | ---- | ---- | 1.124B/*0.855A | 1.124B/*0.855A | ---- | 1.013 - 0.095 | .9237 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1550 | ---- | ---- | 0.892B/*0.646A | 0.892B/*0.646A | ---- | 0.787 - 0.093 | .8651 | ---- | ---- | 24 | ---- | 35 + 17 |
| 1560 | ---- | ---- | 0.803B/*0.569A | 0.803B/*0.569A | ---- | 0.702 NEW | .8320 | ---- | ---- | 2 | ---- | 2 + 2 |
| 1565 | 0.675 | 0.675 | 0.760B/*0.529A | 0.760B/*0.529A | ---- | 0.661 NEW | .8144 | ---- | ---- | 6 | ---- | 0 UNCH |
| 1570 | 0.619 | 0.619 | 0.718B/*0.494A | 0.718B/*0.494A | ---- | 0.621 NEW | .7942 | ---- | ---- | 4 | ---- | 2 + 2 |
| 1575 | 0.597 | 0.597 | 0.687B/*0.460A | 0.687B/*0.460A | ---- | 0.582 - 0.089 | .7726 | ---- | ---- | 44 | ---- | 36 + 33 |
| 1580 | 0.535 | 0.535 | 0.647B/*0.428A | 0.647B/*0.428A | ---- | 0.544 - 0.088 | .7490 | ---- | ---- | 3 | ---- | 2 - 2 |
| 1590 | ---- | ---- | 0.577B/*0.368A | 0.577B/*0.368A | ---- | 0.473 - 0.085 | .6997 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1595 | ---- | ---- | 0.542B/*0.340A | 0.542B/*0.340A | ---- | 0.440 - 0.083 | .6728 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1600 | 0.484 | 0.484 | 0.507B/*0.313A | 0.507B/*0.313A | ---- | 0.408 - 0.081 | .6453 | ---- | ---- | 124 | ---- | 39 + 18 |
| 1605 | 0.398 | 0.398 | 0.473B/*0.288A | 0.473B/*0.288A | ---- | 0.377 - 0.080 | .6169 | ---- | ---- | 24 | ---- | 12 - 2 |
| 1610 | 0.364 | 0.364 | 0.441B/*0.265A | 0.441B/*0.265A | ---- | 0.349 - 0.076 | .5882 | ---- | ---- | 52 | ---- | 33 + 30 |
| 1615 | 0.356 | 0.356 | 0.411B/*0.243A | 0.411B/*0.243A | ---- | 0.321 - 0.074 | .5592 | ---- | ---- | 83 | ---- | 100 + 66 |
| 1620 | 0.340 | 0.340 | 0.382B/*0.223A | 0.382B/*0.223A | ---- | 0.295 - 0.071 | .5300 | ---- | ---- | 69 | ---- | 19 + 11 |
| 1625 | 0.307 | 0.307 | 0.357B/*0.204A | 0.357B/*0.204A | ---- | 0.271 - 0.068 | .5008 | ---- | ---- | 214 | ---- | 166 + 66 |
| 1630 | 0.333 | 0.333 | 0.333/*0.187A | 0.333/*0.187A | ---- | 0.248 - 0.065 | .4718 | ---- | ---- | 113 | ---- | 39 + 26 |
| 1635 | 0.261 | 0.261 | 0.306B/*0.170A | 0.306B/*0.170A | ---- | 0.226 - 0.063 | .4430 | ---- | ---- | 53 | ---- | 29 + 15 |
| 1640 | 0.281 | 0.281 | 0.282B/*0.155A | 0.282B/*0.155A | ---- | 0.206 - 0.061 | .4148 | ---- | ---- | 53 | ---- | 110 + 2 |
| 1645 | 0.201 | 0.201 | 0.261B/*0.142A | 0.261B/*0.142A | ---- | 0.187 - 0.059 | .3871 | ---- | ---- | 19 | ---- | 11 + 8 |
| 1650 | 0.211 | 0.211 | 0.240B/*0.129A | 0.240B/*0.129A | ---- | 0.170 - 0.056 | .3606 | ---- | ---- | 378 | ---- | 559 + 125 |
| 1655 | 0.166 | 0.166 | 0.221B/*0.118A | 0.221B/*0.118A | ---- | 0.155 - 0.054 | .3354 | ---- | ---- | 4 | ---- | 28 + 1 |
| 1660 | 0.148 | 0.148 | 0.204B/*0.108A | 0.204B/*0.108A | ---- | 0.141 - 0.051 | .3112 | ---- | ---- | 12 | ---- | 26 + 4 |
| 1665 | 0.142 | 0.142 | 0.188B/*0.099A | 0.188B/*0.099A | ---- | 0.128 - 0.049 | .2881 | ---- | ---- | 16 | ---- | 10 - 6 |
| 1670 | 0.133 | 0.133 | 0.173B/*0.090A | 0.173B/*0.090A | ---- | 0.117 - 0.046 | .2671 | ---- | ---- | 18 | ---- | 22 + 6 |
| 1675 | 0.142 | 0.142 | 0.159B/*0.083A | 0.159B/*0.083A | ---- | 0.107 - 0.043 | .2473 | ---- | ---- | 476 | ---- | 837 + 231 |
| 1680 | 0.106 | 0.106 | 0.146B/*0.076A | 0.146B/*0.076A | ---- | 0.097 - 0.041 | .2279 | ---- | ---- | 111 | ---- | 113 + 69 |
| 1685 | 0.097 | 0.097 | 0.134B/*0.070A | 0.134B/*0.070A | ---- | 0.089 - 0.038 | .2110 | ---- | ---- | 75 | ---- | 100 + 27 |
| 1690 | 0.090 | 0.090 | 0.124B/*0.065A | 0.124B/*0.065A | ---- | 0.081 - 0.036 | .1944 | ---- | ---- | 80 | ---- | 101 + 61 |
| 1695 | 0.083 | 0.083 | 0.115B/*0.060A | 0.115B/*0.060A | ---- | 0.074 - 0.034 | .1794 | ---- | ---- | 59 | ---- | 76 + 51 |
| 1700 | 0.080 | 0.080 | 0.105B/*0.055A | 0.105B/*0.055A | ---- | 0.068 - 0.032 | .1659 | ---- | ---- | 303 | ---- | 1567 + 72 |
| 1705 | 0.070 | 0.070 | 0.095B/*0.052A | 0.095B/*0.052A | ---- | 0.063 - 0.030 | .1541 | ---- | ---- | 1 | ---- | 8 - 1 |
| 1710 | ---- | ---- | 0.088B/*0.048A | 0.088B/*0.048A | ---- | 0.058 - 0.028 | .1425 | ---- | ---- | ---- | ---- | 55 UNCH |
| 1715 | 0.052 | 0.052 | 0.081B/*0.045A | 0.081B/*0.045A | ---- | 0.054 - 0.026 | .1327 | ---- | ---- | 10 | ---- | 10 + 4 |
| 1720 | 0.049 | 0.049 | 0.050/*0.042A | 0.050/*0.042A | ---- | 0.050 - 0.025 | .1232 | ---- | ---- | 22 | ---- | 44 + 22 |
| 1725 | 0.055 | 0.055 | 0.071B/*0.039A | 0.071B/*0.039A | ---- | 0.046 - 0.024 | .1139 | ---- | ---- | 37 | ---- | 606 - 2 |
| 1730 | 0.044 | 0.044 | 0.044/*0.037A | 0.044/*0.037A | ---- | 0.043 - 0.022 | .1063 | ---- | ---- | 4 | ---- | 37 + 4 |
| 1735 | 0.048 | 0.048 | 0.052B/*0.035A | 0.052B/*0.035A | ---- | 0.040 - 0.021 | .0989 | ---- | ---- | 5 | ---- | 37 + 5 |
| 1740 | 0.045 | 0.045 | 0.048B/*0.033A | 0.048B/*0.033A | ---- | 0.037 - 0.020 | .0917 | ---- | ---- | 7 | ---- | 21 + 5 |
| 1745 | 0.042 | 0.042 | 0.045B/*0.031A | 0.045B/*0.031A | ---- | 0.035 - 0.018 | .0862 | ---- | ---- | 5 | ---- | 8 + 4 |
| 1750 | 0.050 | 0.050 | 0.050/*0.028 | 0.050/*0.028 | ---- | 0.032 - 0.018 | .0793 | ---- | ---- | 41 | ---- | 1356 - 7 |
| 1755 | ---- | ---- | ----/*0.028A | ----/*0.028A | ---- | 0.030 - 0.017 | .0742 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1760 | ---- | ---- | ----/*0.026A | ----/*0.026A | ---- | 0.028 - 0.016 | .0692 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1765 | ---- | ---- | ----/*0.025A | ----/*0.025A | ---- | 0.027 - 0.014 | .0660 | ---- | ---- | ---- | ---- | 21 UNCH |
| 1770 | ---- | ---- | ----/*0.024A | ----/*0.024A | ---- | 0.025 - 0.014 | .0612 | ---- | ---- | ---- | ---- | 58 UNCH |
| 1775 | 0.025 | 0.025 | 0.025/*0.023A | 0.025/*0.023A | ---- | 0.024 - 0.013 | .0583 | ---- | ---- | 11 | ---- | 336 - 6 |
| 1785 | ---- | ---- | ----/*0.021A | ----/*0.021A | ---- | 0.021 - 0.012 | .0509 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1790 | ---- | ---- | ----/*0.020A | ----/*0.020A | ---- | 0.020 - 0.011 | .0482 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1800 | 0.021 | 0.021 | 0.021/*0.018 | 0.021/*0.018 | ---- | 0.019 - 0.009 | .0447 | ---- | ---- | 57 | ---- | 412 + 26 |
| 1805 | ---- | ---- | ----/*0.018A | ----/*0.018A | ---- | 0.018 - 0.008 | .0422 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1810 | ---- | ---- | ----/*0.017A | ----/*0.017A | ---- | 0.017 - 0.008 | .0397 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1820 | 0.016 | 0.016 | 0.016/*0.016 | 0.016/*0.016 | ---- | 0.016 - 0.007 | .0367 | ---- | ---- | 5 | ---- | 11 + 3 |
| 1825 | 0.017 | 0.017 | 0.017/*0.016A | 0.017/*0.016A | ---- | 0.015 - 0.007 | .0344 | ---- | ---- | 37 | ---- | 294 - 1 |
| 1830 | ---- | ---- | ----/*0.015A | ----/*0.015A | ---- | 0.015 - 0.006 | .0338 | ---- | ---- | ---- | ---- | 40 UNCH |
| 1835 | 0.014 | 0.014 | 0.014/*0.014 | 0.014/*0.014 | ---- | 0.014 NEW | .0316 | ---- | ---- | 5 | ---- | 5 + 5 |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SO CALL | | COMEX SILVER OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 1840 | ---- | ---- | ----/*0.014A | ----/*0.014A | ---- | 0.014 - 0.005 | .0311 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1845 | ---- | ---- | ----/*0.014A | ----/*0.014A | ---- | 0.013 - 0.005 | .0289 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1850 | 0.015 | 0.015 | 0.015/*0.013A | 0.015/*0.013A | ---- | 0.013 - 0.004 | .0285 | ---- | ---- | 8 | ---- | 337 - 2 |
| 1875 | ---- | ---- | ----/*0.011A | ----/*0.011A | ---- | 0.011 - 0.003 | .0233 | ---- | ---- | 1 | ---- | 250 - 1 |
| 1885 | ---- | ---- | ----/*0.011A | ----/*0.011A | ---- | 0.011 - 0.002 | .0227 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1900 | 0.010 | 0.010 | 0.010/*0.010 | 0.010/*0.010 | ---- | 0.010 - 0.002 | .0203 | ---- | ---- | 14 | ---- | 637 + 7 |
| 1925 | 0.008 | 0.008 | 0.008/*0.008 | 0.008/*0.008 | ---- | 0.009 - 0.001 | .0176 | ---- | ---- | 2 | ---- | 107 + 1 |
| 1950 | 0.008 | 0.008 | 0.008/0.008 | 0.008/0.008 | ---- | 0.008 - 0.001 | .0152 | ---- | ---- | 3 | ---- | 276 UNCH |
| 1975 | ---- | ---- | ---- | ---- | ---- | 0.007 UNCH | .0129 | ---- | ---- | ---- | ---- | 162 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.006 UNCH | .0109 | ---- | ---- | ---- | ---- | 558 UNCH |
| 2025 | 0.005 | 0.005 | 0.005/0.005 | 0.005/0.005 | ---- | 0.005 UNCH | .0089 | ---- | ---- | 1 | ---- | 329 + 1 |
| 2050 | 0.004 | 0.004 | 0.004/*0.003 | 0.004/*0.003 | ---- | 0.004 - 0.001 | .0071 | ---- | ---- | 11 | ---- | 104 - 10 |
| 2075 | 0.004 | 0.004 | 0.004/0.004 | 0.004/0.004 | ---- | 0.003 - 0.001 | .0054 | ---- | ---- | 1 | ---- | 35 + 1 |
| 2100 | 0.004 | 0.004 | 0.004/*0.003 | 0.004/*0.003 | ---- | 0.003 - 0.001 | .0052 | ---- | ---- | 4 | ---- | 201 + 2 |
| 2125 | ---- | ---- | ---- | ---- | ---- | 0.003 UNCH | .0050 | ---- | ---- | ---- | ---- | 37 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 0.002 - 0.001 | .0034 | ---- | ---- | ---- | ---- | 40 UNCH |
| 2175 | ---- | ---- | ----/*0.002A | ----/*0.002A | ---- | 0.002 - 0.001 | .0033 | ---- | ---- | ---- | ---- | 73 UNCH |
| 2200 | 0.003 | 0.003 | 0.003/0.002A | 0.003/0.002A | ---- | 0.002 UNCH | .0032 | ---- | ---- | 1 | ---- | 221 - 1 |
| 2225 | ---- | ---- | ---- | ---- | ---- | 0.002 UNCH | .0031 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0016 | ---- | ---- | ---- | ---- | 26 UNCH |
| 2275 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0012 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2300 | 0.001 | 0.001 | 0.001/*0.001 | 0.001/*0.001 | ---- | 0.001 - 0.001 | .0008 | ---- | ---- | 1 | ---- | 50 - 1 |
| 2325 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0006 | ---- | ---- | ---- | ---- | 9 UNCH |
| 2350 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0004 | ---- | ---- | ---- | ---- | 71 UNCH |
| 2375 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0003 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0002 | ---- | ---- | ---- | ---- | 136 UNCH |
| 2425 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0001 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0001 | ---- | ---- | ---- | ---- | 13 UNCH |
| 2475 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 85 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 41 UNCH |
| 2575 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 15 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | .0000 | ---- | ---- | ---- | ---- | 113 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 4 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 9 UNCH |
| TOTAL | | | | | | | | | | 2714 | 0 | 11488 + 992 |
| SEP18 | | | | | | | | | | | | |
| 725 | ---- | ---- | 9.087B/*8.873A | 9.087B/*8.873A | ---- | 8.987 - 0.094 | .0000 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1300 | ---- | ---- | 3.355B/*3.049A | 3.355B/*3.049A | ---- | 3.239 - 0.093 | .9898 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1350 | ---- | ---- | 2.857B/*2.553A | 2.857B/*2.553A | ---- | 2.741 - 0.094 | .9838 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1375 | ---- | ---- | 2.609B/*2.307A | 2.609B/*2.307A | ---- | 2.493 - 0.094 | .9795 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1400 | ---- | ---- | 2.362B/*2.062A | 2.362B/*2.062A | ---- | 2.246 - 0.094 | .9732 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1425 | ---- | ---- | 2.116B/*1.821A | 2.116B/*1.821A | ---- | 2.001 - 0.094 | .9646 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1450 | ---- | ---- | 1.872B/*1.585A | 1.872B/*1.585A | ---- | 1.759 - 0.094 | .9492 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1475 | ---- | ---- | 1.633B/*1.356A | 1.633B/*1.356A | ---- | 1.521 - 0.094 | .9269 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1500 | ---- | ---- | 1.400B/*1.137A | 1.400B/*1.137A | ---- | 1.292 - 0.092 | .8927 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1525 | ---- | ---- | 1.177B/*0.932A | 1.177B/*0.932A | ---- | 1.076 - 0.088 | .8425 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1555 | ---- | ---- | 0.930B/*0.712A | 0.930B/*0.712A | ---- | 0.837 - 0.084 | .7615 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1560 | ---- | ---- | 0.906B/*0.679A | 0.906B/*0.679A | ---- | 0.800 - 0.083 | .7459 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1565 | ---- | ---- | 0.868B/*0.646A | 0.868B/*0.646A | ---- | 0.764 - 0.082 | .7296 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1570 | 0.783 | 0.783 | 0.832B/*0.615A | 0.832B/*0.615A | ---- | 0.729 - 0.081 | .7133 | ---- | ---- | 1 | ---- | 3 + 1 |
| 1575 | 0.748 | 0.748 | 0.796B/*0.585A | 0.796B/*0.585A | ---- | 0.695 - 0.079 | .6959 | ---- | ---- | 6 | ---- | 7 + 2 |
| 1580 | 0.714 | 0.714 | 0.761B/*0.555A | 0.761B/*0.555A | ---- | 0.662 - 0.078 | .6781 | ---- | ---- | 6 | ---- | 8 + 6 |
| 1585 | ---- | ---- | 0.726B/*0.527A | 0.726B/*0.527A | ---- | 0.630 - 0.077 | .6599 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1590 | 0.594 | 0.594 | 0.693B/*0.500A | 0.693B/*0.500A | ---- | 0.599 NEW | .6415 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1600 | 0.535 | 0.535 | 0.630B/*0.449A | 0.630B/*0.449A | ---- | 0.540 - 0.073 | .6040 | ---- | ---- | 19 | ---- | 61 + 2 |
| 1605 | 0.550 | 0.550 | 0.600B/*0.425A | 0.600B/*0.425A | ---- | 0.511 - 0.072 | .5848 | ---- | ---- | 21 | ---- | 16 + 15 |
| 1610 | 0.485 | 0.485 | 0.572B/*0.402A | 0.572B/*0.402A | ---- | 0.484 NEW | .5655 | ---- | ---- | 14 | ---- | 10 + 10 |
| 1615 | 0.482 | 0.482 | 0.547B/*0.380A | 0.547B/*0.380A | ---- | 0.458 - 0.070 | .5462 | ---- | ---- | 6 | ---- | 12 + 6 |
| 1620 | 0.459 | 0.459 | 0.521B/*0.359A | 0.521B/*0.359A | ---- | 0.433 - 0.069 | .5269 | ---- | ---- | 56 | ---- | 48 + 43 |
| 1625 | 0.412 | 0.412 | 0.494B/*0.339A | 0.494B/*0.339A | ---- | 0.409 - 0.068 | .5076 | ---- | ---- | 24 | ---- | 128 UNCH |
| 1630 | ---- | ---- | 0.469B/*0.320A | 0.469B/*0.320A | ---- | 0.387 - 0.065 | .4885 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1635 | 0.372 | 0.372 | 0.446B/*0.302A | 0.446B/*0.302A | ---- | 0.365 - 0.064 | .4695 | ---- | ---- | 1 | ---- | 47 UNCH |
| 1640 | ---- | ---- | 0.422B/*0.285A | 0.422B/*0.285A | ---- | 0.344 - 0.063 | .4507 | ---- | ---- | ---- | ---- | 79 UNCH |
| 1645 | 0.332 | 0.332 | 0.401B/*0.269A | 0.401B/*0.269A | ---- | 0.325 - 0.061 | .4323 | ---- | ---- | 1 | ---- | 14 + 1 |
| 1650 | 0.345 | 0.345 | 0.379B/*0.254A | 0.379B/*0.254A | ---- | 0.306 - 0.059 | .4141 | ---- | ---- | 372 | ---- | 430 - 126 |
| 1655 | ---- | ---- | 0.360B/*0.239A | 0.360B/*0.239A | ---- | 0.289 - 0.057 | .3966 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1660 | 0.272 | 0.272 | 0.341B/*0.226A | 0.341B/*0.226A | ---- | 0.272 - 0.056 | .3792 | ---- | ---- | 4 | ---- | 24 + 4 |
| 1665 | 0.292 | 0.292 | 0.323B/*0.213A | 0.323B/*0.213A | ---- | 0.257 - 0.054 | .3627 | ---- | ---- | 5 | ---- | 5 + 4 |
| 1670 | ---- | ---- | 0.306B/*0.201A | 0.306B/*0.201A | ---- | 0.242 - 0.053 | .3463 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1675 | 0.251 | 0.251 | 0.289B/*0.190A | 0.289B/*0.190A | ---- | 0.228 - 0.051 | .3305 | ---- | ---- | 4 | ---- | 208 UNCH |
| 1680 | 0.233 | 0.233 | 0.274B/*0.179A | 0.274B/*0.179A | ---- | 0.215 - 0.049 | .3153 | ---- | ---- | 24 | ---- | 19 + 16 |
| 1685 | 0.217 | 0.217 | 0.260B/*0.169A | 0.260B/*0.169A | ---- | 0.203 - 0.047 | .3008 | ---- | ---- | 20 | ---- | 16 + 14 |
| 1690 | ---- | ---- | 0.246B/*0.159A | 0.246B/*0.159A | ---- | 0.191 - 0.046 | .2864 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1695 | 0.207 | 0.207 | 0.233B/*0.151A | 0.233B/*0.151A | ---- | 0.180 - 0.045 | .2728 | ---- | ---- | 16 | ---- | 15 + 8 |
| 1700 | 0.190 | 0.190 | 0.219B/*0.142A | 0.219B/*0.142A | ---- | 0.170 - 0.043 | .2599 | ---- | ---- | 26 | ---- | 732 + 15 |
| 1705 | ---- | ---- | 0.209B/*0.134A | 0.209B/*0.134A | ---- | 0.161 - 0.041 | .2479 | ---- | ---- | ---- | ---- | 18 UNCH |
| 1710 | 0.175 | 0.175 | 0.197B/*0.127A | 0.197B/*0.127A | ---- | 0.152 - 0.039 | .2360 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1720 | 0.151 | 0.151 | 0.176B/*0.113A | 0.176B/*0.113A | ---- | 0.136 - 0.036 | .2141 | ---- | ---- | 1 | ---- | 2 + 1 |
| 1725 | 0.149 | 0.149 | 0.168B/*0.107A | 0.168B/*0.107A | ---- | 0.128 - 0.035 | .2033 | ---- | ---- | 27 | ---- | 110 + 10 |
| 1730 | ---- | ---- | 0.157B/*0.101A | 0.157B/*0.101A | ---- | 0.121 - 0.034 | .1935 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1735 | 0.134 | 0.134 | 0.149B/*0.096A | 0.149B/*0.096A | ---- | 0.114 - 0.033 | .1837 | ---- | ---- | 5 | ---- | 5 + 4 |
| 1740 | 0.127 | 0.127 | 0.141B/*0.091A | 0.141B/*0.091A | ---- | 0.108 NEW | .1750 | ---- | ---- | 5 | ---- | 5 + 5 |
| 1745 | ---- | ---- | ----/*0.087A | ----/*0.087A | ---- | 0.102 - 0.031 | .1663 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1750 | 0.111 | 0.111 | 0.129B/*0.083A | 0.129B/*0.083A | ---- | 0.097 - 0.029 | .1586 | ---- | ---- | 30 | ---- | 517 + 2 |
| 1765 | ---- | ---- | ----/*0.071A | ----/*0.071A | ---- | 0.083 - 0.026 | .1372 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1770 | ---- | ---- | ----/*0.068A | ----/*0.068A | ---- | 0.079 - 0.025 | .1309 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1775 | ---- | ---- | ----/*0.065A | ----/*0.065A | ---- | 0.075 - 0.024 | .1247 | ---- | ---- | ---- | ---- | 420 UNCH |
| 1780 | 0.076 | 0.076 | 0.076/*0.062A | 0.076/*0.062A | ---- | 0.072 - 0.023 | .1196 | ---- | ---- | 50 | ---- | 50 + 50 |
| 1785 | ---- | ---- | ----/*0.059A | ----/*0.059A | ---- | 0.068 - 0.023 | .1136 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1790 | 0.066 | 0.066 | 0.066/*0.057A | 0.066/*0.057A | ---- | 0.065 - 0.022 | .1086 | ---- | ---- | 4 | ---- | 5 + 4 |
| 1795 | ---- | ---- | ----/*0.054A | ----/*0.054A | ---- | 0.062 - 0.021 | .1038 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1800 | 0.067 | 0.067 | 0.072/*0.052 | 0.072/*0.052 | ---- | 0.060 - 0.019 | .1000 | ---- | ---- | 39 | ---- | 2319 - 1 |
| 1810 | ---- | ---- | ----/*0.048A | ----/*0.048A | ---- | 0.054 - 0.019 | .0907 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1820 | 0.064 | 0.064 | 0.064/*0.044A | 0.064/*0.044A | ---- | 0.050 NEW | .0837 | ---- | ---- | 2 | ---- | 2 + 2 |
| 1825 | 0.058 | 0.058 | 0.058/*0.042A | 0.058/*0.042A | ---- | 0.048 - 0.016 | .0803 | ---- | ---- | 9 | ---- | 178 + 8 |
| 1835 | ---- | ---- | ----/*0.039A | ----/*0.039A | ---- | 0.044 - 0.014 | .0737 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1840 | ---- | ---- | ----/*0.038A | ----/*0.038A | ---- | 0.042 - 0.014 | .0704 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1845 | 0.042 | 0.042 | 0.043B/*0.036A | 0.043B/*0.036A | ---- | 0.040 - 0.014 | .0672 | ---- | ---- | 1 | ---- | 12 UNCH |
| 1850 | 0.049 | 0.049 | 0.049/*0.035A | 0.049/*0.035A | ---- | 0.039 - 0.012 | .0652 | ---- | ---- | 4 | ---- | 585 + 2 |
| 1855 | ---- | ---- | ----/*0.034A | ----/*0.034A | ---- | 0.037 - 0.012 | .0620 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1865 | ---- | ---- | ----/*0.032A | ----/*0.032A | ---- | 0.035 - 0.011 | .0582 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1875 | 0.030 | 0.030 | 0.031B/*0.030 | 0.031B/*0.030 | ---- | 0.033 - 0.010 | .0545 | ---- | ---- | 9 | ---- | 118 + 8 |
| 1890 | 0.029 | 0.029 | 0.029/*0.027A | 0.029/*0.027A | ---- | 0.030 - 0.009 | .0491 | ---- | ---- | 3 | ---- | 5 + 3 |
| 1900 | 0.035 | 0.035 | 0.035/*0.026A | 0.035/*0.026A | ---- | 0.028 - 0.008 | .0457 | ---- | ---- | 51 | ---- | 1357 - 2 |
| 1925 | ---- | ---- | ----/*0.023A | ----/*0.023A | ---- | 0.024 - 0.007 | .0387 | ---- | ---- | ---- | ---- | 76 UNCH |
| 1950 | 0.019 | 0.019 | 0.020B/*0.019 | 0.020B/*0.019 | ---- | 0.021 - 0.005 | .0333 | ---- | ---- | 11 | ---- | 571 UNCH |
| 1975 | ---- | ---- | ----/*0.018A | ----/*0.018A | ---- | 0.019 - 0.004 | .0295 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2000 | 0.017 | 0.017 | 0.017/*0.016A | 0.017/*0.016A | ---- | 0.017 - 0.004 | .0260 | ---- | ---- | 4 | ---- | 201 + 4 |
| 2025 | 0.014 | 0.014 | 0.014/*0.014 | 0.014/*0.014 | ---- | 0.015 - 0.004 | .0226 | ---- | ---- | 5 | ---- | 97 UNCH |
| 2050 | 0.015 | 0.015 | 0.015/*0.012 | 0.015/*0.012 | ---- | 0.013 - 0.003 | .0195 | ---- | ---- | 15 | ---- | 250 - 10 |
| 2075 | 0.013 | 0.013 | 0.013/*0.011 | 0.013/*0.011 | ---- | 0.012 - 0.003 | .0176 | ---- | ---- | 23 | ---- | 27 - 7 |
| 2100 | 0.010 | 0.010 | 0.012/*0.010 | 0.012/*0.010 | ---- | 0.011 - 0.002 | .0159 | ---- | ---- | 14 | ---- | 686 + 1 |
| 2125 | 0.010 | 0.010 | 0.010/*0.010 | 0.010/*0.010 | ---- | 0.010 - 0.002 | .0142 | ---- | ---- | 10 | ---- | 49 - 10 |
| 2150 | ---- | ---- | ----/*0.009A | ----/*0.009A | ---- | 0.009 - 0.001 | .0127 | ---- | ---- | ---- | ---- | 251 UNCH |
| 2175 | ---- | ---- | ----/*0.008A | ----/*0.008A | ---- | 0.008 - 0.001 | .0112 | ---- | ---- | ---- | ---- | 156 UNCH |
| 2200 | 0.010 | 0.010 | 0.010/*0.007 | 0.010/*0.007 | ---- | 0.007 - 0.001 | .0098 | ---- | ---- | 110 | ---- | 934 UNCH |
| 2225 | ---- | ---- | ----/*0.007A | ----/*0.007A | ---- | 0.006 - 0.002 | .0084 | ---- | ---- | ---- | ---- | 136 UNCH |
| 2250 | 0.006 | 0.006 | 0.006/*0.006 | 0.006/*0.006 | ---- | 0.006 - 0.001 | .0081 | ---- | ---- | 4 | ---- | 16 + 4 |
| 2275 | ---- | ---- | ----/*0.006A | ----/*0.006A | ---- | 0.005 - 0.002 | .0068 | ---- | ---- | ---- | ---- | 101 UNCH |
| 2300 | ---- | ---- | ----/*0.005A | ----/*0.005A | ---- | 0.005 - 0.001 | .0067 | ---- | ---- | 1 | ---- | 235 + 1 |
| 2325 | ---- | ---- | ----/*0.005A | ----/*0.005A | ---- | 0.005 - 0.001 | .0065 | ---- | ---- | ---- | ---- | 31 UNCH |
| 2350 | ---- | ---- | ----/0.005A | ----/0.005A | ---- | 0.004 - 0.002 | .0053 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2375 | ---- | ---- | ----/*0.004A | ----/*0.004A | ---- | 0.004 - 0.001 | .0052 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2400 | 0.004 | 0.004 | 0.004/*0.004 | 0.004/*0.004 | ---- | 0.004 - 0.001 | .0050 | ---- | ---- | 5 | ---- | 559 + 5 |
| 2425 | ---- | ---- | ---- | ---- | ---- | 0.004 UNCH | .0049 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.003 - 0.001 | .0038 | ---- | ---- | ---- | ---- | 35 UNCH |
| 2475 | ---- | ---- | ----/*0.003A | ----/*0.003A | ---- | 0.003 - 0.001 | .0037 | ---- | ---- | ---- | ---- | 50 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.003 UNCH | .0037 | ---- | ---- | ---- | ---- | 273 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.002 - 0.001 | .0024 | ---- | ---- | ---- | ---- | 12 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.002 UNCH | .0023 | ---- | ---- | ---- | ---- | 424 UNCH |
| 2775 | ---- | ---- | ---- | ---- | ---- | 0.002 UNCH | .0022 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2825 | ---- | ---- | ---- | ---- | ---- | 0.002 UNCH | .0021 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.002 + 0.001 | .0020 | ---- | ---- | ---- | ---- | 44 UNCH |
| 3000 | 0.001 | 0.001 | 0.001/*0.001 | 0.001/*0.001 | ---- | 0.002 + 0.001 | .0019 | ---- | ---- | 27 | ---- | 276 + 20 |
| TOTAL | | | | | | | | | | 1106 | 0 | 13348 + 136 |
| OCT18 | | | | | | | | | | | | |

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# METALS OPTIONS PRODUCTS



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**FINAL**



SO CALL — COMEX SILVER OPTIONS

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT18 | | | | | | | | | | | | |
| 1100 | ---- | ---- | 5.471B/*5.163A | 5.471B/*5.163A | ---- | 5.355 - | 0.094 .9954 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1125 | ---- | ---- | 5.221B/*4.913A | 5.221B/*4.913A | ---- | 5.105 - | 0.094 .9952 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1150 | ---- | ---- | 4.971B/*4.663A | 4.971B/*4.663A | ---- | 4.855 - | 0.094 .9939 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1575 | ---- | ---- | 0.951B/*0.746A | 0.951B/*0.746A | ---- | 0.857 - | 0.083 .6997 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1600 | ---- | ---- | 0.788B/*0.606A | 0.788B/*0.606A | ---- | 0.701 - | 0.077 .6256 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1625 | ---- | ---- | 0.654B/*0.487A | 0.654B/*0.487A | ---- | 0.568 - | 0.069 .5482 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1650 | 0.473 | 0.473 | 0.529B/*0.389A | 0.529B/*0.389A | ---- | 0.455 - | 0.062 .4716 | ---- | ---- | 11 | ---- | 31 + 6 |
| 1675 | ---- | ---- | 0.427B/*0.309A | 0.427B/*0.309A | ---- | 0.362 - | 0.056 .3994 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1700 | 0.334 | 0.334 | 0.343B/*0.244A | 0.343B/*0.244A | ---- | 0.286 - | 0.051 .3336 | ---- | ---- | 2 | ---- | 16 + 2 |
| 1725 | ---- | ---- | 0.275B/*0.193A | 0.275B/*0.193A | ---- | 0.226 - | 0.045 .2761 | ---- | ---- | 3 | ---- | 8 - 3 |
| 1750 | 0.200 | 0.200 | 0.221B/*0.153A | 0.221B/*0.153A | ---- | 0.179 - | 0.039 .2271 | ---- | ---- | 150 | ---- | 220 + 115 |
| 1800 | 0.120 | 0.120 | 0.120/*0.099A | 0.120/*0.099A | ---- | 0.114 - | 0.030 .1528 | ---- | ---- | 4 | ---- | 41 UNCH |
| 1825 | ---- | ---- | ----/*0.081A | ----/*0.081A | ---- | 0.093 - | 0.025 .1264 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1850 | 0.080 | 0.080 | 0.080/*0.067A | 0.080/*0.067A | ---- | 0.076 - | 0.022 .1046 | ---- | ---- | 3 | ---- | 36 + 2 |
| 1875 | ---- | ---- | ----/*0.056A | ----/*0.056A | ---- | 0.063 - | 0.019 .0873 | ---- | ---- | ---- | ---- | 42 UNCH |
| 1900 | 0.052 | 0.052 | 0.052/*0.048A | 0.052/*0.048A | ---- | 0.053 - | 0.016 .0736 | ---- | ---- | 1 | ---- | 241 - 1 |
| 1925 | ---- | ---- | ----/*0.041A | ----/*0.041A | ---- | 0.045 - | 0.014 .0625 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1950 | ---- | ---- | ----/*0.036A | ----/*0.036A | ---- | 0.039 - | 0.012 .0538 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1975 | ---- | ---- | ----/*0.032A | ----/*0.032A | ---- | 0.034 - | 0.010 .0466 | ---- | ---- | ---- | ---- | 58 UNCH |
| 2000 | 0.033 | 0.033 | 0.033/*0.029A | 0.033/*0.029A | ---- | 0.030 - | 0.009 .0408 | ---- | ---- | 10 | ---- | 56 + 10 |
| 2025 | ---- | ---- | ----/*0.026A | ----/*0.026A | ---- | 0.027 - | 0.007 .0363 | ---- | ---- | ---- | ---- | 19 UNCH |
| 2050 | ---- | ---- | ----/*0.024A | ----/*0.024A | ---- | 0.024 - | 0.007 .0320 | ---- | ---- | ---- | ---- | 35 UNCH |
| 2075 | 0.025 | 0.025 | 0.025/*0.022A | 0.025/*0.022A | ---- | 0.022 - | 0.005 .0289 | ---- | ---- | 14 | ---- | 25 + 14 |
| 2100 | 0.023 | 0.023 | 0.024/*0.020A | 0.024/*0.020A | ---- | 0.020 - | 0.005 .0260 | ---- | ---- | 102 | ---- | 121 + 89 |
| 2125 | ---- | ---- | ----/*0.019A | ----/*0.019A | ---- | 0.018 - | 0.005 .0232 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2150 | 0.020 | 0.020 | 0.020/*0.018A | 0.020/*0.018A | ---- | 0.017 | NEW .0215 | ---- | ---- | 7 | ---- | 7 + 7 |
| 2175 | 0.016 | 0.016 | 0.016/*0.016 | 0.016/*0.016 | ---- | 0.015 - | 0.004 .0189 | ---- | ---- | 10 | ---- | 14 + 10 |
| 2200 | 0.015 | 0.015 | 0.015/*0.015 | 0.015/*0.015 | ---- | 0.014 - | 0.004 .0174 | ---- | ---- | 10 | ---- | 20 + 10 |
| 2225 | ---- | ---- | ----/*0.014A | ----/*0.014A | ---- | 0.013 - | 0.003 .0160 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2250 | 0.013 | 0.013 | 0.013/*0.013 | 0.013/*0.013 | ---- | 0.013 - | 0.002 .0156 | ---- | ---- | 10 | ---- | 10 + 9 |
| 2300 | ---- | ---- | ----/*0.012A | ----/*0.012A | ---- | 0.011 - | 0.002 .0130 | ---- | ---- | ---- | ---- | 7 UNCH |
| 2325 | ---- | ---- | ----/*0.011A | ----/*0.011A | ---- | 0.010 - | 0.002 .0118 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2350 | ---- | ---- | ----/*0.010A | ----/*0.010A | ---- | 0.010 - | 0.001 .0115 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2400 | ---- | ---- | ----/*0.009A | ----/*0.009A | ---- | 0.008 - | 0.002 .0092 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2425 | 0.009 | 0.009 | 0.009/*0.009 | 0.009/*0.009 | ---- | 0.008 - | 0.001 .0090 | ---- | ---- | 2 | ---- | 13 + 2 |
| 2450 | 0.008 | 0.008 | 0.008/*0.008 | 0.008/*0.008 | ---- | 0.007 - | 0.002 .0079 | ---- | ---- | 2 | ---- | 10 UNCH |
| 2475 | ---- | ---- | ---- | ---- | ---- | 0.007 - | 0.001 .0078 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2500 | 0.008 | 0.008 | 0.008/*0.008 | 0.008/*0.008 | ---- | 0.007 - | 0.001 .0076 | ---- | ---- | 4 | ---- | 18 + 4 |
| 2525 | ---- | ---- | ----/*0.007A | ----/*0.007A | ---- | 0.006 - | 0.002 .0066 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2575 | 0.006 | 0.006 | #0.006/*0.006 | #0.006/*0.006 | ---- | 0.006 | NEW .0064 | ---- | ---- | 2 | ---- | 2 + 2 |
| 2625 | ---- | ---- | ---- | ---- | ---- | 0.006 | UNCH .0062 | ---- | ---- | ---- | ---- | 25 UNCH |
| 2700 | 0.005 | 0.005 | 0.005/*0.005 | 0.005/*0.005 | ---- | 0.006 + | 0.001 .0059 | ---- | ---- | 30 | ---- | 63 + 30 |
| TOTAL | | | | | | | | | | 377 | 0 | 1222 + 308 |
| NOV18 | | | | | | | | | | | | |
| 1650 | ---- | ---- | 0.616B/*0.484A | 0.616B/*0.484A | ---- | 0.552 - | 0.063 .4816 | ---- | ---- | ---- | ---- | 103 UNCH |
| 1675 | ---- | ---- | ----/*0.399A | ----/*0.399A | ---- | 0.457 - | 0.057 .4202 | ---- | ---- | ---- | ---- | 85 UNCH |
| 1700 | ---- | ---- | ----/*0.328A | ----/*0.328A | ---- | 0.377 - | 0.051 .3634 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1750 | ---- | ---- | ----/*0.222A | ----/*0.222A | ---- | 0.254 - | 0.043 .2656 | ---- | ---- | ---- | ---- | 21 UNCH |
| 1800 | ---- | ---- | ----/*0.150A | ----/*0.150A | ---- | 0.173 - | 0.034 .1916 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1825 | ---- | ---- | ----/*0.125A | ----/*0.125A | ---- | 0.144 - | 0.030 .1629 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1850 | ---- | ---- | ----/*0.104A | ----/*0.104A | ---- | 0.120 - | 0.027 .1383 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1900 | 0.088 | 0.088 | 0.088/*0.075A | 0.088/*0.075A | ---- | 0.085 - | 0.022 .1005 | ---- | ---- | 9 | ---- | 21 + 1 |
| 1925 | ---- | ---- | ----/*0.064A | ----/*0.064A | ---- | 0.073 - | 0.019 .0868 | ---- | ---- | ---- | ---- | 26 UNCH |
| 1950 | ---- | ---- | ----/*0.056A | ----/*0.056A | ---- | 0.063 - | 0.017 .0752 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1975 | 0.049 | 0.049 | 0.049/*0.049 | 0.049/*0.049 | ---- | 0.055 - | 0.015 .0656 | ---- | ---- | 23 | ---- | 32 + 23 |
| 2000 | 0.044 | 0.044 | 0.044/*0.043A | 0.044/*0.043A | ---- | 0.048 - | 0.013 .0573 | ---- | ---- | 1 | ---- | 31 + 1 |
| 2025 | ---- | ---- | ----/*0.039A | ----/*0.039A | ---- | 0.042 - | 0.012 .0502 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2050 | ---- | ---- | ----/*0.035A | ----/*0.035A | ---- | 0.038 - | 0.010 .0450 | ---- | ---- | ---- | ---- | 134 UNCH |
| 2075 | ---- | ---- | ----/*0.032A | ----/*0.032A | ---- | 0.034 - | 0.008 .0401 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2100 | ---- | ---- | ----/*0.030A | ----/*0.030A | ---- | 0.031 - | 0.007 .0363 | ---- | ---- | ---- | ---- | 7 UNCH |
| 2125 | ---- | ---- | ----/*0.027A | ----/*0.027A | ---- | 0.028 - | 0.007 .0326 | ---- | ---- | ---- | ---- | 200 UNCH |
| 2150 | ---- | ---- | ----/*0.026A | ----/*0.026A | ---- | 0.026 - | 0.006 .0299 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2175 | ---- | ---- | ----/*0.024A | ----/*0.024A | ---- | 0.024 - | 0.005 .0274 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2200 | ---- | ---- | ----/*0.022A | ----/*0.022A | ---- | 0.022 - | 0.005 .0249 | ---- | ---- | 8 | ---- | 3 - 1 |
| 2250 | ---- | ---- | ----/*0.020A | ----/*0.020A | ---- | 0.019 - | 0.004 .0211 | ---- | ---- | ---- | ---- | 132 UNCH |
| 2300 | ---- | ---- | ----/*0.018A | ----/*0.018A | ---- | 0.017 - | 0.003 .0185 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.014 - | 0.001 .0146 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2425 | ---- | ---- | ---- | ---- | ---- | 0.013 - | 0.001 .0135 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2675 | ---- | ---- | ---- | ---- | ---- | 0.008 - | 0.001 .0077 | ---- | ---- | ---- | ---- | 40 UNCH |
| TOTAL | | | | | | | | | | 41 | 0 | 942 + 24 |
| DEC18 | | | | | | | | | | | | |
| 1275 | ---- | ---- | 3.723B/*3.421A | 3.723B/*3.421A | ---- | 3.609 - | 0.093 .9800 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1375 | ---- | ---- | 2.742B/*2.456A | 2.742B/*2.456A | ---- | 2.633 - | 0.092 .9487 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1400 | ---- | ---- | 2.505B/*2.227A | 2.505B/*2.227A | ---- | 2.399 - | 0.091 .9320 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1425 | ---- | ---- | 2.274B/*2.005A | 2.274B/*2.005A | ---- | 2.170 - | 0.091 .9102 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1450 | ---- | ---- | 2.051B/*1.793A | 2.051B/*1.793A | ---- | 1.949 - | 0.090 .8829 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1500 | ---- | ---- | 1.633B/*1.398A | 1.633B/*1.398A | ---- | 1.538 - | 0.087 .8090 | ---- | ---- | ---- | ---- | 91 UNCH |
| 1575 | ---- | ---- | 1.105B/*0.913A | 1.105B/*0.913A | ---- | 1.020 - | 0.078 .6588 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1600 | 0.896 | 0.896 | 0.956B/*0.783A | 0.956B/*0.783A | ---- | 0.878 - | 0.074 .6024 | ---- | ---- | 11 | ---- | 138 + 9 |
| 1625 | ---- | ---- | 0.825B/*0.670A | 0.825B/*0.670A | ---- | 0.752 - | 0.069 .5452 | ---- | ---- | ---- | ---- | 129 UNCH |
| 1650 | 0.669 | 0.669 | 0.707B/*0.570A | 0.707B/*0.570A | ---- | 0.641 - | 0.064 .4890 | ---- | ---- | 12 | ---- | 632 + 1 |
| 1675 | 0.595 | 0.595 | 0.604B/*0.483A | 0.604B/*0.483A | ---- | 0.545 - | 0.059 .4352 | ---- | ---- | 1 | ---- | 768 + 1 |
| 1700 | 0.475 | 0.475 | 0.505B/*0.409A | 0.505B/*0.409A | ---- | 0.463 - | 0.053 .3849 | ---- | ---- | 266 | ---- | 1028 + 251 |
| 1725 | 0.364 | 0.364 | 0.367B/*0.345A | 0.367B/*0.345A | ---- | 0.392 - | 0.049 .3384 | ---- | ---- | 2 | ---- | 141 UNCH |
| 1750 | 0.347 | 0.347 | 0.363B/*0.290A | 0.363B/*0.290A | ---- | 0.332 - | 0.044 .2962 | ---- | ---- | 47 | ---- | 1426 + 7 |
| 1775 | ---- | ---- | ----/*0.244A | ----/*0.244A | ---- | 0.281 - | 0.040 .2584 | ---- | ---- | ---- | ---- | 355 UNCH |
| 1800 | 0.277 | 0.277 | 0.277/*0.205A | 0.277/*0.205A | ---- | 0.238 - | 0.036 .2248 | ---- | ---- | 2 | ---- | 172 UNCH |
| 1825 | 0.180 | 0.180 | 0.182B/*0.173A | 0.182B/*0.173A | ---- | 0.202 - | 0.033 .1953 | ---- | ---- | 2 | ---- | 24 + 2 |
| 1850 | 0.190 | 0.190 | 0.190/*0.146A | 0.190/*0.146A | ---- | 0.171 - | 0.031 .1692 | ---- | ---- | 2 | ---- | 407 UNCH |
| 1875 | 0.163 | 0.163 | 0.163/*0.124A | 0.163/*0.124A | ---- | 0.146 - | 0.028 .1470 | ---- | ---- | 4 | ---- | 4 + 3 |
| 1900 | 0.142 | 0.142 | 0.142/*0.105A | 0.142/*0.105A | ---- | 0.125 - | 0.025 .1277 | ---- | ---- | 559 | ---- | 877 + 457 |
| 1925 | 0.094 | 0.094 | 0.094/*0.090A | 0.094/*0.090A | ---- | 0.108 - | 0.022 .1116 | ---- | ---- | 1 | ---- | 7 + 1 |
| 1950 | ---- | ---- | ----/*0.077A | ----/*0.077A | ---- | 0.093 - | 0.020 .0972 | ---- | ---- | ---- | ---- | 56 UNCH |
| 1975 | ---- | ---- | ----/*0.067A | ----/*0.067A | ---- | 0.081 - | 0.018 .0853 | ---- | ---- | ---- | ---- | 28 UNCH |
| 2000 | 0.084 | 0.084 | 0.084/*0.056 | 0.084/*0.056 | ---- | 0.071 - | 0.016 .0752 | ---- | ---- | 24 | ---- | 2906 - 7 |
| 2025 | ---- | ---- | ----/*0.052A | ----/*0.052A | ---- | 0.062 - | 0.015 .0661 | ---- | ---- | ---- | ---- | 116 UNCH |
| 2050 | ---- | ---- | ----/*0.047A | ----/*0.047A | ---- | 0.055 - | 0.013 .0587 | ---- | ---- | ---- | ---- | 38 UNCH |
| 2075 | ---- | ---- | ----/*0.042A | ----/*0.042A | ---- | 0.049 - | 0.012 .0524 | ---- | ---- | ---- | ---- | 544 UNCH |
| 2100 | 0.048 | 0.048 | 0.049/*0.038A | 0.049/*0.038A | ---- | 0.044 - | 0.011 .0470 | ---- | ---- | 10 | ---- | 1247 UNCH |
| 2125 | ---- | ---- | ----/*0.035A | ----/*0.035A | ---- | 0.040 - | 0.009 .0425 | ---- | ---- | ---- | ---- | 255 UNCH |
| 2150 | ---- | ---- | ----/*0.032A | ----/*0.032A | ---- | 0.037 - | 0.008 .0390 | ---- | ---- | ---- | ---- | 169 UNCH |
| 2175 | 0.035 | 0.035 | 0.035/*0.030A | 0.035/*0.030A | ---- | 0.034 - | 0.007 .0357 | ---- | ---- | 1 | ---- | 15 UNCH |
| 2200 | 0.036 | 0.036 | 0.036/*0.028A | 0.036/*0.028A | ---- | 0.031 - | 0.007 .0324 | ---- | ---- | 6 | ---- | 684 + 6 |
| 2225 | 0.027 | 0.027 | 0.027/*0.027 | 0.027/*0.027 | ---- | 0.029 - | 0.006 .0301 | ---- | ---- | 1 | ---- | 11 + 1 |
| 2250 | 0.032 | 0.032 | 0.032/*0.025A | 0.032/*0.025A | ---- | 0.028 - | 0.005 .0286 | ---- | ---- | 2 | ---- | 132 - 2 |
| 2275 | ---- | ---- | ----/*0.024A | ----/*0.024A | ---- | 0.026 - | 0.005 .0264 | ---- | ---- | ---- | ---- | 33 UNCH |
| 2300 | ---- | ---- | ----/*0.023A | ----/*0.023A | ---- | 0.025 - | 0.004 .0250 | ---- | ---- | ---- | ---- | 267 UNCH |
| 2325 | ---- | ---- | ----/*0.022A | ----/*0.022A | ---- | 0.024 - | 0.003 .0237 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2350 | ---- | ---- | ----/*0.021A | ----/*0.021A | ---- | 0.023 - | 0.003 .0225 | ---- | ---- | ---- | ---- | 9 UNCH |
| 2375 | ---- | ---- | ----/*0.020A | ----/*0.020A | ---- | 0.022 - | 0.002 .0213 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2400 | 0.020 | 0.020 | 0.021/*0.018 | 0.021/*0.018 | ---- | 0.021 - | 0.002 .0202 | ---- | ---- | 5 | ---- | 987 - 1 |
| 2425 | ---- | ---- | ----/*0.019A | ----/*0.019A | ---- | 0.020 - | 0.002 .0190 | ---- | ---- | ---- | ---- | 66 UNCH |
| 2450 | ---- | ---- | ----/*0.018A | ----/*0.018A | ---- | 0.019 - | 0.002 .0180 | ---- | ---- | ---- | ---- | 29 UNCH |
| 2475 | ---- | ---- | ----/*0.018A | ----/*0.018A | ---- | 0.019 - | 0.001 .0176 | ---- | ---- | ---- | ---- | 19 UNCH |
| 2500 | 0.016 | 0.016 | 0.017B/*0.016 | 0.017B/*0.016 | ---- | 0.018 - | 0.001 .0166 | ---- | ---- | 10 | ---- | 1362 - 10 |
| 2525 | ---- | ---- | ----/*0.016A | ----/*0.016A | ---- | 0.017 - | 0.001 .0156 | ---- | ---- | ---- | ---- | 370 UNCH |
| 2550 | ---- | ---- | ----/*0.016A | ----/*0.016A | ---- | 0.017 - | 0.001 .0154 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2575 | ---- | ---- | ----/*0.015A | ----/*0.015A | ---- | 0.016 - | 0.001 .0144 | ---- | ---- | ---- | ---- | 87 UNCH |
| 2600 | ---- | ---- | ----/*0.015A | ----/*0.015A | ---- | 0.016 | UNCH .0142 | ---- | ---- | 10 | ---- | 324 + 10 |
| 2650 | ---- | ---- | ----/*0.014A | ----/*0.014A | ---- | 0.015 | UNCH .0131 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2700 | 0.013 | 0.013 | 0.013/*0.013 | 0.013/*0.013 | ---- | 0.014 | UNCH .0121 | ---- | ---- | 1 | ---- | 1458 UNCH |
| 2725 | ---- | ---- | ---- | ---- | ---- | 0.014 + | 0.001 .0119 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2750 | ---- | ---- | ---- | ---- | ---- | 0.013 | UNCH .0111 | ---- | ---- | ---- | ---- | 950 UNCH |
| 2775 | ---- | ---- | ---- | ---- | ---- | 0.013 + | 0.001 .0109 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.012 | UNCH .0101 | ---- | ---- | ---- | ---- | 5391 UNCH |
| 2850 | ---- | ---- | ----/*0.011A | ----/*0.011A | ---- | 0.011 - | 0.001 .0092 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2875 | ---- | ---- | ---- | ---- | ---- | 0.011 | UNCH .0091 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.010 - | 0.001 .0083 | ---- | ---- | ---- | ---- | 105 UNCH |
| 2925 | ---- | ---- | ---- | ---- | ---- | 0.010 - | 0.001 .0082 | ---- | ---- | ---- | ---- | 8 UNCH |
| 3000 | 0.009 | 0.009 | 0.009/0.009 | 0.009/0.009 | ---- | 0.009 | UNCH .0073 | ---- | ---- | 16 | ---- | 2593 UNCH |
| 3050 | 0.008 | 0.008 | 0.008/*0.008 | 0.008/*0.008 | ---- | 0.008 | UNCH .0065 | ---- | ---- | 1 | ---- | 2 + 1 |
| 3075 | ---- | ---- | ---- | ---- | ---- | 0.008 | UNCH .0064 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.008 + | 0.001 .0064 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.007 + | 0.001 .0055 | ---- | ---- | ---- | ---- | 155 UNCH |
| 3250 | ---- | ---- | ---- | ---- | ---- | 0.006 | UNCH .0048 | ---- | ---- | ---- | ---- | 4 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.006 + | 0.001 .0047 | ---- | ---- | ---- | ---- | 8 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SO CALL | | COMEX SILVER OPTIONS | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 3325 | ---- | ---- | ---- | ---- | ---- | 0.006 + | 0.001 .0046 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3500 | 0.005 | 0.005 | 0.005/0.005 | 0.005/0.005 | ---- | 0.005 + | 0.001 .0038 | ---- | ---- | 1 | ---- | 1563 + 1 |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.003 | UNCH .0021 | ---- | ---- | ---- | ---- | 428 UNCH |
| 4500 | ---- | ---- | ---- | ---- | ---- | 0.003 | UNCH .0019 | ---- | ---- | ---- | ---- | 1314 UNCH |
| 5000 | ---- | ---- | ---- | ---- | ---- | 0.002 - | 0.001 .0013 | ---- | ---- | ---- | ---- | 654 UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.002 - | 0.001 .0012 | ---- | ---- | ---- | ---- | 543 UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.002 - | 0.001 .0011 | ---- | ---- | ---- | ---- | 542 UNCH |
| TOTAL | | | | | | | | | | 997 | 0 | 31825 + 731 |
| MAR19 | | | | | | | | | | | | |
| 1675 | ---- | ---- | ----/*0.733A | ----/*0.733A | ---- | 0.795 - | 0.065 .4803 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1700 | ---- | ---- | ----/*0.649A | ----/*0.649A | ---- | 0.702 - | 0.062 .4393 | ---- | ---- | ---- | ---- | 104 UNCH |
| 1725 | ---- | ---- | ----/*0.574A | ----/*0.574A | ---- | 0.620 - | 0.058 .4004 | ---- | ---- | ---- | ---- | 199 UNCH |
| 1750 | ---- | ---- | ----/*0.507A | ----/*0.507A | ---- | 0.547 - | 0.055 .3638 | ---- | ---- | ---- | ---- | 360 UNCH |
| 1825 | ---- | ---- | ----/*0.348A | ----/*0.348A | ---- | 0.376 - | 0.044 .2693 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1850 | ---- | ---- | ----/*0.307A | ----/*0.307A | ---- | 0.332 - | 0.041 .2428 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1900 | ---- | ---- | ----/*0.240A | ----/*0.240A | ---- | 0.259 - | 0.035 .1968 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1950 | ---- | ---- | ----/*0.188A | ----/*0.188A | ---- | 0.204 - | 0.029 .1596 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2000 | ---- | ---- | ----/*0.150A | ----/*0.150A | ---- | 0.162 - | 0.025 .1299 | ---- | ---- | ---- | ---- | 1331 UNCH |
| 2025 | ---- | ---- | ----/*0.134A | ----/*0.134A | ---- | 0.145 - | 0.022 .1174 | ---- | ---- | ---- | ---- | 27 UNCH |
| 2050 | ---- | ---- | ----/*0.121A | ----/*0.121A | ---- | 0.130 - | 0.021 .1062 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2100 | 0.113 | 0.113 | 0.113/*0.098A | 0.113/*0.098A | ---- | 0.105 - | 0.018 .0871 | ---- | ---- | 7 | ---- | 92 - 7 |
| 2175 | ---- | ---- | ----/*0.075A | ----/*0.075A | ---- | 0.079 - | 0.015 .0663 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2200 | 0.080 | 0.080 | 0.080/*0.067 | 0.080/*0.067 | ---- | 0.072 - | 0.014 .0606 | ---- | ---- | 53 | ---- | 283 + 23 |
| 2225 | ---- | ---- | ----/*0.064A | ----/*0.064A | ---- | 0.066 - | 0.014 .0557 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2250 | ---- | ---- | ----/*0.060A | ----/*0.060A | ---- | 0.061 - | 0.014 .0514 | ---- | ---- | ---- | ---- | 323 UNCH |
| 2300 | ---- | ---- | ----/*0.052A | ----/*0.052A | ---- | 0.052 - | 0.013 .0439 | ---- | ---- | ---- | ---- | 26 UNCH |
| 2400 | ---- | ---- | ----/*0.042A | ----/*0.042A | ---- | 0.040 - | 0.013 .0334 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2500 | ---- | ---- | ----/*0.036A | ----/*0.036A | ---- | 0.032 - | 0.012 .0263 | ---- | ---- | 1 | ---- | 153 + 1 |
| 2600 | ---- | ---- | ----/*0.031A | ----/*0.031A | ---- | 0.027 - | 0.011 .0217 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2625 | ---- | ---- | ----/*0.030A | ----/*0.030A | ---- | 0.026 - | 0.010 .0208 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2700 | ---- | ---- | ----/0.027A | ----/0.027A | ---- | 0.023 - | 0.010 .0181 | ---- | ---- | ---- | ---- | 21 UNCH |
| 2725 | ---- | ---- | ----/*0.026A | ----/*0.026A | ---- | 0.022 - | 0.009 .0173 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.015 - | 0.002 .0105 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3400 | ---- | ---- | ---- | ---- | ---- | 0.014 - | 0.001 .0093 | ---- | ---- | ---- | ---- | 10 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.012 | UNCH .0071 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 61 | 0 | 3001 + 17 |
| MAY19 | | | | | | | | | | | | |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.101 - | 0.009 .0772 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.072 - | 0.007 .0559 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.054 - | 0.005 .0420 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.036 - | 0.003 .0273 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2775 | ---- | ---- | ---- | ---- | ---- | 0.030 - | 0.002 .0216 | ---- | ---- | ---- | ---- | 3 UNCH |
| TOTAL | | | | | | | | | | | 0 | 27 0 |
| JUL19 | | | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | ---- | 1.064 | NEW .5178 | ---- | ---- | ---- | 30 | 30 + 30 |
| 1700 | ---- | ---- | ---- | ---- | ---- | 0.969 - | 0.061 .4836 | ---- | ---- | ---- | ---- | 115 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 0.881 - | 0.056 .4507 | ---- | ---- | ---- | ---- | 160 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 0.801 - | 0.051 .4193 | ---- | ---- | ---- | ---- | 350 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 0.728 - | 0.047 .3894 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 0.448 - | 0.031 .2638 | ---- | ---- | ---- | ---- | 56 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.305 - | 0.023 .1906 | ---- | ---- | ---- | ---- | 93 UNCH |
| 2025 | ---- | ---- | ---- | ---- | ---- | 0.277 - | 0.022 .1754 | ---- | ---- | ---- | ---- | 65 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.252 - | 0.020 .1616 | ---- | ---- | ---- | ---- | 360 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.209 - | 0.019 .1371 | ---- | ---- | ---- | ---- | 15 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 0.146 - | 0.015 .0993 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.104 - | 0.013 .0727 | ---- | ---- | ---- | ---- | 676 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.077 - | 0.011 .0546 | ---- | ---- | ---- | ---- | 855 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.067 - | 0.010 .0478 | ---- | ---- | ---- | ---- | 725 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.059 - | 0.009 .0421 | ---- | ---- | ---- | ---- | 2874 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.047 - | 0.007 .0335 | ---- | ---- | ---- | ---- | 6333 UNCH |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.043 - | 0.006 .0305 | ---- | ---- | ---- | ---- | 484 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.039 - | 0.006 .0276 | ---- | ---- | ---- | ---- | 1812 UNCH |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.034 - | 0.004 .0236 | ---- | ---- | ---- | ---- | 1609 UNCH |
| 2900 | 0.030 | 0.030 | 0.030/*0.030 | 0.030/*0.030 | ---- | 0.030 - | 0.003 .0205 | ---- | ---- | 1 | ---- | 8421 + 1 |
| 3000 | ---- | ---- | ---- | ---- | ---- | 0.027 - | 0.002 .0181 | ---- | ---- | ---- | ---- | 6796 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.025 - | 0.001 .0164 | ---- | ---- | ---- | ---- | 67 UNCH |
| 3300 | ---- | ---- | ---- | ---- | ---- | 0.021 - | 0.001 .0134 | ---- | ---- | ---- | ---- | 6 UNCH |
| 3500 | 0.019 | 0.019 | 0.019/0.019 | 0.019/0.019 | ---- | 0.019 | UNCH .0117 | ---- | ---- | 1 | ---- | 3632 UNCH |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.016 | UNCH .0090 | ---- | ---- | ---- | ---- | 32 UNCH |
| TOTAL | | | | | | | | | | 2 | 30 | 35569 + 31 |
| DEC19 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 2.357 - | 0.056 .7546 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 1.124 - | 0.039 .4696 | ---- | ---- | ---- | ---- | 430 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 1.041 - | 0.038 .4436 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.964 - | 0.037 .4186 | ---- | ---- | ---- | ---- | 13 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 0.522 - | 0.031 .2564 | ---- | ---- | ---- | ---- | 270 UNCH |
| 2050 | ---- | ---- | ---- | ---- | ---- | 0.450 - | 0.029 .2262 | ---- | ---- | ---- | ---- | 11 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 0.388 - | 0.028 .1993 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2300 | ---- | ---- | ---- | ---- | ---- | 0.223 - | 0.022 .1220 | ---- | ---- | ---- | ---- | 12 UNCH |
| 2400 | ---- | ---- | ---- | ---- | ---- | 0.173 - | 0.019 .0967 | ---- | ---- | ---- | ---- | 201 UNCH |
| 2450 | ---- | ---- | ---- | ---- | ---- | 0.153 - | 0.018 .0863 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 0.137 - | 0.016 .0777 | ---- | ---- | ---- | ---- | 70 UNCH |
| 2550 | ---- | ---- | ---- | ---- | ---- | 0.122 - | 0.015 .0697 | ---- | ---- | ---- | ---- | 560 UNCH |
| 2575 | ---- | ---- | ---- | ---- | ---- | 0.116 - | 0.014 .0663 | ---- | ---- | ---- | ---- | 70 UNCH |
| 2600 | 0.125 | 0.125 | 0.125/*0.125 | 0.125/*0.125 | ---- | 0.110 - | 0.013 .0631 | ---- | ---- | 2 | ---- | 283 + 2 |
| 2650 | ---- | ---- | ---- | ---- | ---- | 0.099 - | 0.012 .0570 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2700 | ---- | ---- | ---- | ---- | ---- | 0.090 - | 0.010 .0519 | ---- | ---- | ---- | ---- | 60 UNCH |
| 2800 | 0.085 | 0.085 | 0.085/*0.085 | 0.085/*0.085 | ---- | 0.075 - | 0.007 .0434 | ---- | ---- | 1 | ---- | 4518 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.064 - | 0.003 .0370 | ---- | ---- | ---- | ---- | 1650 UNCH |
| 3000 | 0.055 | 0.055 | 0.055/*0.053 | 0.055/*0.053 | ---- | 0.055 - | 0.001 .0317 | ---- | ---- | 3 | ---- | 3674 UNCH |
| 3100 | ---- | ---- | ---- | ---- | ---- | 0.048 | UNCH .0276 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3150 | 0.048 | 0.048 | 0.048/*0.048 | 0.048/*0.048 | ---- | 0.045 | UNCH .0258 | ---- | ---- | 1 | ---- | 23 + 1 |
| 3300 | 0.037 | 0.037 | 0.037/*0.037 | 0.037/*0.037 | ---- | 0.038 + | 0.001 .0216 | ---- | ---- | 2 | ---- | 27 + 2 |
| 3500 | ---- | ---- | ---- | ---- | ---- | 0.031 + | 0.002 .0174 | ---- | ---- | ---- | ---- | 42 UNCH |
| 3700 | ---- | ---- | ---- | ---- | ---- | 0.027 + | 0.002 .0148 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | 9 | 0 | 12038 + 5 |
| JUL20 | | | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | ---- | 2.099 - | 0.055 .5901 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 1.578 - | 0.046 .4888 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | 0 | 3 0 |
| DEC20 | | | | | | | | | | | | |
| 2000 | ---- | ---- | ---- | ---- | ---- | 1.310 - | 0.042 .3927 | ---- | ---- | ---- | ---- | 100 UNCH |
| 2600 | ---- | ---- | ---- | ---- | ---- | 0.569 - | 0.032 .1875 | ---- | ---- | 1 | ---- | 2 + 1 |
| 2800 | ---- | ---- | ---- | ---- | ---- | 0.467 - | 0.030 .1544 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2900 | ---- | ---- | ---- | ---- | ---- | 0.428 - | 0.029 .1414 | ---- | ---- | ---- | ---- | 1 UNCH |
| 3200 | ---- | ---- | ---- | ---- | ---- | 0.345 - | 0.028 .1128 | ---- | ---- | 1 | ---- | 3 + 1 |
| TOTAL | | | | | | | | | | 2 | 0 | 107 + 2 |
| JUL21 | | | | | | | | | | | | |
| 1825 | ---- | ---- | ---- | ---- | ---- | 2.187 - | 0.050 .5333 | ---- | ---- | ---- | ---- | 565 UNCH |
| TOTAL | | | | | | | | | | | 0 | 565 0 |
| SO PUT | | COMEX SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 625 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1585 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1590 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1605 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1610 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1615 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 1620 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1625 | ---- | ---- | ---- | ---- | ---- | 0.003 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1630 | ---- | ---- | ---- | ---- | ---- | 0.051 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1635 | ---- | ---- | ---- | ---- | ---- | 0.101 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1640 | ---- | ---- | ---- | ---- | ---- | 0.151 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1645 | ---- | ---- | ---- | ---- | ---- | 0.201 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1650 | ---- | ---- | ---- | ---- | ---- | 0.251 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1655 | ---- | ---- | ---- | ---- | ---- | 0.301 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1660 | ---- | ---- | ---- | ---- | ---- | 0.351 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1665 | ---- | ---- | ---- | ---- | ---- | 0.401 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1670 | ---- | ---- | ---- | ---- | ---- | 0.451 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |

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# METALS OPTIONS PRODUCTS

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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SO PUT | | COMEX SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1675 | ---- | ---- | ---- | ---- | ---- | 0.501 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1680 | ---- | ---- | ---- | ---- | ---- | 0.551 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1685 | ---- | ---- | ---- | ---- | ---- | 0.601 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1690 | ---- | ---- | ---- | ---- | ---- | 0.651 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1695 | ---- | ---- | ---- | ---- | ---- | 0.701 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1700 | ---- | ---- | ---- | ---- | ---- | 0.751 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1710 | ---- | ---- | ---- | ---- | ---- | 0.851 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1720 | ---- | ---- | ---- | ---- | ---- | 0.951 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 1.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1730 | ---- | ---- | ---- | ---- | ---- | 1.051 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1745 | ---- | ---- | ---- | ---- | ---- | 1.201 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 1.251 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 1.501 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 1.751 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 2.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1850 | ---- | ---- | ---- | ---- | ---- | 2.251 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1875 | ---- | ---- | ---- | ---- | ---- | 2.501 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1900 | ---- | ---- | ---- | ---- | ---- | 2.751 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1925 | ---- | ---- | ---- | ---- | ---- | 3.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1950 | ---- | ---- | ---- | ---- | ---- | 3.251 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 1975 | ---- | ---- | ---- | ---- | ---- | 3.501 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2000 | ---- | ---- | ---- | ---- | ---- | 3.751 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2025 | ---- | ---- | ---- | ---- | ---- | 4.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2100 | ---- | ---- | ---- | ---- | ---- | 4.751 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2125 | ---- | ---- | ---- | ---- | ---- | 5.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2150 | ---- | ---- | ---- | ---- | ---- | 5.251 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2175 | ---- | ---- | ---- | ---- | ---- | 5.501 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2200 | ---- | ---- | ---- | ---- | ---- | 5.751 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2225 | ---- | ---- | ---- | ---- | ---- | 6.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2250 | ---- | ---- | ---- | ---- | ---- | 6.251 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2275 | ---- | ---- | ---- | ---- | ---- | 6.501 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 2500 | ---- | ---- | ---- | ---- | ---- | 8.751 | UNCH .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | 0 | 0 0 |
| AUG18 | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 1 UNCH |
| 1125 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 78 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH .0000 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1200 | ---- | ---- | 0.002B/---- | 0.002B/---- | ---- | 0.001 | UNCH .0004 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1225 | ---- | ---- | 0.002B/---- | 0.002B/---- | ---- | 0.001 | UNCH .0009 | ---- | ---- | ---- | ---- | 31 UNCH |
| 1250 | ---- | ---- | 0.002B/---- | 0.002B/---- | ---- | 0.001 | UNCH .0018 | ---- | ---- | ---- | ---- | 125 UNCH |
| 1275 | ---- | ---- | ---- | ---- | ---- | 0.002 | UNCH .0036 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1300 | 0.002 | 0.002 | 0.003B/0.002 | 0.003B/0.002 | ---- | 0.002 | UNCH .0039 | ---- | ---- | 1 | ---- | 23 UNCH |
| 1325 | ---- | ---- | 0.003B/---- | 0.003B/---- | ---- | 0.002 | UNCH .0042 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1350 | ---- | ---- | 0.004B/---- | 0.004B/---- | ---- | 0.003 | UNCH .0064 | ---- | ---- | ---- | ---- | 83 UNCH |
| 1375 | 0.004 | 0.004 | 0.006/0.003A | 0.006/0.003A | ---- | 0.003 - | 0.001 .0070 | ---- | ---- | 10 | ---- | 133 + 5 |
| 1400 | 0.005 | 0.005 | 0.006/0.004A | 0.006/0.004A | ---- | 0.004 - | 0.001 .0097 | ---- | ---- | 21 | ---- | 99 + 1 |
| 1425 | 0.007 | 0.007 | 0.009B/0.006A | 0.009B/0.006A | ---- | 0.005 - | 0.001 .0129 | ---- | ---- | 3 | ---- | 198 UNCH |
| 1450 | 0.008 | 0.008 | 0.014B/0.007A | 0.014B/0.007A | ---- | 0.007 - | 0.001 .0188 | ---- | ---- | 95 | ---- | 153 - 20 |
| 1475 | 0.010 | 0.010 | 0.022B/0.010 | 0.022B/0.010 | ---- | 0.010 - | 0.001 .0280 | ---- | ---- | 91 | ---- | 348 + 1 |
| 1490 | ---- | ---- | #0.030B/0.012A | #0.030B/0.012A | ---- | 0.013 | NEW .0369 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1495 | 0.019 | 0.019 | #0.033B/0.013A | #0.033B/0.013A | ---- | 0.014 - | 0.001 .0401 | ---- | ---- | 7 | ---- | 5 + 3 |
| 1500 | 0.019 | 0.019 | 0.038/0.015A | 0.038/0.015A | ---- | 0.015 - | 0.002 .0434 | ---- | ---- | 160 | ---- | 569 + 31 |
| 1505 | ---- | ---- | #0.041B/0.016A | #0.041B/0.016A | ---- | 0.017 - | 0.002 .0489 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1510 | 0.024 | 0.024 | #0.045B/0.017A | #0.045B/0.017A | ---- | 0.019 - | 0.002 .0545 | ---- | ---- | 5 | ---- | 33 + 3 |
| 1515 | ---- | ---- | #0.050B/0.019A | #0.050B/0.019A | ---- | 0.021 - | 0.002 .0603 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1520 | 0.025 | 0.025 | #0.056B/0.021A | #0.056B/0.021A | ---- | 0.024 - | 0.001 .0682 | ---- | ---- | 25 | ---- | 25 + 24 |
| 1525 | 0.031 | 0.031 | 0.062B/0.023A | 0.062B/0.023A | ---- | 0.027 - | 0.001 .0762 | ---- | ---- | 58 | ---- | 226 - 17 |
| 1530 | 0.038 | 0.038 | #0.069B/0.026A | #0.069B/0.026A | ---- | 0.030 - | 0.002 .0844 | ---- | ---- | 19 | ---- | 18 + 10 |
| 1535 | 0.042 | 0.042 | #0.076B/0.029A | #0.076B/0.029A | ---- | 0.035 | UNCH .0964 | ---- | ---- | 12 | ---- | 16 + 6 |
| 1540 | 0.047 | 0.047 | #0.084B/0.033A | #0.084B/0.033A | ---- | 0.039 - | 0.001 .1068 | ---- | ---- | 39 | ---- | 26 + 13 |
| 1545 | 0.041 | 0.041 | #0.093B/0.037A | #0.093B/0.037A | ---- | 0.045 | UNCH .1208 | ---- | ---- | 47 | ---- | 55 + 27 |
| 1550 | 0.055 | 0.055 | 0.104/0.041A | 0.104/0.041A | ---- | 0.051 + | 0.001 .1348 | ---- | ---- | 1485 | ---- | 1433 + 891 |
| 1555 | 0.059 | 0.059 | #0.114B/0.047A | #0.114B/0.047A | ---- | 0.058 + | 0.002 .1506 | ---- | ---- | 77 | ---- | 51 + 39 |
| 1560 | 0.071 | 0.071 | #0.126B/0.053A | #0.126B/0.053A | ---- | 0.066 + | 0.002 .1679 | ---- | ---- | 48 | ---- | 61 + 13 |
| 1565 | 0.066 | 0.066 | #0.139B/0.060A | #0.139B/0.060A | ---- | 0.074 + | 0.002 .1855 | ---- | ---- | 111 | ---- | 104 + 102 |
| 1570 | 0.075 | 0.075 | #0.153B/0.067A | #0.153B/0.067A | ---- | 0.084 + | 0.003 .2058 | ---- | ---- | 170 | ---- | 151 + 113 |
| 1575 | 0.093 | 0.093 | 0.169B/0.076A | 0.169B/0.076A | ---- | 0.095 + | 0.004 .2273 | ---- | ---- | 504 | ---- | 542 + 207 |
| 1580 | 0.111 | 0.111 | #0.186B/0.087A | #0.186B/0.087A | ---- | 0.108 + | 0.006 .2509 | ---- | ---- | 232 | ---- | 262 + 159 |
| 1585 | 0.145 | 0.145 | #0.205B/0.098A | #0.205B/0.098A | ---- | 0.121 + | 0.007 .2747 | ---- | ---- | 186 | ---- | 355 + 147 |
| 1590 | 0.137 | 0.137 | #0.224B/0.110A | #0.224B/0.110A | ---- | 0.136 + | 0.008 .3002 | ---- | ---- | 146 | ---- | 113 + 31 |
| 1595 | 0.176 | 0.176 | #0.246B/0.123A | #0.246B/0.123A | ---- | 0.153 + | 0.010 .3271 | ---- | ---- | 1 | ---- | 54 + 1 |
| 1600 | 0.164 | 0.164 | 0.270B/0.138A | 0.270B/0.138A | ---- | 0.171 + | 0.012 .3546 | ---- | ---- | 528 | ---- | 1687 + 146 |
| 1605 | 0.168 | 0.168 | #0.295B/0.155A | #0.295B/0.155A | ---- | 0.191 + | 0.015 .3830 | ---- | ---- | 2 | ---- | 35 + 2 |
| 1610 | 0.214 | 0.214 | #0.321B/0.173A | #0.321B/0.173A | ---- | 0.212 + | 0.018 .4117 | ---- | ---- | 21 | ---- | 21 + 1 |
| 1615 | 0.212 | 0.212 | #0.349B/0.192A | #0.349B/0.192A | ---- | 0.234 + | 0.020 .4407 | ---- | ---- | 8 | ---- | 15 + 2 |
| 1620 | 0.260 | 0.260 | #0.379B/0.213A | #0.379B/0.213A | ---- | 0.258 + | 0.022 .4699 | ---- | ---- | 16 | ---- | 39 - 1 |
| 1625 | 0.262 | 0.262 | 0.409B/0.235A | 0.409B/0.235A | ---- | 0.284 + | 0.026 .4991 | ---- | ---- | 621 | ---- | 694 + 74 |
| 1630 | 0.269 | 0.269 | #0.442B/0.259A | #0.442B/0.259A | ---- | 0.310 + | 0.028 .5282 | ---- | ---- | 47 | ---- | 31 - 2 |
| 1635 | 0.339 | 0.339 | #0.476B/0.284A | #0.476B/0.284A | ---- | 0.339 + | 0.031 .5569 | ---- | ---- | 80 | ---- | 46 + 8 |
| 1640 | 0.368 | 0.368 | #0.511B/0.311A | #0.511B/0.311A | ---- | 0.369 + | 0.033 .5851 | ---- | ---- | 44 | ---- | 47 + 16 |
| 1645 | 0.390 | 0.390 | #0.547B/0.340A | #0.547B/0.340A | ---- | 0.400 + | 0.035 .6128 | ---- | ---- | 18 | ---- | 20 + 4 |
| 1650 | 0.409 | 0.409 | 0.584B/0.369A | 0.584B/0.369A | ---- | 0.433 + | 0.038 .6394 | ---- | ---- | 59 | ---- | 590 + 2 |
| 1655 | 0.476 | 0.476 | #0.623B/0.400A | #0.623B/0.400A | ---- | 0.468 + | 0.041 .6645 | ---- | ---- | 15 | ---- | 59 UNCH |
| 1660 | 0.459 | 0.459 | #0.663B/0.433A | #0.663B/0.433A | ---- | 0.504 + | 0.043 .6887 | ---- | ---- | 31 | ---- | 35 + 14 |
| 1665 | 0.548 | 0.548 | #0.703B/0.467A | #0.703B/0.467A | ---- | 0.541 + | 0.046 .7118 | ---- | ---- | 15 | ---- | 17 UNCH |
| 1670 | 0.556 | 0.556 | #0.745B/0.502A | #0.745B/0.502A | ---- | 0.579 + | 0.048 .7329 | ---- | ---- | 27 | ---- | 7 - 3 |
| 1675 | 0.658 | 0.658 | 0.787B/0.539A | 0.787B/0.539A | ---- | 0.619 + | 0.051 .7526 | ---- | ---- | 31 | ---- | 405 + 11 |
| 1680 | 0.661 | 0.661 | #0.830B/0.576A | #0.830B/0.576A | ---- | 0.659 + | 0.053 .7720 | ---- | ---- | 53 | ---- | 102 + 38 |
| 1685 | 0.649 | 0.649 | #0.874B/0.615A | #0.874B/0.615A | ---- | 0.701 + | 0.056 .7889 | ---- | ---- | 1 | ---- | 23 UNCH |
| 1690 | 0.793 | 0.793 | #0.919B/0.655A | #0.919B/0.655A | ---- | 0.743 + | 0.058 .8055 | ---- | ---- | 1 | ---- | 159 UNCH |
| 1695 | ---- | ---- | #0.964B/0.696A | #0.964B/0.696A | ---- | 0.787 + | 0.061 .8205 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1700 | ---- | ---- | 1.009B/0.738A | 1.009B/0.738A | ---- | 0.830 + | 0.062 .8340 | ---- | ---- | 6 | ---- | 288 UNCH |
| 1705 | ---- | ---- | #1.055B/0.781A | #1.055B/0.781A | ---- | 0.875 + | 0.064 .8458 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1710 | ---- | ---- | #1.101B/0.824A | #1.101B/0.824A | ---- | 0.920 + | 0.066 .8574 | ---- | ---- | ---- | ---- | 46 UNCH |
| 1720 | ---- | ---- | #1.195B/0.913A | #1.195B/0.913A | ---- | 1.011 + | 0.069 .8767 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1725 | 1.000 | 1.000 | 1.242B/0.958A | 1.242B/0.958A | ---- | 1.058 + | 0.071 .8861 | ---- | ---- | 53 | ---- | 146 + 36 |
| 1730 | ---- | ---- | #1.289B/1.003A | #1.289B/1.003A | ---- | 1.104 + | 0.071 .8937 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1750 | 1.228 | 1.228 | 1.481B/1.189A | 1.481B/1.189A | ---- | 1.294 + | 0.077 .9206 | ---- | ---- | 10 | ---- | 69 + 10 |
| 1765 | ---- | ---- | #1.627B/1.331A | #1.627B/1.331A | ---- | 1.438 + | 0.079 .9339 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1775 | ---- | ---- | 1.725B/1.427A | 1.725B/1.427A | ---- | 1.535 + | 0.081 .9417 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1780 | ---- | ---- | #1.774B/1.475A | #1.774B/1.475A | ---- | 1.584 + | 0.082 .9445 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1790 | ---- | ---- | #1.872B/1.572A | #1.872B/1.572A | ---- | 1.682 + | 0.084 .9517 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1800 | ---- | ---- | #1.971B/1.669A | #1.971B/1.669A | ---- | 1.780 + | 0.085 .9552 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1825 | ---- | ---- | #2.217B/1.914A | #2.217B/1.914A | ---- | 2.026 + | 0.087 .9655 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1850 | ---- | ---- | #2.465B/2.160A | #2.465B/2.160A | ---- | 2.274 + | 0.090 .9714 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1875 | ---- | ---- | #2.713B/2.408A | #2.713B/2.408A | ---- | 2.522 + | 0.091 .9766 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1925 | ---- | ---- | #3.211B/2.904A | #3.211B/2.904A | ---- | 3.019 + | 0.093 .9823 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1950 | ---- | ---- | #3.460B/3.152A | #3.460B/3.152A | ---- | 3.268 + | 0.093 .9848 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1975 | ---- | ---- | #3.709B/3.401A | #3.709B/3.401A | ---- | 3.517 + | 0.094 .9870 | ---- | ---- | ---- | ---- | 13 UNCH |
| 2000 | ---- | ---- | #3.958B/3.650A | #3.958B/3.650A | ---- | 3.766 + | 0.094 .9890 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2075 | ---- | ---- | #4.706B/4.398A | #4.706B/4.398A | ---- | 4.514 + | 0.094 .9945 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 5241 | 0 | 10191 + 2149 |
| SEP18 | | | | | | | | | | | | |
| 725 | ---- | ---- | ---- | ---- | ---- | 0.001 | UNCH ---- | ---- | ---- | ---- | ---- | 3 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 0.002 + | 0.001 .0025 | ---- | ---- | ---- | ---- | 43 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 0.002 | UNCH .0028 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1200 | ---- | ---- | ---- | ---- | ---- | 0.003 | UNCH .0044 | ---- | ---- | ---- | ---- | 61 UNCH |
| 1225 | ---- | ---- | ---- | ---- | ---- | 0.004 + | 0.001 .0060 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1250 | ---- | ---- | ---- | ---- | ---- | 0.004 | UNCH .0064 | ---- | ---- | ---- | ---- | 391 UNCH |
| 1275 | ---- | ---- | ---- | ---- | ---- | 0.005 | UNCH .0081 | ---- | ---- | ---- | ---- | 9 UNCH |
| 1300 | ---- | ---- | 0.007B/---- | 0.007B/---- | ---- | 0.006 | UNCH .0101 | ---- | ---- | ---- | ---- | 49 UNCH |
| 1325 | ---- | ---- | 0.009B/---- | 0.009B/---- | ---- | 0.007 | UNCH .0123 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1350 | 0.010 | 0.010 | 0.011B/0.009A | 0.011B/0.009A | ---- | 0.009 + | 0.001 .0161 | ---- | ---- | 4 | ---- | 237 UNCH |
| 1375 | 0.012 | 0.012 | 0.015B/0.011A | 0.015B/0.011A | ---- | 0.011 + | 0.001 .0204 | ---- | ---- | 5 | ---- | 55 UNCH |
| 1400 | 0.016 | 0.016 | 0.021B/0.014A | 0.021B/0.014A | ---- | 0.014 + | 0.001 .0267 | ---- | ---- | 50 | ---- | 342 + 5 |
| 1425 | 0.028 | 0.028 | 0.029B/0.028 | 0.029B/0.028 | ---- | 0.018 | UNCH .0353 | ---- | ---- | 2 | ---- | 71 UNCH |
| 1450 | ---- | ---- | 0.043B/0.025A | 0.043B/0.025A | ---- | 0.026 | UNCH .0507 | ---- | ---- | 6 | ---- | 453 + 4 |
| 1475 | 0.061 | 0.061 | 0.064B/0.035A | 0.064B/0.035A | ---- | 0.038 | UNCH .0730 | ---- | ---- | 9 | ---- | 243 - 1 |
| 1480 | 0.056 | 0.056 | #0.069B/0.038A | #0.069B/0.038A | ---- | 0.041 | UNCH .0785 | ---- | ---- | 1 | ---- | 5 + 1 |
| 1495 | 0.055 | 0.055 | #0.088B/0.048A | #0.088B/0.048A | ---- | 0.053 | NEW .0991 | ---- | ---- | 2 | ---- | 2 + 2 |
| 1500 | 0.064 | 0.064 | 0.095B/0.052A | 0.095B/0.052A | ---- | 0.058 + | 0.002 .1072 | ---- | ---- | 39 | ---- | 215 + 17 |
| 1505 | 0.068 | 0.068 | #0.103B/0.057A | #0.103B/0.057A | ---- | 0.064 + | 0.003 .1165 | ---- | ---- | 15 | ---- | 16 + 15 |
| 1510 | 0.078 | 0.078 | #0.111B/0.062A | #0.111B/0.062A | ---- | 0.070 + | 0.003 .1259 | ---- | ---- | 22 | ---- | 37 + 15 |
| 1515 | 0.084 | 0.084 | #0.120B/0.067A | #0.120B/0.067A | ---- | 0.076 + | 0.004 .1353 | ---- | ---- | 5 | ---- | 6 + 4 |
| 1520 | 0.122 | 0.122 | #0.130B/0.073A | #0.130B/0.073A | ---- | 0.083 + | 0.004 .1459 | ---- | ---- | 20 | ---- | 46 + 10 |
| 1525 | 0.100 | 0.100 | 0.140B/0.080A | 0.140B/0.080A | ---- | 0.091 + | 0.005 .1574 | ---- | ---- | 46 | ---- | 130 + 24 |

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| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SO PUT | | COMEX SILVER OPTIONS | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 1530 | 0.110 | 0.110 | #0.151B/0.087A | #0.151B/0.087A | ---- | 0.100 + 0.007 | .1699 | ---- | ---- | 12 | ---- | 14 + 12 |
| 1535 | ---- | ---- | #0.163B/0.094A | #0.163B/0.094A | ---- | 0.108 + 0.007 | .1815 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1540 | ---- | ---- | #0.175B/0.103A | #0.175B/0.103A | ---- | 0.118 + 0.007 | .1949 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1545 | ---- | ---- | #0.189B/0.112A | #0.189B/0.112A | ---- | 0.128 + 0.008 | .2084 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1550 | 0.141 | 0.141 | 0.203B/0.121A | 0.203B/0.121A | ---- | 0.140 + 0.009 | .2234 | ---- | ---- | 51 | ---- | 354 + 12 |
| 1555 | ---- | ---- | #0.218B/0.132A | #0.218B/0.132A | ---- | 0.152 + 0.010 | .2384 | ---- | ---- | ---- | ---- | 34 UNCH |
| 1560 | 0.223 | 0.223 | #0.235B/0.143A | #0.235B/0.143A | ---- | 0.165 + 0.011 | .2540 | ---- | ---- | 25 | ---- | 53 + 24 |
| 1565 | ---- | ---- | #0.252B/0.156A | #0.252B/0.156A | ---- | 0.179 + 0.012 | .2703 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1570 | 0.194 | 0.194 | #0.270B/0.169A | #0.270B/0.169A | ---- | 0.193 + 0.012 | .2866 | ---- | ---- | 2 | ---- | 25 + 2 |
| 1575 | 0.195 | 0.195 | 0.290B/0.183A | 0.290B/0.183A | ---- | 0.209 + 0.014 | .3040 | ---- | ---- | 286 | ---- | 345 + 109 |
| 1580 | 0.235 | 0.235 | #0.310B/0.198A | #0.310B/0.198A | ---- | 0.226 + 0.016 | .3218 | ---- | ---- | 8 | ---- | 7 UNCH |
| 1585 | 0.246 | 0.246 | #0.332B/0.215A | #0.332B/0.215A | ---- | 0.244 + 0.017 | .3400 | ---- | ---- | 7 | ---- | 8 + 7 |
| 1590 | 0.265 | 0.265 | #0.354B/0.231A | #0.354B/0.231A | ---- | 0.263 + 0.019 | .3584 | ---- | ---- | 9 | ---- | 45 + 9 |
| 1595 | ---- | ---- | #0.378B/0.249A | #0.378B/0.249A | ---- | 0.282 + 0.019 | .3770 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1600 | 0.309 | 0.309 | 0.403B/0.268A | 0.403B/0.268A | ---- | 0.303 + 0.021 | .3959 | ---- | ---- | 91 | ---- | 712 - 2 |
| 1605 | ---- | ---- | #0.429B/0.288A | #0.429B/0.288A | ---- | 0.325 + 0.022 | .4151 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1610 | 0.361 | 0.361 | #0.456B/0.309A | #0.456B/0.309A | ---- | 0.348 + 0.023 | .4344 | ---- | ---- | 1 | ---- | 3 + 1 |
| 1615 | 0.352 | 0.352 | #0.484B/0.332A | #0.484B/0.332A | ---- | 0.372 NEW | .4537 | ---- | ---- | 7 | ---- | 4 + 4 |
| 1620 | 0.376 | 0.376 | #0.513B/0.355A | #0.513B/0.355A | ---- | 0.396 + 0.025 | .4730 | ---- | ---- | 11 | ---- | 8 + 7 |
| 1625 | 0.462 | 0.462 | 0.543B/0.378A | 0.543B/0.378A | ---- | 0.422 + 0.026 | .4923 | ---- | ---- | 153 | ---- | 540 + 84 |
| 1630 | 0.430 | 0.430 | #0.574B/0.403A | #0.574B/0.403A | ---- | 0.450 + 0.029 | .5114 | ---- | ---- | 11 | ---- | 3 UNCH |
| 1635 | 0.490 | 0.490 | #0.606B/0.430A | #0.606B/0.430A | ---- | 0.478 + 0.030 | .5304 | ---- | ---- | 15 | ---- | 11 + 8 |
| 1640 | 0.547 | 0.547 | #0.638B/0.457A | #0.638B/0.457A | ---- | 0.507 + 0.031 | .5492 | ---- | ---- | 5 | ---- | 20 + 4 |
| 1645 | 0.546 | 0.546 | #0.672B/0.485A | #0.672B/0.485A | ---- | 0.537 + 0.033 | .5676 | ---- | ---- | 6 | ---- | 12 UNCH |
| 1650 | 0.522 | 0.522 | 0.707B/0.514A | 0.707B/0.514A | ---- | 0.569 + 0.035 | .5858 | ---- | ---- | 7 | ---- | 539 - 5 |
| 1655 | 0.590 | 0.590 | #0.742B/0.545A | #0.742B/0.545A | ---- | 0.601 + 0.036 | .6033 | ---- | ---- | 18 | ---- | 23 + 6 |
| 1660 | 0.742 | 0.742 | #0.778B/0.576A | #0.778B/0.576A | ---- | 0.634 + 0.038 | .6207 | ---- | ---- | 1 | ---- | 10 + 1 |
| 1665 | 0.778 | 0.778 | #0.815B/0.606A | #0.815B/0.606A | ---- | 0.668 + 0.039 | .6373 | ---- | ---- | 1 | ---- | 20 - 1 |
| 1670 | 0.801 | 0.801 | #0.853B/0.642A | #0.853B/0.642A | ---- | 0.704 + 0.042 | .6536 | ---- | ---- | 1 | ---- | 10 UNCH |
| 1675 | 0.750 | 0.750 | 0.891B/0.675A | 0.891B/0.675A | ---- | 0.740 + 0.043 | .6694 | ---- | ---- | 5 | ---- | 77 + 4 |
| 1680 | 0.786 | 0.786 | #0.930B/0.710A | #0.930B/0.710A | ---- | 0.776 + 0.044 | .6846 | ---- | ---- | 6 | ---- | 49 - 6 |
| 1685 | 0.845 | 0.845 | #0.970B/0.745A | #0.970B/0.745A | ---- | 0.814 + 0.046 | .6991 | ---- | ---- | 6 | ---- | 2 - 4 |
| 1690 | 0.929 | 0.929 | #1.010B/0.782A | #1.010B/0.782A | ---- | 0.852 + 0.047 | .7135 | ---- | ---- | 1 | ---- | 30 UNCH |
| 1695 | 0.969 | 0.969 | #1.051B/0.819A | #1.051B/0.819A | ---- | 0.891 + 0.049 | .7271 | ---- | ---- | 2 | ---- | 15 UNCH |
| 1700 | 0.922 | 0.922 | 1.093B/0.856A | 1.093B/0.856A | ---- | 0.931 + 0.051 | .7400 | ---- | ---- | 23 | ---- | 215 + 2 |
| 1710 | ---- | ---- | #1.177B/0.934A | #1.177B/0.934A | ---- | 1.013 + 0.055 | .7639 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1715 | ---- | ---- | #1.220B/0.974A | #1.220B/0.974A | ---- | 1.054 + 0.056 | .7757 | ---- | ---- | ---- | ---- | 81 UNCH |
| 1725 | ---- | ---- | 1.307B/1.055A | 1.307B/1.055A | ---- | 1.138 + 0.058 | .7966 | ---- | ---- | ---- | ---- | 29 UNCH |
| 1730 | 1.290 | 1.290 | #1.352B/1.096A | #1.352B/1.096A | ---- | 1.181 NEW | .8064 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1745 | ---- | ---- | #1.486B/1.224A | #1.486B/1.224A | ---- | 1.312 + 0.063 | .8336 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1750 | 1.400 | 1.400 | 1.532B/1.267A | 1.532B/1.267A | ---- | 1.356 + 0.064 | .8413 | ---- | ---- | 2 | ---- | 62 UNCH |
| 1775 | ---- | ---- | 1.764B/1.489A | 1.764B/1.489A | ---- | 1.584 + 0.069 | .8752 | ---- | ---- | ---- | ---- | 163 UNCH |
| 1800 | ---- | ---- | 2.000B/1.718A | 2.000B/1.718A | ---- | 1.818 + 0.074 | .8999 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1850 | ---- | ---- | 2.483B/2.191A | 2.483B/2.191A | ---- | 2.297 + 0.082 | .9347 | ---- | ---- | ---- | ---- | 3 UNCH |
| 1900 | ---- | ---- | #2.974B/2.675A | #2.974B/2.675A | ---- | 2.785 + 0.086 | .9542 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1925 | ---- | ---- | #3.220B/2.920A | #3.220B/2.920A | ---- | 3.031 + 0.088 | .9612 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1950 | ---- | ---- | #3.468B/3.166A | #3.468B/3.166A | ---- | 3.278 + 0.089 | .9666 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2000 | ---- | ---- | #3.964B/3.660A | #3.964B/3.660A | ---- | 3.773 + 0.090 | .9740 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2100 | ---- | ---- | #4.959B/4.653A | #4.959B/4.653A | ---- | 4.767 + 0.092 | .9840 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2125 | ---- | ---- | #5.208B/4.902A | #5.208B/4.902A | ---- | 5.016 + 0.093 | .9857 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2150 | ---- | ---- | #5.457B/5.151A | #5.457B/5.151A | ---- | 5.265 + 0.093 | .9872 | ---- | ---- | ---- | ---- | 30 UNCH |
| 2175 | ---- | ---- | #5.707B/5.400A | #5.707B/5.400A | ---- | 5.514 + 0.093 | .9887 | ---- | ---- | ---- | ---- | 146 UNCH |
| 2200 | ---- | ---- | #5.956B/5.649A | #5.956B/5.649A | ---- | 5.764 + 0.093 | .9902 | ---- | ---- | ---- | ---- | 20 UNCH |
| 2225 | ---- | ---- | #6.206B/5.899A | #6.206B/5.899A | ---- | 6.013 + 0.093 | .9915 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2275 | ---- | ---- | #6.705B/6.398A | #6.705B/6.398A | ---- | 6.513 + 0.094 | .9931 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 1000 | 0 | 6267 + 375 |
| OCT18 | | | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | ---- | 0.004 UNCH | .0045 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1125 | ---- | ---- | ---- | ---- | ---- | 0.004 UNCH | .0047 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1300 | ---- | ---- | 0.011B/---- | 0.011B/---- | ---- | 0.009 - 0.001 | .0136 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1325 | ---- | ---- | 0.014B/---- | 0.014B/---- | ---- | 0.011 - 0.001 | .0170 | ---- | ---- | ---- | ---- | 82 UNCH |
| 1350 | 0.014 | 0.014 | 0.018B/0.014 | 0.018B/0.014 | ---- | 0.013 - 0.001 | .0208 | ---- | ---- | 7 | ---- | 67 UNCH |
| 1375 | ---- | ---- | 0.023B/---- | 0.023B/---- | ---- | 0.016 - 0.002 | .0263 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1400 | ---- | ---- | 0.032B/---- | 0.032B/---- | ---- | 0.022 - 0.001 | .0359 | ---- | ---- | ---- | ---- | 41 UNCH |
| 1425 | 0.034 | 0.034 | 0.045B/0.031A | 0.045B/0.031A | ---- | 0.030 - 0.001 | .0487 | ---- | ---- | 34 | ---- | 36 + 34 |
| 1450 | 0.045 | 0.045 | 0.064B/0.041 | 0.064B/0.041 | ---- | 0.042 - 0.001 | .0669 | ---- | ---- | 2 | ---- | 105 + 2 |
| 1475 | ---- | ---- | 0.091B/0.059A | 0.091B/0.059A | ---- | 0.061 UNCH | .0936 | ---- | ---- | ---- | ---- | 60 UNCH |
| 1500 | 0.120 | 0.120 | 0.129B/0.083A | 0.129B/0.083A | ---- | 0.089 + 0.002 | .1297 | ---- | ---- | 2 | ---- | 22 + 1 |
| 1525 | 0.131 | 0.131 | 0.179B/0.118A | 0.179B/0.118A | ---- | 0.128 + 0.004 | .1758 | ---- | ---- | 28 | ---- | 87 + 25 |
| 1550 | 0.217 | 0.217 | 0.246B/0.167A | 0.246B/0.167A | ---- | 0.182 + 0.007 | .2329 | ---- | ---- | 2 | ---- | 75 + 2 |
| 1575 | ---- | ---- | 0.333B/0.233A | 0.333B/0.233A | ---- | 0.255 + 0.011 | .3002 | ---- | ---- | 3 | ---- | 23 - 3 |
| 1600 | ---- | ---- | 0.442B/0.320A | 0.442B/0.320A | ---- | 0.348 + 0.017 | .3743 | ---- | ---- | 9 | ---- | 51 UNCH |
| 1625 | 0.442 | 0.442 | 0.572B/0.426A | 0.572B/0.426A | ---- | 0.463 + 0.024 | .4517 | ---- | ---- | 7 | ---- | 211 + 6 |
| 1650 | ---- | ---- | 0.723B/0.554A | 0.723B/0.554A | ---- | 0.599 + 0.031 | .5283 | ---- | ---- | 5 | ---- | 53 UNCH |
| 1675 | ---- | ---- | 0.891B/0.701A | 0.891B/0.701A | ---- | 0.755 + 0.038 | .6005 | ---- | ---- | ---- | ---- | 22 UNCH |
| 1700 | ---- | ---- | 1.075B/0.867A | 1.075B/0.867A | ---- | 0.929 + 0.044 | .6663 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1725 | ---- | ---- | 1.273B/1.048A | 1.273B/1.048A | ---- | 1.118 + 0.049 | .7238 | ---- | ---- | ---- | ---- | 17 UNCH |
| 1750 | ---- | ---- | 1.482B/1.244A | 1.482B/1.244A | ---- | 1.319 + 0.054 | .7728 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1775 | ---- | ---- | 1.701B/1.450A | 1.701B/1.450A | ---- | 1.532 + 0.059 | .8139 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1800 | ---- | ---- | 1.927B/1.666A | 1.927B/1.666A | ---- | 1.753 + 0.064 | .8471 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1825 | ---- | ---- | #2.158B/1.890A | #2.158B/1.890A | ---- | 1.981 + 0.068 | .8735 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2150 | ---- | ---- | #5.343B/5.039A | #5.343B/5.039A | ---- | 5.151 + 0.091 | .9784 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2200 | ---- | ---- | #5.841B/5.536A | #5.841B/5.536A | ---- | 5.649 + 0.092 | .9825 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 99 | 0 | 1059 + 67 |
| NOV18 | | | | | | | | | | | | |
| 1275 | ---- | ---- | ---- | ---- | ---- | 0.011 - 0.001 | .0150 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1300 | ---- | ---- | 0.015B/---- | 0.015B/---- | ---- | 0.013 - 0.001 | .0182 | ---- | ---- | ---- | ---- | 15 UNCH |
| 1350 | ---- | ---- | 0.026B/---- | 0.026B/---- | ---- | 0.020 - 0.001 | .0287 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1375 | ---- | ---- | 0.036B/---- | 0.036B/---- | ---- | 0.026 UNCH | .0374 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1400 | 0.040 | 0.040 | 0.050B/0.037A | 0.050B/0.037A | ---- | 0.036 + 0.001 | .0507 | ---- | ---- | 2 | ---- | 27 UNCH |
| 1425 | ---- | ---- | 0.071B/---- | 0.071B/---- | ---- | 0.050 + 0.001 | .0685 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1450 | 0.079 | 0.079 | 0.099B/0.079 | 0.099B/0.079 | ---- | 0.070 UNCH | .0924 | ---- | ---- | 13 | ---- | 20 + 2 |
| 1475 | ---- | ---- | 0.136B/0.096A | 0.136B/0.096A | ---- | 0.099 + 0.001 | .1241 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1500 | 0.144 | 0.144 | 0.184B/0.133A | 0.184B/0.133A | ---- | 0.139 + 0.004 | .1639 | ---- | ---- | 1 | ---- | 45 + 1 |
| 1525 | ---- | ---- | 0.245B/0.180A | 0.245B/0.180A | ---- | 0.191 + 0.007 | .2110 | ---- | ---- | ---- | ---- | 16 UNCH |
| 1550 | ---- | ---- | 0.323B/0.241A | 0.323B/0.241A | ---- | 0.256 + 0.009 | .2646 | ---- | ---- | 8 | ---- | 24 + 2 |
| 1575 | ---- | ---- | 0.418B/0.318A | 0.418B/0.318A | ---- | 0.339 + 0.013 | .3246 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1600 | 0.459 | 0.459 | 0.533B/0.413A | 0.533B/0.413A | ---- | 0.439 + 0.017 | .3884 | ---- | ---- | 1 | ---- | 16 UNCH |
| 1625 | 0.540 | 0.540 | 0.665B/0.525A | 0.665B/0.525A | ---- | 0.559 NEW | .4539 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1650 | ---- | ---- | #0.814B/0.655A | #0.814B/0.655A | ---- | 0.696 + 0.030 | .5183 | ---- | ---- | ---- | ---- | 105 UNCH |
| 1750 | ---- | ---- | #1.546B/1.326A | #1.546B/1.326A | ---- | 1.394 + 0.051 | .7343 | ---- | ---- | ---- | ---- | 13 UNCH |
| 1950 | ---- | ---- | #3.376B/3.097A | #3.376B/3.097A | ---- | 3.195 + 0.077 | .9248 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1975 | ---- | ---- | #3.619B/3.336A | #3.619B/3.336A | ---- | 3.436 + 0.079 | .9343 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2000 | ---- | ---- | #3.863B/3.577A | #3.863B/3.577A | ---- | 3.679 + 0.081 | .9426 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2125 | ---- | ---- | #5.097B/4.800A | #5.097B/4.800A | ---- | 4.908 + 0.088 | .9673 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2150 | ---- | ---- | #5.345B/5.047A | #5.345B/5.047A | ---- | 5.156 + 0.089 | .9700 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2175 | ---- | ---- | #5.594B/5.294A | #5.594B/5.294A | ---- | 5.403 + 0.089 | .9725 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2225 | ---- | ---- | #6.091B/5.790A | #6.091B/5.790A | ---- | 5.900 + 0.090 | .9773 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2250 | ---- | ---- | #6.340B/6.038A | #6.340B/6.038A | ---- | 6.149 + 0.091 | .9788 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2275 | ---- | ---- | #6.589B/6.287A | #6.589B/6.287A | ---- | 6.398 + 0.092 | .9801 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2525 | ---- | ---- | #9.087B/8.781A | #9.087B/8.781A | ---- | 8.895 + 0.094 | .9889 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2550 | ---- | ---- | #9.337B/9.030A | #9.337B/9.030A | ---- | 9.145 + 0.094 | .9899 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 26 | 0 | 353 + 6 |
| DEC18 | | | | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | ---- | 0.004 UNCH | .0032 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.006 UNCH | .0052 | ---- | ---- | ---- | ---- | 233 UNCH |
| 1075 | ---- | ---- | ---- | ---- | ---- | 0.007 - 0.001 | .0068 | ---- | ---- | ---- | ---- | 145 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 0.008 UNCH | .0080 | ---- | ---- | ---- | ---- | 266 UNCH |
| 1125 | ---- | ---- | ---- | ---- | ---- | 0.008 - 0.001 | .0084 | ---- | ---- | ---- | ---- | 31 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 0.009 - 0.001 | .0097 | ---- | ---- | ---- | ---- | 11 UNCH |
| 1175 | 0.010 | 0.010 | 0.010/*0.010 | 0.010/*0.010 | ---- | 0.010 UNCH | .0111 | ---- | ---- | 5 | ---- | 15 + 5 |
| 1200 | 0.012 | 0.012 | 0.012/0.011 | 0.012/0.011 | ---- | 0.011 UNCH | .0126 | ---- | ---- | 46 | ---- | 8298 UNCH |
| 1225 | ---- | ---- | ---- | ---- | ---- | 0.012 UNCH | .0142 | ---- | ---- | ---- | ---- | 485 UNCH |
| 1250 | ---- | ---- | 0.014B/---- | 0.014B/---- | ---- | 0.014 + 0.001 | .0170 | ---- | ---- | ---- | ---- | 1143 UNCH |
| 1275 | ---- | ---- | 0.017B/---- | 0.017B/---- | ---- | 0.016 + 0.001 | .0200 | ---- | ---- | ---- | ---- | 646 UNCH |
| 1300 | ---- | ---- | 0.021B/---- | 0.021B/---- | ---- | 0.020 + 0.002 | .0251 | ---- | ---- | 10 | ---- | 1896 + 10 |
| 1325 | ---- | ---- | 0.028B/---- | 0.028B/---- | ---- | 0.024 + 0.002 | .0306 | ---- | ---- | ---- | ---- | 38 UNCH |
| 1350 | 0.035 | 0.035 | 0.038B/0.035 | 0.038B/0.035 | ---- | 0.031 + 0.002 | .0393 | ---- | ---- | 20 | ---- | 980 UNCH |
| 1375 | 0.050 | 0.050 | 0.052B/0.050 | 0.052B/0.050 | ---- | 0.041 + 0.002 | .0513 | ---- | ---- | 13 | ---- | 65 - 1 |
| 1400 | 0.062 | 0.062 | 0.072/0.053 | 0.072/0.053 | ---- | 0.056 + 0.002 | .0679 | ---- | ---- | 23 | ---- | 854 + 17 |
| 1425 | 0.094 | 0.094 | 0.100B/0.094 | 0.100B/0.094 | ---- | 0.077 + 0.003 | .0898 | ---- | ---- | 1 | ---- | 173 UNCH |
| 1450 | 0.115 | 0.115 | 0.136B/0.101A | 0.136B/0.101A | ---- | 0.105 + 0.003 | .1170 | ---- | ---- | 23 | ---- | 487 - 4 |
| 1475 | 0.180 | 0.180 | 0.182B/0.137A | 0.182B/0.137A | ---- | 0.143 + 0.005 | .1509 | ---- | ---- | 1 | ---- | 50 + 1 |
| 1500 | 0.190 | 0.190 | 0.238B/0.183A | 0.238B/0.183A | ---- | 0.192 + 0.007 | .1909 | ---- | ---- | 35 | ---- | 1133 UNCH |
| 1525 | ---- | ---- | 0.309B/0.240A | 0.309B/0.240A | ---- | 0.253 + 0.009 | .2364 | ---- | ---- | ---- | ---- | 235 UNCH |

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# METALS OPTIONS PRODUCTS



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*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SO PUT | | COMEX SILVER OPTIONS | | | | | | | | | | |
| DEC18 | | | | | | | | | | | | |
| 1550 | 0.340 | 0.340 | 0.394B/0.312A | 0.394B/0.312A | ---- | 0.328 + 0.011 | .2868 | ---- | ---- | 81 | ---- | 416 + 23 |
| 1575 | ---- | ---- | 0.497B/0.397A | 0.497B/0.397A | ---- | 0.419 + 0.015 | .3411 | ---- | ---- | 2 | ---- | 127 UNCH |
| 1600 | 0.535 | 0.535 | 0.616B/0.499A | 0.616B/0.499A | ---- | 0.525 + 0.019 | .3975 | ---- | ---- | 14 | ---- | 780 + 13 |
| 1625 | 0.665 | 0.665 | 0.750B/0.616A | 0.750B/0.616A | ---- | 0.647 + 0.024 | .4547 | ---- | ---- | 6 | ---- | 118 + 4 |
| 1650 | 0.795 | 0.795 | 0.899B/0.747A | 0.899B/0.747A | ---- | 0.785 + 0.029 | .5109 | ---- | ---- | 10 | ---- | 371 + 2 |
| 1675 | ---- | ---- | 1.060B/0.894A | 1.060B/0.894A | ---- | 0.938 + 0.035 | .5647 | ---- | ---- | ---- | ---- | 753 UNCH |
| 1700 | ---- | ---- | 1.234B/1.051A | 1.234B/1.051A | ---- | 1.103 + 0.040 | .6150 | ---- | ---- | ---- | ---- | 588 UNCH |
| 1725 | 1.273 | 1.273 | 1.418B/1.221A | 1.418B/1.221A | ---- | 1.281 + 0.045 | .6615 | ---- | ---- | 2 | ---- | 45 UNCH |
| 1750 | ---- | ---- | 1.612B/1.402A | 1.612B/1.402A | ---- | 1.470 + 0.050 | .7037 | ---- | ---- | ---- | ---- | 275 UNCH |
| 1775 | ---- | ---- | 1.814B/1.594A | 1.814B/1.594A | ---- | 1.667 + 0.053 | .7415 | ---- | ---- | ---- | ---- | 274 UNCH |
| 1800 | ---- | ---- | 2.024B/1.794A | 2.024B/1.794A | ---- | 1.872 + 0.056 | .7751 | ---- | ---- | ---- | ---- | 24 UNCH |
| 1850 | ---- | ---- | 2.463B/2.223A | 2.463B/2.223A | ---- | 2.303 + 0.063 | .8308 | ---- | ---- | ---- | ---- | 351 UNCH |
| 1900 | ---- | ---- | #2.921B/2.668A | #2.921B/2.668A | ---- | 2.755 + 0.069 | .8722 | ---- | ---- | ---- | ---- | 15 UNCH |
| 2000 | ---- | ---- | #3.873B/3.600A | #3.873B/3.600A | ---- | 3.698 + 0.079 | .9247 | ---- | ---- | ---- | ---- | 68 UNCH |
| 2025 | ---- | ---- | #4.116B/3.840A | #4.116B/3.840A | ---- | 3.938 + 0.080 | .9338 | ---- | ---- | ---- | ---- | 3 UNCH |
| 2050 | ---- | ---- | #4.361B/4.081A | #4.361B/4.081A | ---- | 4.181 + 0.082 | .9412 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2075 | ---- | ---- | #4.606B/4.323A | #4.606B/4.323A | ---- | 4.424 + 0.083 | .9475 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2125 | ---- | ---- | #5.100B/4.811A | #5.100B/4.811A | ---- | 4.915 + 0.086 | .9574 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2150 | ---- | ---- | #5.347B/5.056A | #5.347B/5.056A | ---- | 5.161 + 0.087 | .9609 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2175 | ---- | ---- | #5.595B/5.302A | #5.595B/5.302A | ---- | 5.408 + 0.087 | .9642 | ---- | ---- | ---- | ---- | 23 UNCH |
| 2200 | ---- | ---- | #5.844B/5.549A | #5.844B/5.549A | ---- | 5.656 + 0.089 | .9675 | ---- | ---- | ---- | ---- | 4 UNCH |
| 2225 | ---- | ---- | #6.092B/5.796A | #6.092B/5.796A | ---- | 5.904 + 0.090 | .9698 | ---- | ---- | ---- | ---- | 5 UNCH |
| 2250 | ---- | ---- | #6.341B/6.043A | #6.341B/6.043A | ---- | 6.152 + 0.090 | .9713 | ---- | ---- | ---- | ---- | 1 UNCH |
| 2275 | ---- | ---- | #6.590B/6.291A | #6.590B/6.291A | ---- | 6.401 + 0.091 | .9735 | ---- | ---- | ---- | ---- | 12 UNCH |
| 2300 | ---- | ---- | #6.839B/6.540A | #6.839B/6.540A | ---- | 6.650 + 0.092 | .9749 | ---- | ---- | ---- | ---- | 2 UNCH |
| 2375 | ---- | ---- | #7.587B/7.286A | #7.587B/7.286A | ---- | 7.397 + 0.093 | .9786 | ---- | ---- | ---- | ---- | 10 UNCH |
| 2400 | ---- | ---- | #7.837B/7.535A | #7.837B/7.535A | ---- | 7.646 + 0.093 | .9798 | ---- | ---- | ---- | ---- | 40 UNCH |
| 2425 | ---- | ---- | #8.087B/7.784A | #8.087B/7.784A | ---- | 7.896 + 0.093 | .9809 | ---- | ---- | ---- | ---- | 21 UNCH |
| TOTAL | | | | | | | | | | 292 | 0 | 21529 + 70 |
| JAN19 | | | | | | | | | | | | |
| 1625 | 0.812 | 0.812 | #0.812/*0.805 | #0.812/*0.805 | ---- | 0.666 NEW | .4305 | ---- | ---- | 55 | ---- | 55 + 55 |
| TOTAL | | | | | | | | | | 55 | 0 | 55 + 55 |
| MAR19 | | | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | ---- | 0.005 + 0.002 | .0054 | ---- | ---- | ---- | ---- | 17 UNCH |
| 1200 | ---- | ---- | #0.014B/---- | #0.014B/---- | ---- | 0.014 + 0.003 | .0148 | ---- | ---- | ---- | ---- | 2 UNCH |
| 1300 | 0.043 | 0.043 | 0.043/*0.043 | 0.043/*0.043 | ---- | 0.038 + 0.005 | .0386 | ---- | ---- | 5 | ---- | 8 + 5 |
| 1350 | 0.062 | 0.062 | 0.072B/0.060 | 0.072B/0.060 | ---- | 0.065 + 0.009 | .0627 | ---- | ---- | 30 | ---- | 47 + 30 |
| 1375 | 0.101 | 0.101 | 0.101/0.101 | 0.101/0.101 | ---- | 0.085 + 0.012 | .0794 | ---- | ---- | 3 | ---- | 303 - 3 |
| 1400 | 0.110 | 0.110 | 0.130/0.110 | 0.130/0.110 | ---- | 0.111 + 0.014 | .0997 | ---- | ---- | 37 | ---- | 216 + 17 |
| 1425 | 0.136 | 0.136 | 0.170B/0.136 | 0.170B/0.136 | ---- | 0.145 + 0.017 | .1244 | ---- | ---- | 10 | ---- | 31 + 10 |
| 1450 | 0.193 | 0.193 | 0.218B/0.193 | 0.218B/0.193 | ---- | 0.187 + 0.018 | .1529 | ---- | ---- | 15 | ---- | 39 + 3 |
| 1475 | 0.243 | 0.243 | #0.276B/0.243 | #0.276B/0.243 | ---- | 0.239 NEW | .1854 | ---- | ---- | 14 | ---- | 14 + 14 |
| 1500 | ---- | ---- | 0.345B/---- | 0.345B/---- | ---- | 0.302 + 0.017 | .2216 | ---- | ---- | 1 | ---- | 12 + 1 |
| 1525 | 0.380 | 0.380 | #0.424B/0.380 | #0.424B/0.380 | ---- | 0.376 + 0.016 | .2606 | ---- | ---- | 1 | ---- | 29 + 1 |
| 1550 | ---- | ---- | #0.517B/---- | #0.517B/---- | ---- | 0.462 + 0.016 | .3020 | ---- | ---- | ---- | ---- | 12 UNCH |
| 1600 | ---- | ---- | 0.742B/---- | 0.742B/---- | ---- | 0.669 + 0.019 | .3889 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1625 | 0.810 | 0.810 | #0.873B/0.795A | #0.873B/0.795A | ---- | 0.790 + 0.022 | .4331 | ---- | ---- | 2 | ---- | 4 + 2 |
| 1650 | ---- | ---- | #1.016B/---- | #1.016B/---- | ---- | 0.923 + 0.025 | .4770 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1675 | ---- | ---- | #1.169B/---- | #1.169B/---- | ---- | 1.068 + 0.029 | .5196 | ---- | ---- | ---- | ---- | 29 UNCH |
| 1700 | ---- | ---- | #1.331B/---- | #1.331B/---- | ---- | 1.223 + 0.033 | .5606 | ---- | ---- | ---- | ---- | 102 UNCH |
| 1725 | ---- | ---- | #1.504B/---- | #1.504B/---- | ---- | 1.388 + 0.036 | .5995 | ---- | ---- | ---- | ---- | 191 UNCH |
| 1750 | ---- | ---- | #1.684B/---- | #1.684B/---- | ---- | 1.563 + 0.040 | .6361 | ---- | ---- | ---- | ---- | 360 UNCH |
| TOTAL | | | | | | | | | | 118 | 0 | 1446 + 80 |
| MAY19 | | | | | | | | | | | | |
| 1225 | ---- | ---- | ---- | ---- | ---- | 0.045 + 0.003 | .0360 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | 0 | 1 0 |
| JUL19 | | | | | | | | | | | | |
| 1100 | ---- | ---- | ----/0.018A | ----/0.018A | ---- | 0.016 - 0.003 | .0131 | ---- | ---- | ---- | 1336 | 1825 UNCH |
| 1125 | ---- | ---- | ---- | ---- | ---- | 0.019 - 0.004 | .0156 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1150 | ---- | ---- | ----/0.025A | ----/0.025A | ---- | 0.022 - 0.005 | .0183 | ---- | ---- | ---- | 702 | 4349 - 520 |
| 1175 | ---- | ---- | ---- | ---- | ---- | 0.026 - 0.006 | .0217 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1200 | ---- | ---- | ---- | ---- | ---- | 0.031 - 0.008 | .0259 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1225 | ---- | ---- | ---- | ---- | ---- | 0.037 - 0.009 | .0309 | ---- | ---- | ---- | ---- | 7413 UNCH |
| 1250 | ---- | ---- | ---- | ---- | ---- | 0.045 - 0.011 | .0374 | ---- | ---- | ---- | ---- | 2041 UNCH |
| 1275 | 0.060 | 0.060 | 0.060/0.060 | 0.060/0.060 | ---- | 0.056 - 0.011 | .0458 | ---- | ---- | 1 | ---- | 1305 + 1 |
| 1300 | ---- | ---- | ---- | ---- | ---- | 0.069 - 0.012 | .0556 | ---- | ---- | ---- | ---- | 5668 UNCH |
| 1325 | 0.100 | 0.100 | 0.101/0.095A | 0.101/0.095A | ---- | 0.085 - 0.014 | .0673 | ---- | ---- | 78 | ---- | 2787 + 78 |
| 1350 | ---- | ---- | ---- | ---- | ---- | 0.107 - 0.015 | .0823 | ---- | ---- | ---- | ---- | 1621 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 0.167 - 0.016 | .1201 | ---- | ---- | ---- | ---- | 307 UNCH |
| 1425 | ---- | ---- | ---- | ---- | ---- | 0.209 - 0.015 | .1440 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1450 | ---- | ---- | ---- | ---- | ---- | 0.259 - 0.014 | .1706 | ---- | ---- | ---- | ---- | 4 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.388 - 0.009 | .2318 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1525 | ---- | ---- | ---- | ---- | ---- | 0.468 - 0.006 | .2655 | ---- | ---- | ---- | ---- | 410 UNCH |
| 1550 | ---- | ---- | ---- | ---- | ---- | 0.559 - 0.002 | .3008 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1600 | ---- | ---- | ---- | ---- | ---- | 0.774 + 0.009 | .3738 | ---- | ---- | ---- | ---- | 55 UNCH |
| 1675 | ---- | ---- | ---- | ---- | ---- | 1.173 NEW | .4821 | ---- | ---- | ---- | 30 | 30 + 30 |
| 1700 | ---- | ---- | ---- | ---- | ---- | 1.323 + 0.032 | .5163 | ---- | ---- | ---- | ---- | 115 UNCH |
| 1725 | ---- | ---- | ---- | ---- | ---- | 1.482 + 0.038 | .5492 | ---- | ---- | ---- | ---- | 160 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 1.648 + 0.043 | .5806 | ---- | ---- | ---- | ---- | 350 UNCH |
| TOTAL | | | | | | | | | | 79 | 2068 | 28506 - 411 |
| DEC19 | | | | | | | | | | | | |
| 1000 | ---- | ---- | ---- | ---- | ---- | 0.010 UNCH | .0074 | ---- | ---- | ---- | ---- | 25 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 0.025 + 0.002 | .0177 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1200 | ---- | ---- | ---- | ---- | ---- | 0.059 + 0.006 | .0391 | ---- | ---- | ---- | ---- | 675 UNCH |
| 1250 | 0.095 | 0.095 | 0.095/*0.095 | 0.095/*0.095 | ---- | 0.089 + 0.010 | .0565 | ---- | ---- | 1 | ---- | 1619 + 1 |
| 1275 | 0.110 | 0.110 | #0.110/0.110 | #0.110/0.110 | ---- | 0.108 + 0.011 | .0671 | ---- | ---- | 20 | ---- | 3061 + 20 |
| 1300 | ---- | ---- | ---- | ---- | ---- | 0.132 + 0.013 | .0797 | ---- | ---- | ---- | ---- | 510 UNCH |
| 1325 | ---- | ---- | ---- | ---- | ---- | 0.160 + 0.015 | .0940 | ---- | ---- | ---- | ---- | 139 UNCH |
| 1350 | ---- | ---- | ---- | ---- | ---- | 0.194 + 0.018 | .1103 | ---- | ---- | ---- | ---- | 561 UNCH |
| 1375 | ---- | ---- | ---- | ---- | ---- | 0.234 + 0.022 | .1286 | ---- | ---- | ---- | ---- | 210 UNCH |
| 1400 | ---- | ---- | ---- | ---- | ---- | 0.280 + 0.025 | .1486 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.539 + 0.037 | .2454 | ---- | ---- | ---- | ---- | 8 UNCH |
| 1750 | ---- | ---- | ---- | ---- | ---- | 1.752 + 0.053 | .5303 | ---- | ---- | ---- | ---- | 430 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 1.913 + 0.054 | .5563 | ---- | ---- | ---- | ---- | 75 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 2.081 + 0.055 | .5813 | ---- | ---- | ---- | ---- | 13 UNCH |
| TOTAL | | | | | | | | | | 21 | 0 | 7432 + 21 |
| DEC20 | | | | | | | | | | | | |
| 1100 | ---- | ---- | ---- | ---- | ---- | 0.189 + 0.005 | .0639 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | 0 | 100 0 |
| JUL21 | | | | | | | | | | | | |
| 1825 | ---- | ---- | ---- | ---- | ---- | 2.703 + 0.040 | .4666 | ---- | ---- | ---- | ---- | 565 UNCH |
| TOTAL | | | | | | | | | | | 0 | 565 0 |
| SO1 CALL | | SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1575 | ---- | ---- | 0.619B/*0.363A | 0.619B/*0.363A | ---- | 0.513 - 0.093 | .8904 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1590 | 0.410 | 0.410 | 0.482B/*0.256A | 0.482B/*0.256A | ---- | 0.383 NEW | .8109 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1595 | 0.348 | 0.348 | 0.439B/*0.225A | 0.439B/*0.225A | ---- | 0.344 NEW | .7760 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1605 | 0.285 | 0.285 | 0.369B/*0.170A | 0.369B/*0.170A | ---- | 0.270 NEW | .6933 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1615 | 0.221 | 0.221 | 0.296B/*0.127A | 0.296B/*0.127A | ---- | 0.206 NEW | .5956 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1625 | ---- | ---- | 0.231B/*0.093A | 0.231B/*0.093A | ---- | 0.152 - 0.071 | .4908 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1645 | ---- | ---- | 0.137B/*0.052A | 0.137B/*0.052A | ---- | 0.078 - 0.050 | .2951 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1650 | 0.063 | 0.063 | 0.118B/*0.045A | 0.118B/*0.045A | ---- | 0.066 NEW | .2555 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1655 | 0.075 | 0.075 | 0.102B/*0.040A | 0.102B/*0.040A | ---- | 0.056 NEW | .2204 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1665 | 0.043 | 0.043 | 0.075B/*0.031A | 0.075B/*0.031A | ---- | 0.041 NEW | .1640 | ---- | ---- | 4 | ---- | 4 + 4 |
| 1675 | ---- | ---- | ----/*0.025A | ----/*0.025A | ---- | 0.030 - 0.025 | .1210 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1700 | ---- | ---- | ----/*0.017A | ----/*0.017A | ---- | 0.017 - 0.014 | .0643 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.003 - 0.001 | .0077 | ---- | ---- | ---- | ---- | 12 UNCH |
| TOTAL | | | | | | | | | | 37 | 0 | 110 + 37 |
| SO1 PUT | | SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1525 | ---- | ---- | 0.011B/---- | 0.011B/---- | ---- | 0.005 NEW | .0194 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1540 | 0.011 | 0.011 | #0.018B/0.011 | #0.018B/0.011 | ---- | 0.008 NEW | .0323 | ---- | ---- | 51 | ---- | 51 + 51 |
| 1565 | 0.040 | 0.040 | #0.045B/0.016A | #0.045B/0.016A | ---- | 0.018 UNCH | .0761 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1570 | 0.036 | 0.036 | #0.054B/0.019A | #0.054B/0.019A | ---- | 0.021 NEW | .0896 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1575 | 0.033 | 0.033 | #0.064B/0.023A | #0.064B/0.023A | ---- | 0.026 UNCH | .1095 | ---- | ---- | 10 | ---- | 20 + 10 |
| 1580 | 0.037 | 0.037 | #0.076B/0.028A | #0.076B/0.028A | ---- | 0.031 UNCH | .1303 | ---- | ---- | 20 | ---- | 30 + 20 |
| 1585 | 0.044 | 0.044 | #0.090B/0.033A | #0.090B/0.033A | ---- | 0.038 NEW | .1570 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1595 | 0.065 | 0.065 | #0.125B/0.043A | #0.125B/0.043A | ---- | 0.057 NEW | .2239 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1600 | ---- | ---- | #0.147B/0.053A | #0.147B/0.053A | ---- | 0.069 + 0.006 | .2633 | ---- | ---- | ---- | ---- | 31 UNCH |

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# METALS OPTIONS PRODUCTS



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*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SO1 PUT | | SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1615 | ---- | ---- | #0.228B/0.089A | #0.228B/0.089A | ---- | 0.119 + 0.015 | .4043 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1620 | ---- | ---- | #0.259B/0.106A | #0.259B/0.106A | ---- | 0.140 + 0.018 | .4561 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1625 | ---- | ---- | #0.294B/0.125A | #0.294B/0.125A | ---- | 0.165 + 0.023 | .5091 | ---- | ---- | ---- | ---- | 30 UNCH |
| 1650 | ---- | ---- | #0.495B/0.258A | #0.495B/0.258A | ---- | 0.329 + 0.049 | .7444 | ---- | ---- | ---- | ---- | 20 UNCH |
| TOTAL | | | | | | | | | | 131 | 0 | 248 + 131 |
| SO2 CALL | | SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1250 | ---- | ---- | 3.851B/*3.546A | 3.851B/*3.546A | ---- | 3.737 - 0.094 | .9999 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1630 | ---- | ---- | 0.260B/*0.127A | 0.260B/*0.127A | ---- | 0.180 - 0.065 | .4571 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1675 | 0.086 | 0.086 | 0.095B/*0.047A | 0.095B/*0.047A | ---- | 0.059 NEW | .1840 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1690 | ---- | ---- | ----/*0.036A | ----/*0.036A | ---- | 0.042 - 0.025 | .1333 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | 1 | 0 | 17 + 1 |
| SO2 PUT | | SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1525 | ---- | ---- | #0.026B/---- | #0.026B/---- | ---- | 0.013 UNCH | .0444 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1565 | 0.050 | 0.050 | #0.081B/0.034A | #0.081B/0.034A | ---- | 0.039 NEW | .1296 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1570 | 0.049 | 0.049 | #0.093B/0.039A | #0.093B/0.039A | ---- | 0.045 NEW | .1480 | ---- | ---- | 8 | ---- | 8 + 8 |
| 1575 | 0.058 | 0.058 | #0.106B/0.044A | #0.106B/0.044A | ---- | 0.053 NEW | .1703 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1585 | 0.121 | 0.121 | #0.137B/0.058A | #0.137B/0.058A | ---- | 0.072 NEW | .2211 | ---- | ---- | 1 | ---- | 1 + 1 |
| 1630 | ---- | ---- | #0.375B/0.196A | #0.375B/0.196A | ---- | 0.243 + 0.029 | .5428 | ---- | ---- | ---- | ---- | 6 UNCH |
| 2050 | ---- | ---- | #4.454B/4.149A | #4.454B/4.149A | ---- | 4.263 + 0.093 | .9964 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 39 | 0 | 46 + 39 |
| SO3 CALL | | SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1675 | ---- | ---- | 0.130B/*0.069A | 0.130B/*0.069A | ---- | 0.086 - 0.039 | .2235 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1690 | 0.061 | 0.061 | #0.096B/*0.054A | #0.096B/*0.054A | ---- | 0.063 NEW | .1698 | ---- | ---- | 8 | ---- | 8 + 8 |
| 1700 | ---- | ---- | ----/*0.047A | ----/*0.047A | ---- | 0.053 - 0.027 | .1435 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1730 | 0.037 | 0.037 | #0.038B/*0.032A | #0.038B/*0.032A | ---- | 0.032 NEW | .0872 | ---- | ---- | 20 | ---- | 20 + 20 |
| TOTAL | | | | | | | | | | 28 | 0 | 48 + 28 |
| SO3 PUT | | SILVER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 1650 | ---- | ---- | #0.558B/0.345A | #0.558B/0.345A | ---- | 0.408 + 0.041 | .6557 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | | 0 | 10 0 |
| SO5 CALL | | SILVER OPTIONS | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 1610 | ---- | ---- | 0.274B/*0.073A | 0.274B/*0.073A | ---- | 0.175 - 0.092 | .7720 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1615 | 0.059 | 0.059 | 0.242B/*0.055A | 0.242B/*0.055A | ---- | 0.139 NEW | .6859 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1625 | 0.031 | 0.031 | 0.169B/*0.031 | 0.169B/*0.031 | ---- | 0.080 NEW | .4728 | ---- | ---- | 10 | ---- | 10 + 10 |
| 1630 | ---- | ---- | 0.138B/*0.024A | 0.138B/*0.024A | ---- | 0.059 - 0.070 | .3636 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1635 | ---- | ---- | 0.117B/*0.019A | 0.117B/*0.019A | ---- | 0.043 - 0.061 | .2675 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1650 | ---- | ---- | 0.056B/*0.010A | 0.056B/*0.010A | ---- | 0.017 - 0.034 | .0924 | ---- | ---- | ---- | ---- | 19 UNCH |
| 1655 | ---- | ---- | 0.044B/*0.009A | 0.044B/*0.009A | ---- | 0.013 - 0.027 | .0650 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1665 | ---- | ---- | ----/*0.007A | ----/*0.007A | ---- | 0.009 - 0.017 | .0371 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1675 | ---- | ---- | ----/*0.006A | ----/*0.006A | ---- | 0.006 - 0.012 | .0206 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1680 | ---- | ---- | ----/*0.005A | ----/*0.005A | ---- | 0.006 - 0.009 | .0188 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1700 | ---- | ---- | ----/*0.004A | ----/*0.004A | ---- | 0.003 - 0.006 | .0067 | ---- | ---- | ---- | ---- | 7 UNCH |
| 1725 | ---- | ---- | ----/*0.003A | ----/*0.003A | ---- | 0.002 - 0.003 | .0032 | ---- | ---- | ---- | ---- | 27 UNCH |
| 1775 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | .0000 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1800 | ---- | ---- | ---- | ---- | ---- | 0.001 - 0.001 | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| 1825 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| 2075 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 20 | 0 | 175 + 20 |
| SO5 PUT | | SILVER OPTIONS | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 1500 | ---- | ---- | ---- | ---- | ---- | 0.001 UNCH | ---- | ---- | ---- | ---- | ---- | 51 UNCH |
| 1590 | 0.032 | 0.032 | 0.044B/0.009A | 0.044B/0.009A | ---- | 0.011 - 0.001 | .0517 | ---- | ---- | 20 | ---- | 20 + 10 |
| 1595 | ---- | ---- | #0.058B/0.011A | #0.058B/0.011A | ---- | 0.014 - 0.002 | .0724 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1600 | 0.033 | 0.033 | #0.075B/0.015A | #0.075B/0.015A | ---- | 0.020 - 0.001 | .1102 | ---- | ---- | 82 | ---- | 62 + 45 |
| 1605 | ---- | ---- | #0.097B/0.020A | #0.097B/0.020A | ---- | 0.027 UNCH | .1582 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1610 | 0.041 | 0.041 | #0.124B/0.027A | #0.124B/0.027A | ---- | 0.038 NEW | .2279 | ---- | ---- | 5 | ---- | 5 + 5 |
| 1615 | 0.064 | 0.064 | #0.156B/0.036A | #0.156B/0.036A | ---- | 0.052 NEW | .3140 | ---- | ---- | 20 | ---- | 10 + 10 |
| 1620 | ---- | ---- | #0.193B/0.048A | #0.193B/0.048A | ---- | 0.070 + 0.010 | .4157 | ---- | ---- | ---- | ---- | 28 UNCH |
| 1625 | ---- | ---- | #0.233B/0.063A | #0.233B/0.063A | ---- | 0.093 + 0.015 | .5271 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1630 | 0.115 | 0.115 | #0.275B/0.081A | #0.275B/0.081A | ---- | 0.122 + 0.024 | .6363 | ---- | ---- | 10 | ---- | 20 + 10 |
| 1640 | 0.130 | 0.130 | #0.367B/0.129A | #0.367B/0.129A | ---- | 0.194 + 0.043 | .8104 | ---- | ---- | 10 | ---- | 20 + 10 |
| 1650 | ---- | ---- | #0.462B/0.195A | #0.462B/0.195A | ---- | 0.280 + 0.060 | .9076 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1655 | ---- | ---- | #0.511B/0.235A | #0.511B/0.235A | ---- | 0.326 + 0.067 | .9349 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1660 | ---- | ---- | #0.560B/0.277A | #0.560B/0.277A | ---- | 0.373 + 0.072 | .9501 | ---- | ---- | ---- | ---- | 5 UNCH |
| 1670 | ---- | ---- | #0.659B/0.367A | #0.659B/0.367A | ---- | 0.470 + 0.080 | .9735 | ---- | ---- | ---- | ---- | 1 UNCH |
| 1675 | ---- | ---- | #0.708B/0.414A | #0.708B/0.414A | ---- | 0.519 + 0.082 | .9793 | ---- | ---- | ---- | ---- | 10 UNCH |
| 1700 | ---- | ---- | #0.956B/0.655A | #0.956B/0.655A | ---- | 0.766 + 0.088 | .9932 | ---- | ---- | ---- | ---- | 10 UNCH |
| TOTAL | | | | | | | | | | 147 | 0 | 293 + 90 |

## COPPER OPTIONS ON FUTURES

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HX CALL | | COMEX COPPER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 285 | ---- | ---- | ---- | ---- | ---- | 0.1425 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 288 | ---- | ---- | ---- | ---- | ---- | 0.1125 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 290 | ---- | ---- | ---- | ---- | ---- | 0.0925 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.0425 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 296 | ---- | ---- | ---- | ---- | ---- | 0.0325 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 297 | ---- | ---- | ---- | ---- | ---- | 0.0225 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 299 | ---- | ---- | ---- | ---- | ---- | 0.0025 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 302 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 312 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| AUG18 | | | | | | | | | | | | |
| 288 | ---- | ---- | ---- | ---- | ---- | 0.1440 - 0.0075 | .8104 | ---- | ---- | ---- | ---- | 16 UNCH |
| 289 | ---- | ---- | ----/0.1290A | ----/0.1290A | ---- | 0.1360 - 0.0075 | .7947 | ---- | ---- | ---- | ---- | 5 UNCH |
| 290 | ---- | ---- | 0.1375B/*0.1155 | 0.1375B/*0.1155 | ---- | 0.1280 - 0.0075 | .7760 | ---- | ---- | ---- | ---- | 11 UNCH |
| 291 | ---- | ---- | 0.1295B/*0.1085 | 0.1295B/*0.1085 | ---- | 0.1200 - 0.0075 | .7570 | ---- | ---- | ---- | ---- | 15 UNCH |
| 295 | ---- | ---- | 0.0995B/*0.0810 | 0.0995B/*0.0810 | ---- | 0.0910 - 0.0070 | .6656 | ---- | ---- | ---- | ---- | 12 UNCH |
| 297 | ---- | ---- | 0.0855B/*0.0685 | 0.0855B/*0.0685 | ---- | 0.0785 - 0.0060 | .6129 | ---- | ---- | ---- | ---- | 1 UNCH |
| 299 | 0.0670 | 0.0670 | 0.0750B/*0.0575 | 0.0750B/*0.0575 | ---- | 0.0670 NEW | .5582 | ---- | ---- | 5 | ---- | 5 + 5 |
| 300 | 0.0545 | 0.0545 | 0.0695B/*0.0525 | 0.0695B/*0.0525 | ---- | 0.0615 - 0.0055 | .5304 | ---- | ---- | 6 | ---- | 33 + 1 |
| 301 | 0.0530 | 0.0530 | 0.0640B/*0.0480 | 0.0640B/*0.0480 | ---- | 0.0565 - 0.0050 | .5024 | ---- | ---- | 2 | ---- | 2 + 1 |
| 302 | 0.0595 | 0.0595 | 0.0595/*0.0440A | 0.0595/*0.0440A | ---- | 0.0520 - 0.0045 | .4746 | ---- | ---- | 5 | ---- | 20 + 5 |
| 303 | 0.0440 | 0.0440 | 0.0540B/*0.0400 | 0.0540B/*0.0400 | ---- | 0.0475 - 0.0045 | .4468 | ---- | ---- | 12 | ---- | 17 + 12 |
| 304 | 0.0455 | 0.0455 | 0.0495B/*0.0365 | 0.0495B/*0.0365 | ---- | 0.0435 - 0.0040 | .4198 | ---- | ---- | 5 | ---- | 12 + 5 |
| 305 | 0.0450 | 0.0450 | 0.0455B/*0.0330 | 0.0455B/*0.0330 | ---- | 0.0400 - 0.0035 | .3938 | ---- | ---- | 10 | ---- | 91 + 10 |
| 306 | ---- | ---- | 0.0415B/0.0305A | 0.0415B/0.0305A | ---- | 0.0365 - 0.0030 | .3682 | ---- | ---- | ---- | ---- | 14 UNCH |
| 307 | 0.0295 | 0.0295 | 0.0380/0.0275A | 0.0380/0.0275A | ---- | 0.0330 - 0.0030 | .3426 | ---- | ---- | 146 | ---- | 167 + 137 |
| 308 | 0.0300 | 0.0300 | 0.0345B/0.0250A | 0.0345B/0.0250A | ---- | 0.0305 - 0.0025 | .3203 | ---- | ---- | 2 | ---- | 4 + 1 |
| 309 | ---- | ---- | 0.0315B/0.0225A | 0.0315B/0.0225A | ---- | 0.0275 - 0.0025 | .2965 | ---- | ---- | ---- | ---- | 7 UNCH |
| 310 | ---- | ---- | 0.0285B/0.0205A | 0.0285B/0.0205A | ---- | 0.0250 - 0.0020 | .2749 | ---- | ---- | 87 | 200 | 928 + 211 |
| 311 | ---- | ---- | 0.0260B/0.0190A | 0.0260B/0.0190A | ---- | 0.0230 - 0.0020 | .2557 | ---- | ---- | ---- | ---- | 13 UNCH |
| 312 | 0.0225 | 0.0225 | 0.0235B/0.0170A | 0.0235B/0.0170A | ---- | 0.0210 - 0.0020 | .2368 | ---- | ---- | 42 | ---- | 38 + 15 |
| 313 | ---- | ---- | 0.0215B/0.0155A | 0.0215B/0.0155A | ---- | 0.0190 - 0.0020 | .2182 | ---- | ---- | ---- | ---- | 15 UNCH |
| 314 | ---- | ---- | ----/0.0140A | ----/0.0140A | ---- | 0.0175 - 0.0020 | .2026 | ---- | ---- | ---- | ---- | 18 UNCH |
| 315 | ---- | ---- | ----/0.0135A | ----/0.0135A | ---- | 0.0160 - 0.0015 | .1873 | ---- | ---- | 41 | ---- | 207 UNCH |
| 316 | ---- | ---- | ----/0.0125A | ----/0.0125A | ---- | 0.0145 - 0.0015 | .1722 | ---- | ---- | ---- | ---- | 10 UNCH |
| 317 | ---- | ---- | ----/0.0115A | ----/0.0115A | ---- | 0.0135 - 0.0015 | .1605 | ---- | ---- | ---- | ---- | 29 UNCH |
| 318 | ---- | ---- | ----/0.0105A | ----/0.0105A | ---- | 0.0120 - 0.0015 | .1458 | ---- | ---- | ---- | ---- | 17 UNCH |
| 319 | ---- | ---- | ----/0.0095A | ----/0.0095A | ---- | 0.0110 - 0.0015 | .1346 | ---- | ---- | ---- | ---- | 8 UNCH |
| 320 | 0.0080 | 0.0080 | 0.0080/0.0080 | 0.0080/0.0080 | ---- | 0.0100 - 0.0015 | .1236 | ---- | ---- | 12 | ---- | 182 - 1 |
| 321 | 0.0085 | 0.0085 | 0.0100B/0.0080A | 0.0100B/0.0080A | ---- | 0.0095 - 0.0010 | .1165 | ---- | ---- | 14 | ---- | 17 + 11 |
| 322 | ---- | ---- | ----/0.0075A | ----/0.0075A | ---- | 0.0085 - 0.0010 | .1059 | ---- | ---- | ---- | ---- | 32 UNCH |
| 323 | ---- | ---- | ----/0.0070A | ----/0.0070A | ---- | 0.0080 - 0.0005 | .0992 | ---- | ---- | ---- | ---- | 35 UNCH |
| 324 | ---- | ---- | ----/0.0065A | ----/0.0065A | ---- | 0.0070 - 0.0010 | .0888 | ---- | ---- | ---- | ---- | 4 UNCH |
| 325 | 0.0065 | 0.0065 | 0.0065/0.0060A | 0.0065/0.0060A | ---- | 0.0065 - 0.0005 | .0825 | ---- | ---- | 15 | ---- | 172 + 13 |
| 326 | ---- | ---- | ----/0.0055A | ----/0.0055A | ---- | 0.0060 - 0.0005 | .0763 | ---- | ---- | ---- | ---- | 26 UNCH |
| 327 | ---- | ---- | ----/0.0055A | ----/0.0055A | ---- | 0.0055 - 0.0005 | .0703 | ---- | ---- | ---- | ---- | 1 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HX CALL | | COMEX COPPER OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 328 | ---- | ---- | ----/0.0050A | ----/0.0050A | ---- | 0.0050 - 0.0005 | .0643 | ---- | ---- | ---- | ---- | 1 UNCH |
| 329 | ---- | ---- | ----/0.0045A | ----/0.0045A | ---- | 0.0050 UNCH | .0629 | ---- | ---- | ---- | ---- | 16 UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0045 UNCH | .0572 | ---- | ---- | 4 | ---- | 385 UNCH |
| 331 | ---- | ---- | ---- | ---- | ---- | 0.0040 UNCH | .0515 | ---- | ---- | ---- | ---- | 2 UNCH |
| 332 | ---- | ---- | ---- | ---- | ---- | 0.0040 UNCH | .0504 | ---- | ---- | ---- | ---- | 204 UNCH |
| 334 | ---- | ---- | ---- | ---- | ---- | 0.0035 UNCH | .0440 | ---- | ---- | ---- | ---- | 6 UNCH |
| 335 | 0.0040 | 0.0040 | 0.0040/0.0035A | 0.0040/0.0035A | ---- | 0.0030 UNCH | .0385 | ---- | ---- | 150 | ---- | 312 - 35 |
| 336 | 0.0030 | 0.0030 | 0.0030/0.0030 | 0.0030/0.0030 | ---- | 0.0030 UNCH | .0378 | ---- | ---- | 6 | ---- | 9 UNCH |
| 337 | ---- | ---- | ---- | ---- | ---- | 0.0030 + 0.0005 | .0371 | ---- | ---- | ---- | ---- | 50 UNCH |
| 338 | ---- | ---- | ---- | ---- | ---- | 0.0025 UNCH | .0318 | ---- | ---- | ---- | ---- | 45 UNCH |
| 339 | ---- | ---- | ---- | ---- | ---- | 0.0025 UNCH | .0312 | ---- | ---- | ---- | ---- | 20 UNCH |
| 340 | ---- | ---- | ---- | ---- | ---- | 0.0025 + 0.0005 | .0307 | ---- | ---- | ---- | ---- | 239 UNCH |
| 343 | ---- | ---- | ---- | ---- | ---- | 0.0020 UNCH | .0246 | ---- | ---- | ---- | ---- | 8 UNCH |
| 344 | ---- | ---- | ---- | ---- | ---- | 0.0020 UNCH | .0242 | ---- | ---- | ---- | ---- | 30 UNCH |
| 345 | ---- | ---- | ---- | ---- | ---- | 0.0020 + 0.0005 | .0238 | ---- | ---- | ---- | ---- | 38 UNCH |
| 346 | ---- | ---- | ---- | ---- | ---- | 0.0015 UNCH | .0188 | ---- | ---- | ---- | ---- | 21 UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0015 UNCH | .0177 | ---- | ---- | ---- | ---- | 43 UNCH |
| 355 | ---- | ---- | ---- | ---- | ---- | 0.0010 UNCH | .0119 | ---- | ---- | ---- | ---- | 10 UNCH |
| 360 | ---- | ---- | ---- | ---- | ---- | 0.0010 UNCH | .0112 | ---- | ---- | ---- | ---- | 178 UNCH |
| 365 | ---- | ---- | ---- | ---- | ---- | 0.0005 - 0.0005 | .0059 | ---- | ---- | ---- | ---- | 36 UNCH |
| 370 | ---- | ---- | ---- | ---- | ---- | 0.0005 - 0.0005 | .0035 | ---- | ---- | ---- | ---- | 24 UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0020 | ---- | ---- | ---- | ---- | 5 UNCH |
| 380 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0011 | ---- | ---- | ---- | ---- | 5 UNCH |
| 385 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0006 | ---- | ---- | ---- | ---- | 8 UNCH |
| 390 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0003 | ---- | ---- | ---- | ---- | 2 UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0001 | ---- | ---- | ---- | ---- | 4 UNCH |
| 410 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0000 | ---- | ---- | ---- | ---- | 1 UNCH |
| 425 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | 200 | 564 | | 3891+ 391 |
| SEP18 | | | | | | | | | | | | |
| 284 | ---- | ---- | ----/0.1870A | ----/0.1870A | ---- | 0.1945 - 0.0060 | .7920 | ---- | ---- | ---- | ---- | 4 UNCH |
| 288 | ---- | ---- | 0.1730B/*0.1515 | 0.1730B/*0.1515 | ---- | 0.1635 - 0.0060 | .7373 | ---- | ---- | ---- | ---- | 19 UNCH |
| 290 | ---- | ---- | 0.1575B/*0.1375 | 0.1575B/*0.1375 | ---- | 0.1490 - 0.0060 | .7076 | ---- | ---- | ---- | ---- | 1 UNCH |
| 291 | ---- | ---- | 0.1510B/*0.1310 | 0.1510B/*0.1310 | ---- | 0.1420 - 0.0060 | .6913 | ---- | ---- | ---- | ---- | 4 UNCH |
| 295 | ---- | ---- | 0.1235B/*0.1055 | 0.1235B/*0.1055 | ---- | 0.1155 - 0.0060 | .6216 | ---- | ---- | ---- | ---- | 11 UNCH |
| 298 | ---- | ---- | 0.1060B/*0.0895 | 0.1060B/*0.0895 | ---- | 0.0980 - 0.0055 | .5663 | ---- | ---- | ---- | ---- | 1 UNCH |
| 300 | ---- | ---- | 0.0950B/0.0795A | 0.0950B/0.0795A | ---- | 0.0875 - 0.0050 | .5281 | ---- | ---- | ---- | 250 | 751 + 250 |
| 301 | 0.0800 | 0.0800 | 0.0895B/0.0750A | 0.0895B/0.0750A | ---- | 0.0825 NEW | .5090 | ---- | ---- | 1 | ---- | 1 + 1 |
| 304 | ---- | ---- | 0.0750B/0.0625A | 0.0750B/0.0625A | ---- | 0.0690 - 0.0040 | .4520 | ---- | ---- | ---- | ---- | 18 UNCH |
| 305 | ---- | ---- | 0.0710B/0.0585A | 0.0710B/0.0585A | ---- | 0.0650 - 0.0040 | .4335 | ---- | ---- | ---- | ---- | 98 UNCH |
| 309 | ---- | ---- | 0.0555B/0.0455A | 0.0555B/0.0455A | ---- | 0.0510 - 0.0030 | .3629 | ---- | ---- | ---- | ---- | 2 UNCH |
| 310 | ---- | ---- | 0.0520B/0.0430A | 0.0520B/0.0430A | ---- | 0.0475 - 0.0030 | .3454 | ---- | ---- | ---- | ---- | 243 UNCH |
| 313 | ---- | ---- | 0.0430B/0.0355A | 0.0430B/0.0355A | ---- | 0.0395 - 0.0020 | .2988 | ---- | ---- | ---- | ---- | 1 UNCH |
| 315 | 0.0335 | 0.0335 | 0.0375B/0.0305A | 0.0375B/0.0305A | ---- | 0.0345 - 0.0020 | .2691 | ---- | ---- | 1 | 100 | 631 - 40 |
| 320 | 0.0220 | 0.0220 | 0.0270B/0.0220 | 0.0270B/0.0220 | ---- | 0.0250 - 0.0010 | .2063 | ---- | ---- | 7 | ---- | 549 + 6 |
| 322 | ---- | ---- | 0.0235B/0.0195A | 0.0235B/0.0195A | ---- | 0.0220 - 0.0005 | .1850 | ---- | ---- | ---- | ---- | 3 UNCH |
| 325 | ---- | ---- | 0.0190B/0.0165A | 0.0190B/0.0165A | ---- | 0.0180 - 0.0005 | .1560 | ---- | ---- | ---- | ---- | 11 UNCH |
| 326 | ---- | ---- | ----/0.0155A | ----/0.0155A | ---- | 0.0165 - 0.0010 | .1456 | ---- | ---- | ---- | ---- | 29 UNCH |
| 330 | 0.0110 | 0.0110 | 0.0110/0.0110 | 0.0110/0.0110 | ---- | 0.0125 - 0.0005 | .1144 | ---- | ---- | 1 | 100 | 647 - 99 |
| 333 | ---- | ---- | ----/0.0095A | ----/0.0095A | ---- | 0.0105 UNCH | .0972 | ---- | ---- | ---- | ---- | 1 UNCH |
| 334 | ---- | ---- | ----/0.0090A | ----/0.0090A | ---- | 0.0095 - 0.0005 | .0896 | ---- | ---- | ---- | ---- | 11 UNCH |
| 335 | ---- | ---- | ----/0.0085A | ----/0.0085A | ---- | 0.0090 - 0.0005 | .0851 | ---- | ---- | ---- | ---- | 107 UNCH |
| 336 | ---- | ---- | ----/0.0080A | ----/0.0080A | ---- | 0.0085 - 0.0005 | .0806 | ---- | ---- | ---- | ---- | 5 UNCH |
| 337 | ---- | ---- | ----/0.0075A | ----/0.0075A | ---- | 0.0080 UNCH | .0761 | ---- | ---- | ---- | ---- | 1 UNCH |
| 338 | ---- | ---- | ---- | ---- | ---- | 0.0075 UNCH | .0718 | ---- | ---- | ---- | ---- | 48 UNCH |
| 339 | ---- | ---- | ----/0.0070A | ----/0.0070A | ---- | 0.0070 - 0.0005 | .0674 | ---- | ---- | ---- | ---- | 2 UNCH |
| 340 | ---- | ---- | ----/0.0065A | ----/0.0065A | ---- | 0.0065 - 0.0005 | .0631 | ---- | ---- | ---- | ---- | 59 UNCH |
| 341 | ---- | ---- | ----/0.0060A | ----/0.0060A | ---- | 0.0060 - 0.0005 | .0588 | ---- | ---- | ---- | ---- | 17 UNCH |
| 342 | ---- | ---- | ---- | ---- | ---- | 0.0060 UNCH | .0579 | ---- | ---- | ---- | ---- | 3 UNCH |
| 345 | ---- | ---- | ---- | ---- | ---- | 0.0050 UNCH | .0488 | ---- | ---- | ---- | ---- | 71 UNCH |
| 348 | ---- | ---- | ---- | ---- | ---- | 0.0040 - 0.0005 | .0399 | ---- | ---- | ---- | ---- | 3 UNCH |
| 349 | ---- | ---- | ---- | ---- | ---- | 0.0040 UNCH | .0393 | ---- | ---- | ---- | ---- | 3 UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0040 UNCH | .0388 | ---- | ---- | ---- | ---- | 364 UNCH |
| 352 | ---- | ---- | ---- | ---- | ---- | 0.0035 UNCH | .0343 | ---- | ---- | ---- | ---- | 16 UNCH |
| 355 | 0.0040 | 0.0040 | 0.0040/0.0030A | 0.0040/0.0030A | ---- | 0.0030 UNCH | .0295 | ---- | ---- | 1 | ---- | 554 UNCH |
| 360 | ---- | ---- | ---- | ---- | ---- | 0.0025 UNCH | .0242 | ---- | ---- | ---- | ---- | 109 UNCH |
| 365 | ---- | ---- | ---- | ---- | ---- | 0.0020 UNCH | .0193 | ---- | ---- | ---- | ---- | 61 UNCH |
| 370 | ---- | ---- | ---- | ---- | ---- | 0.0020 UNCH | .0184 | ---- | ---- | ---- | ---- | 191 UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0020 UNCH | .0175 | ---- | ---- | ---- | ---- | 25 UNCH |
| 380 | ---- | ---- | ---- | ---- | ---- | 0.0015 UNCH | .0134 | ---- | ---- | ---- | ---- | 23 UNCH |
| 385 | ---- | ---- | ---- | ---- | ---- | 0.0015 UNCH | .0128 | ---- | ---- | ---- | ---- | 31 UNCH |
| 390 | ---- | ---- | ---- | ---- | ---- | 0.0015 UNCH | .0124 | ---- | ---- | ---- | ---- | 29 UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.0010 UNCH | .0083 | ---- | ---- | ---- | ---- | 2 UNCH |
| 600 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0000 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | 450 | 11 | | 4762+ 118 |
| OCT18 | | | | | | | | | | | | |
| 290 | ---- | ---- | ----/*0.1705A | ----/*0.1705A | ---- | 0.1795 - 0.0075 | .7100 | ---- | ---- | ---- | ---- | 6 UNCH |
| 295 | ---- | ---- | ----/0.1395A | ----/0.1395A | ---- | 0.1465 - 0.0065 | .6399 | ---- | ---- | ---- | ---- | 15 UNCH |
| 300 | ---- | ---- | 0.1255B/*0.1090 | 0.1255B/*0.1090 | ---- | 0.1170 - 0.0060 | .5636 | ---- | ---- | ---- | 100 | 135 + 100 |
| 305 | 0.0880 | 0.0880 | 0.0995B/*0.0860 | 0.0995B/*0.0860 | ---- | 0.0925 NEW | .4854 | ---- | ---- | 1 | ---- | 1 + 1 |
| 310 | ---- | ---- | 0.0775B/0.0670A | 0.0775B/0.0670A | ---- | 0.0720 - 0.0040 | .4090 | ---- | ---- | ---- | ---- | 12 UNCH |
| 320 | ---- | ---- | 0.0465B/0.0400A | 0.0465B/0.0400A | ---- | 0.0425 - 0.0025 | .2753 | ---- | ---- | ---- | ---- | 113 UNCH |
| 325 | ---- | ---- | 0.0360B/0.0310A | 0.0360B/0.0310A | ---- | 0.0330 - 0.0015 | .2232 | ---- | ---- | ---- | ---- | 1 UNCH |
| 330 | ---- | ---- | 0.0275B/0.0240A | 0.0275B/0.0240A | ---- | 0.0250 - 0.0015 | .1775 | ---- | ---- | 83 | ---- | 86 + 78 |
| 335 | ---- | ---- | 0.0210B/0.0185A | 0.0210B/0.0185A | ---- | 0.0195 - 0.0005 | .1425 | ---- | ---- | 3 | ---- | 10 + 3 |
| 340 | ---- | ---- | ----/0.0145A | ----/0.0145A | ---- | 0.0150 - 0.0005 | .1131 | ---- | ---- | ---- | ---- | 23 UNCH |
| 345 | 0.0110 | 0.0110 | 0.0110/0.0110 | 0.0110/0.0110 | ---- | 0.0115 - 0.0005 | .0892 | ---- | ---- | 1 | ---- | 45 + 1 |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0090 UNCH | .0711 | ---- | ---- | ---- | ---- | 177 UNCH |
| 355 | ---- | ---- | ---- | ---- | ---- | 0.0070 UNCH | .0564 | ---- | ---- | 3 | ---- | 4 + 3 |
| 360 | ---- | ---- | ---- | ---- | ---- | 0.0055 UNCH | .0450 | ---- | ---- | ---- | ---- | 14 UNCH |
| 365 | 0.0040 | 0.0040 | 0.0040/0.0040 | 0.0040/0.0040 | ---- | 0.0045 UNCH | .0369 | ---- | ---- | 2 | ---- | 8 + 2 |
| 370 | ---- | ---- | ---- | ---- | ---- | 0.0035 UNCH | .0291 | ---- | ---- | ---- | ---- | 7 UNCH |
| 375 | ---- | ---- | ---- | ---- | ---- | 0.0030 UNCH | .0248 | ---- | ---- | ---- | ---- | 10 UNCH |
| 425 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0041 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | 100 | 93 | | 671+ 188 |
| NOV18 | | | | | | | | | | | | |
| 325 | ---- | ---- | ----/*0.0430A | ----/*0.0430A | ---- | 0.0440 - 0.0035 | .2547 | ---- | ---- | ---- | ---- | 3 UNCH |
| 330 | ---- | ---- | ----/*0.0360A | ----/*0.0360A | ---- | 0.0345 - 0.0025 | .2096 | ---- | ---- | ---- | ---- | 4 UNCH |
| 340 | 0.0185 | 0.0185 | #0.0185/*0.0185 | #0.0185/*0.0185 | ---- | 0.0215 NEW | .1405 | ---- | ---- | 1 | ---- | 1 + 1 |
| TOTAL | | | | | | | | | | 1 | | 8+ 1 |
| DEC18 | | | | | | | | | | | | |
| 320 | ---- | ---- | ---- | ---- | ---- | 0.0745 - 0.0035 | .3390 | ---- | ---- | ---- | ---- | 3 UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0480 - 0.0025 | .2452 | ---- | ---- | ---- | ---- | 2 UNCH |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.0380 - 0.0020 | .2048 | ---- | ---- | ---- | ---- | 6 UNCH |
| 340 | ---- | ---- | ---- | ---- | ---- | 0.0300 - 0.0020 | .1697 | ---- | ---- | ---- | ---- | 1 UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.0185 - 0.0015 | .1139 | ---- | ---- | ---- | ---- | 2 UNCH |
| 360 | ---- | ---- | ---- | ---- | ---- | 0.0115 - 0.0010 | .0755 | ---- | ---- | ---- | ---- | 502 UNCH |
| 370 | ---- | ---- | ---- | ---- | ---- | 0.0070 - 0.0005 | .0488 | ---- | ---- | ---- | ---- | 2 UNCH |
| 380 | ---- | ---- | ---- | ---- | ---- | 0.0045 - 0.0005 | .0325 | ---- | ---- | ---- | ---- | 10 UNCH |
| 400 | ---- | ---- | ---- | ---- | ---- | 0.0015 - 0.0005 | .0120 | ---- | ---- | ---- | ---- | 18 UNCH |
| 430 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0024 | ---- | ---- | ---- | ---- | 3 UNCH |
| 450 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0007 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | | | | 553 |
| JAN19 | | | | | | | | | | | | |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.0680 - 0.0030 | .2929 | ---- | ---- | ---- | ---- | 1 UNCH |
| 405 | ---- | ---- | ---- | ---- | ---- | 0.0030 UNCH | .0204 | ---- | ---- | ---- | ---- | 1 UNCH |
| 430 | ---- | ---- | ---- | ---- | ---- | 0.0010 UNCH | .0074 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 3 |
| SEP19 | | | | | | | | | | | | |
| 340 | ---- | ---- | ---- | ---- | ---- | 0.1735 - 0.0065 | .3851 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1 |
| HX PUT | | COMEX COPPER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 293 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 295 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 296 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 297 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 298 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | ---- | ---- | ---- | ---- | ---- | 0 UNCH |
| 299 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.0085 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 301 | ---- | ---- | ---- | ---- | ---- | 0.0185 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |

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# METALS OPTIONS PRODUCTS



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**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HX PUT | | COMEX COPPER OPTIONS | | | | | | | | | | |
| JUL18 | | | | | | | | | | | | |
| 302 | ---- | ---- | ---- | ---- | ---- | 0.0285 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 303 | ---- | ---- | ---- | ---- | ---- | 0.0385 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 304 | ---- | ---- | ---- | ---- | ---- | 0.0485 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 305 | ---- | ---- | ---- | ---- | ---- | 0.0585 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 306 | ---- | ---- | ---- | ---- | ---- | 0.0685 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 307 | ---- | ---- | ---- | ---- | ---- | 0.0785 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 308 | ---- | ---- | ---- | ---- | ---- | 0.0885 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 309 | ---- | ---- | ---- | ---- | ---- | 0.0985 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.1085 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 311 | ---- | ---- | ---- | ---- | ---- | 0.1185 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 312 | ---- | ---- | ---- | ---- | ---- | 0.1285 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 313 | ---- | ---- | ---- | ---- | ---- | 0.1385 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 314 | ---- | ---- | ---- | ---- | ---- | 0.1485 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.1585 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 316 | ---- | ---- | ---- | ---- | ---- | 0.1685 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 317 | ---- | ---- | ---- | ---- | ---- | 0.1785 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 318 | ---- | ---- | ---- | ---- | ---- | 0.1885 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 319 | ---- | ---- | ---- | ---- | ---- | 0.1985 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 320 | ---- | ---- | ---- | ---- | ---- | 0.2085 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 321 | ---- | ---- | ---- | ---- | ---- | 0.2185 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 322 | ---- | ---- | ---- | ---- | ---- | 0.2285 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 323 | ---- | ---- | ---- | ---- | ---- | 0.2385 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 324 | ---- | ---- | ---- | ---- | ---- | 0.2485 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2585 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 326 | ---- | ---- | ---- | ---- | ---- | 0.2685 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 327 | ---- | ---- | ---- | ---- | ---- | 0.2785 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 328 | ---- | ---- | ---- | ---- | ---- | 0.2885 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.3085 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 331 | ---- | ---- | ---- | ---- | ---- | 0.3185 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 335 | ---- | ---- | ---- | ---- | ---- | 0.3585 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| 340 | ---- | ---- | ---- | ---- | ---- | 0.4085 UNCH | .0000 | ---- | ---- | ---- | ---- | 0 UNCH |
| TOTAL | | | | | | | | | | | | 0 |
| AUG18 | | | | | | | | | | | | |
| 250 | 0.0015 | 0.0015 | #0.0015/*0.0015 | #0.0015/*0.0015 | ---- | 0.0010 NEW | .0103 | ---- | ---- | 1 | ---- | 1 + 1 |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0015 + 0.0005 | .0172 | ---- | ---- | ---- | ---- | 1 UNCH |
| 265 | ---- | ---- | ---- | ---- | ---- | 0.0025 + 0.0010 | .0283 | ---- | ---- | ---- | ---- | 11 UNCH |
| 270 | ---- | ---- | ---- | ---- | ---- | 0.0035 + 0.0010 | .0408 | ---- | ---- | ---- | ---- | 24 UNCH |
| 275 | ---- | ---- | 0.0045B/---- | 0.0045B/---- | ---- | 0.0050 + 0.0010 | .0597 | ---- | ---- | ---- | ---- | 17 UNCH |
| 280 | 0.0090 | 0.0090 | 0.0090/0.0065A | 0.0090/0.0065A | ---- | 0.0080 + 0.0010 | .0940 | ---- | ---- | 32 | ---- | 83 + 5 |
| 283 | ---- | ---- | #0.0105B/0.0090 | #0.0105B/0.0090 | ---- | 0.0105 + 0.0010 | .1221 | ---- | ---- | ---- | ---- | 1 UNCH |
| 285 | ---- | ---- | 0.0135B/0.0110A | 0.0135B/0.0110A | ---- | 0.0125 + 0.0005 | .1445 | ---- | ---- | ---- | ---- | 64 UNCH |
| 286 | ---- | ---- | 0.0155B/0.0120A | 0.0155B/0.0120A | ---- | 0.0140 + 0.0010 | .1593 | ---- | ---- | ---- | ---- | 26 UNCH |
| 288 | ---- | ---- | 0.0195B/0.0145A | 0.0195B/0.0145A | ---- | 0.0170 + 0.0010 | .1895 | ---- | ---- | ---- | ---- | 3 UNCH |
| 289 | ---- | ---- | 0.0215B/0.0160A | 0.0215B/0.0160A | ---- | 0.0185 + 0.0005 | .2053 | ---- | ---- | ---- | ---- | 1 UNCH |
| 290 | ---- | ---- | 0.0245B/0.0175A | 0.0245B/0.0175A | ---- | 0.0205 + 0.0005 | .2239 | ---- | ---- | ---- | ---- | 209 UNCH |
| 291 | ---- | ---- | 0.0270B/0.0200A | 0.0270B/0.0200A | ---- | 0.0225 + 0.0005 | .2429 | ---- | ---- | ---- | ---- | 9 UNCH |
| 292 | ---- | ---- | 0.0305B/0.0215A | 0.0305B/0.0215A | ---- | 0.0250 + 0.0005 | .2644 | ---- | ---- | ---- | ---- | 3 UNCH |
| 295 | 0.0340 | 0.0340 | 0.0400B/0.0280A | 0.0400B/0.0280A | ---- | 0.0335 + 0.0010 | .3343 | ---- | ---- | 2 | ---- | 105 + 1 |
| 296 | ---- | ---- | 0.0440B/0.0305A | 0.0440B/0.0305A | ---- | 0.0370 + 0.0015 | .3601 | ---- | ---- | ---- | ---- | 1 UNCH |
| 297 | ---- | ---- | 0.0485B/0.0340A | 0.0485B/0.0340A | ---- | 0.0410 + 0.0020 | .3870 | ---- | ---- | ---- | ---- | 115 UNCH |
| 298 | ---- | ---- | 0.0530B/0.0375A | 0.0530B/0.0375A | ---- | 0.0450 + 0.0020 | .4140 | ---- | ---- | ---- | ---- | 21 UNCH |
| 299 | ---- | ---- | 0.0585B/0.0420A | 0.0585B/0.0420A | ---- | 0.0495 + 0.0025 | .4417 | ---- | ---- | ---- | ---- | 10 UNCH |
| 300 | 0.0615 | 0.0615 | 0.0630B/0.0455A | 0.0630B/0.0455A | ---- | 0.0540 + 0.0025 | .4695 | ---- | ---- | 233 | ---- | 360 + 175 |
| 301 | 0.0645 | 0.0645 | 0.0685B/0.0495A | 0.0685B/0.0495A | ---- | 0.0590 + 0.0030 | .4975 | ---- | ---- | 2 | ---- | 8 + 1 |
| 302 | ---- | ---- | 0.0745B/0.0550A | 0.0745B/0.0550A | ---- | 0.0645 + 0.0035 | .5253 | ---- | ---- | ---- | ---- | 31 UNCH |
| 303 | ---- | ---- | 0.0795B/0.0605A | 0.0795B/0.0605A | ---- | 0.0700 + 0.0035 | .5531 | ---- | ---- | ---- | ---- | 5 UNCH |
| 304 | ---- | ---- | 0.0855B/0.0660A | 0.0855B/0.0660A | ---- | 0.0760 + 0.0040 | .5801 | ---- | ---- | ---- | ---- | 19 UNCH |
| 305 | ---- | ---- | 0.0920B/0.0715A | 0.0920B/0.0715A | ---- | 0.0825 + 0.0045 | .6061 | ---- | ---- | ---- | ---- | 141 UNCH |
| 306 | ---- | ---- | 0.0990B/0.0775A | 0.0990B/0.0775A | ---- | 0.0890 + 0.0050 | .6317 | ---- | ---- | ---- | ---- | 11 UNCH |
| 307 | ---- | ---- | 0.1060B/0.0850A | 0.1060B/0.0850A | ---- | 0.0955 + 0.0050 | .6574 | ---- | ---- | ---- | ---- | 37 UNCH |
| 308 | ---- | ---- | 0.1135B/0.0910A | 0.1135B/0.0910A | ---- | 0.1025 + 0.0055 | .6796 | ---- | ---- | ---- | ---- | 3 UNCH |
| 309 | ---- | ---- | 0.1215B/0.0980A | 0.1215B/0.0980A | ---- | 0.1100 + 0.0055 | .7034 | ---- | ---- | ---- | ---- | 10 UNCH |
| 310 | ---- | ---- | 0.1290B/0.1055A | 0.1290B/0.1055A | ---- | 0.1175 + 0.0060 | .7251 | ---- | ---- | ---- | ---- | 522 UNCH |
| 311 | ---- | ---- | 0.1370B/0.1120A | 0.1370B/0.1120A | ---- | 0.1255 + 0.0060 | .7443 | ---- | ---- | ---- | ---- | 58 UNCH |
| 312 | ---- | ---- | 0.1455B/0.1205A | 0.1455B/0.1205A | ---- | 0.1335 + 0.0065 | .7631 | ---- | ---- | ---- | ---- | 12 UNCH |
| 313 | 0.1500 | 0.1500 | 0.1535B/0.1280A | 0.1535B/0.1280A | ---- | 0.1415 + 0.0060 | .7817 | ---- | ---- | 6 | ---- | 6 + 3 |
| 314 | ---- | ---- | #0.1625B/0.1355 | #0.1625B/0.1355 | ---- | 0.1500 + 0.0065 | .7973 | ---- | ---- | ---- | ---- | 29 UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.1585 + 0.0065 | .8126 | ---- | ---- | ---- | ---- | 65 UNCH |
| 316 | ---- | ---- | ---- | ---- | ---- | 0.1670 + 0.0065 | .8277 | ---- | ---- | ---- | ---- | 33 UNCH |
| 317 | ---- | ---- | ---- | ---- | ---- | 0.1755 + 0.0065 | .8394 | ---- | ---- | ---- | ---- | 45 UNCH |
| 318 | ---- | ---- | ---- | ---- | ---- | 0.1845 + 0.0065 | .8541 | ---- | ---- | ---- | ---- | 51 UNCH |
| 319 | ---- | ---- | ---- | ---- | ---- | 0.1935 + 0.0070 | .8653 | ---- | ---- | ---- | ---- | 7 UNCH |
| 320 | ---- | ---- | ---- | ---- | ---- | 0.2025 + 0.0070 | .8763 | ---- | ---- | ---- | ---- | 8 UNCH |
| 322 | ---- | ---- | ---- | ---- | ---- | 0.2210 + 0.0075 | .8940 | ---- | ---- | ---- | ---- | 40 UNCH |
| 323 | 0.2465 | 0.2465 | #0.2465/0.2465 | #0.2465/0.2465 | ---- | 0.2300 + 0.0070 | .9007 | ---- | ---- | 5 | ---- | 58 UNCH |
| 324 | 0.2465 | 0.2465 | #0.2465/0.2465 | #0.2465/0.2465 | ---- | 0.2395 + 0.0075 | .9111 | ---- | ---- | 7 | ---- | 46 UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2490 + 0.0075 | .9174 | ---- | ---- | ---- | ---- | 15 UNCH |
| 326 | ---- | ---- | ---- | ---- | ---- | 0.2585 + 0.0080 | .9236 | ---- | ---- | ---- | ---- | 40 UNCH |
| 327 | ---- | ---- | ---- | ---- | ---- | 0.2680 + 0.0080 | .9296 | ---- | ---- | ---- | ---- | 1 UNCH |
| 328 | ---- | ---- | ---- | ---- | ---- | 0.2775 + 0.0080 | .9356 | ---- | ---- | ---- | ---- | 14 UNCH |
| 329 | ---- | ---- | ---- | ---- | ---- | 0.2870 + 0.0080 | .9370 | ---- | ---- | ---- | ---- | 5 UNCH |
| 332 | ---- | ---- | ---- | ---- | ---- | 0.3160 + 0.0080 | .9495 | ---- | ---- | ---- | ---- | 9 UNCH |
| TOTAL | | | | | | | | | | 288 | | 2394 + 186 |
| SEP18 | | | | | | | | | | | | |
| 220 | ---- | ---- | ---- | ---- | ---- | 0.0005 UNCH | .0023 | ---- | ---- | ---- | ---- | 1 UNCH |
| 245 | ---- | ---- | ---- | ---- | ---- | 0.0020 + 0.0005 | .0170 | ---- | ---- | ---- | ---- | 7 UNCH |
| 250 | ---- | ---- | 0.0025B/---- | 0.0025B/---- | ---- | 0.0030 + 0.0010 | .0251 | ---- | ---- | ---- | ---- | 6 UNCH |
| 255 | 0.0035 | 0.0035 | 0.0035/0.0035 | 0.0035/0.0035 | ---- | 0.0040 NEW | .0337 | ---- | ---- | 16 | ---- | 16 + 16 |
| 260 | 0.0055 | 0.0055 | 0.0055/0.0055 | 0.0055/0.0055 | ---- | 0.0055 + 0.0015 | .0463 | ---- | ---- | 1 | ---- | 22 UNCH |
| 265 | ---- | ---- | 0.0070B/---- | 0.0070B/---- | ---- | 0.0075 + 0.0015 | .0630 | ---- | ---- | ---- | ---- | 2 UNCH |
| 270 | 0.0100 | 0.0100 | 0.0105/0.0100 | 0.0105/0.0100 | ---- | 0.0100 + 0.0015 | .0843 | ---- | ---- | 86 | 50 | 401 + 43 |
| 275 | ---- | ---- | 0.0150B/---- | 0.0150B/---- | ---- | 0.0145 + 0.0020 | .1183 | ---- | ---- | 40 | ---- | 289 + 40 |
| 280 | 0.0210 | 0.0210 | 0.0215B/0.0210 | 0.0215B/0.0210 | ---- | 0.0205 + 0.0020 | .1619 | ---- | ---- | 2 | ---- | 527 UNCH |
| 285 | 0.0315 | 0.0315 | 0.0315/0.0265A | 0.0315/0.0265A | ---- | 0.0295 + 0.0020 | .2206 | ---- | ---- | 1 | ---- | 408 - 1 |
| 287 | ---- | ---- | 0.0360B/0.0305A | 0.0360B/0.0305A | ---- | 0.0340 + 0.0020 | .2480 | ---- | ---- | ---- | ---- | 2 UNCH |
| 288 | ---- | ---- | 0.0390B/0.0330A | 0.0390B/0.0330A | ---- | 0.0365 + 0.0020 | .2626 | ---- | ---- | ---- | ---- | 23 UNCH |
| 289 | ---- | ---- | 0.0420B/0.0350A | 0.0420B/0.0350A | ---- | 0.0390 + 0.0020 | .2773 | ---- | ---- | ---- | ---- | 3 UNCH |
| 290 | 0.0460 | 0.0460 | 0.0460/0.0375A | 0.0460/0.0375A | ---- | 0.0415 + 0.0015 | .2923 | ---- | ---- | 18 | ---- | 785 + 15 |
| 292 | ---- | ---- | 0.0520B/0.0430A | 0.0520B/0.0430A | ---- | 0.0475 + 0.0015 | .3250 | ---- | ---- | ---- | ---- | 1 UNCH |
| 293 | ---- | ---- | 0.0560B/0.0465A | 0.0560B/0.0465A | ---- | 0.0510 + 0.0020 | .3425 | ---- | ---- | ---- | ---- | 10 UNCH |
| 294 | 0.0630 | 0.0630 | #0.0630/0.0490A | #0.0630/0.0490A | ---- | 0.0545 + 0.0020 | .3600 | ---- | ---- | 1 | ---- | 3 + 1 |
| 295 | 0.0575 | 0.0575 | 0.0640B/0.0530A | 0.0640B/0.0530A | ---- | 0.0585 + 0.0025 | .3783 | ---- | ---- | 25 | ---- | 66 UNCH |
| 296 | ---- | ---- | #0.0685B/0.0560 | #0.0685B/0.0560 | ---- | 0.0620 + 0.0020 | .3961 | ---- | ---- | ---- | ---- | 1 UNCH |
| 297 | ---- | ---- | #0.0730B/0.0600 | #0.0730B/0.0600 | ---- | 0.0665 + 0.0025 | .4150 | ---- | ---- | ---- | ---- | 20 UNCH |
| 298 | ---- | ---- | #0.0780B/0.0640 | #0.0780B/0.0640 | ---- | 0.0705 + 0.0025 | .4336 | ---- | ---- | ---- | ---- | 2 UNCH |
| 299 | 0.0820 | 0.0820 | #0.0830B/0.0680 | #0.0830B/0.0680 | ---- | 0.0750 + 0.0025 | .4526 | ---- | ---- | 5 | ---- | 23 + 5 |
| 300 | 0.0805 | 0.0805 | 0.0880B/0.0725A | 0.0880B/0.0725A | ---- | 0.0800 + 0.0030 | .4718 | ---- | ---- | 1 | 250 | 778 + 250 |
| 302 | 0.0905 | 0.0905 | #0.0990B/0.0820 | #0.0990B/0.0820 | ---- | 0.0900 + 0.0030 | .5099 | ---- | ---- | 5 | ---- | 1 - 5 |
| 304 | ---- | ---- | #0.1110B/0.0920 | #0.1110B/0.0920 | ---- | 0.1015 + 0.0040 | .5479 | ---- | ---- | ---- | ---- | 14 UNCH |
| 305 | ---- | ---- | 0.1165B/0.0975A | 0.1165B/0.0975A | ---- | 0.1075 + 0.0040 | .5664 | ---- | ---- | ---- | ---- | 179 UNCH |
| 306 | ---- | ---- | #0.1225B/0.1035 | #0.1225B/0.1035 | ---- | 0.1135 + 0.0045 | .5849 | ---- | ---- | ---- | ---- | 1 UNCH |
| 309 | ---- | ---- | #0.1435B/0.1220 | #0.1435B/0.1220 | ---- | 0.1330 + 0.0050 | .6370 | ---- | ---- | ---- | ---- | 8 UNCH |
| 310 | 0.1400 | 0.1400 | 0.1500B/0.1285A | 0.1500B/0.1285A | ---- | 0.1400 + 0.0050 | .6545 | ---- | ---- | 4 | ---- | 73 + 4 |
| 311 | ---- | ---- | #0.1575B/0.1355 | #0.1575B/0.1355 | ---- | 0.1470 + 0.0055 | .6698 | ---- | ---- | ---- | ---- | 12 UNCH |
| 312 | ---- | ---- | #0.1655B/0.1425 | #0.1655B/0.1425 | ---- | 0.1540 + 0.0055 | .6862 | ---- | ---- | ---- | ---- | 3 UNCH |
| 314 | ---- | ---- | #0.1800B/0.1570 | #0.1800B/0.1570 | ---- | 0.1690 + 0.0060 | .7160 | ---- | ---- | ---- | ---- | 1 UNCH |
| 315 | 0.1720 | 0.1720 | #0.1885B/0.1635 | #0.1885B/0.1635 | ---- | 0.1770 + 0.0065 | .7308 | ---- | ---- | 1 | ---- | 6 + 1 |
| 316 | ---- | ---- | #0.1960B/0.1720 | #0.1960B/0.1720 | ---- | 0.1845 + 0.0065 | .7440 | ---- | ---- | ---- | ---- | 1 UNCH |
| 317 | ---- | ---- | #0.2045B/0.1790 | #0.2045B/0.1790 | ---- | 0.1925 + 0.0065 | .7570 | ---- | ---- | ---- | ---- | 9 UNCH |
| 318 | ---- | ---- | #0.2130B/0.1875 | #0.2130B/0.1875 | ---- | 0.2005 + 0.0065 | .7699 | ---- | ---- | ---- | ---- | 4 UNCH |
| 320 | 0.2120 | 0.2120 | #0.2275B/0.2070 | #0.2275B/0.2070 | ---- | 0.2170 + 0.0070 | .7936 | ---- | ---- | 4 | ---- | 308 UNCH |
| 322 | ---- | ---- | ---- | ---- | ---- | 0.2335 + 0.0070 | .8149 | ---- | ---- | ---- | ---- | 2 UNCH |
| 323 | ---- | ---- | ---- | ---- | ---- | 0.2425 + 0.0075 | .8254 | ---- | ---- | ---- | ---- | 9 UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2595 + 0.0070 | .8439 | ---- | ---- | ---- | ---- | 4 UNCH |
| 329 | ---- | ---- | ---- | ---- | ---- | 0.2955 + 0.0075 | .8778 | ---- | ---- | ---- | ---- | 1 UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.3045 + 0.0075 | .8855 | ---- | ---- | ---- | ---- | 4 UNCH |
| TOTAL | | | | | | | | | 300 | 210 | | 4036 + 369 |
| OCT18 | | | | | | | | | | | | |
| 240 | ---- | ---- | #0.0020B/---- | #0.0020B/---- | ---- | 0.0030 NEW | .0210 | ---- | ---- | 1 | ---- | 1 + 1 |
| 245 | ---- | ---- | #0.0030B/---- | #0.0030B/---- | ---- | 0.0035 NEW | .0253 | ---- | ---- | 3 | ---- | 3 + 3 |
| 260 | ---- | ---- | #0.0080B/---- | #0.0080B/---- | ---- | 0.0085 + 0.0015 | .0600 | ---- | ---- | 1 | ---- | 2 + 1 |
| 265 | ---- | ---- | 0.0110B/---- | 0.0110B/---- | ---- | 0.0115 + 0.0015 | .0797 | ---- | ---- | 3 | ---- | 10 + 3 |
| 270 | 0.0145 | 0.0145 | #0.0155B/0.0145 | #0.0155B/0.0145 | ---- | 0.0150 + 0.0010 | .1032 | ---- | ---- | 14 | ---- | 17 + 13 |
| 275 | ---- | ---- | #0.0210B/0.0190 | #0.0210B/0.0190 | ---- | 0.0205 + 0.0010 | .1365 | ---- | ---- | ---- | ---- | 4 UNCH |
| 280 | ---- | ---- | #0.0290B/0.0255 | #0.0290B/0.0255 | ---- | 0.0275 + 0.0010 | .1772 | ---- | ---- | ---- | ---- | 100 UNCH |

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# METALS OPTIONS PRODUCTS



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*CME Group, Inc.*
*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HX PUT | | COMEX COPPER OPTIONS | | | | | | | | | | |
| OCT18 | | | | | | | | | | | | |
| 285 | ---- | ---- | #0.0390B/0.0350 | #0.0390B/0.0350 | ---- | 0.0375 + 0.0010 | .2293 | ---- | ---- | ---- | ---- | 5 UNCH |
| 290 | ---- | ---- | #0.0530B/0.0470 | #0.0530B/0.0470 | ---- | 0.0500 + 0.0010 | .2899 | ---- | ---- | ---- | ---- | 185 UNCH |
| 295 | ---- | ---- | #0.0710B/0.0625 | #0.0710B/0.0625 | ---- | 0.0665 + 0.0015 | .3600 | ---- | ---- | ---- | ---- | 10 UNCH |
| 300 | ---- | ---- | #0.0930B/0.0800 | #0.0930B/0.0800 | ---- | 0.0875 + 0.0025 | .4363 | ---- | ---- | ---- | 100 | 113 + 100 |
| 305 | 0.1185 | 0.1185 | #0.1195B/0.1035 | #0.1195B/0.1035 | ---- | 0.1125 NEW | .5145 | ---- | ---- | 11 | ---- | 11 + 11 |
| 310 | ---- | ---- | #0.1495B/0.1340 | #0.1495B/0.1340 | ---- | 0.1415 + 0.0040 | .5909 | ---- | ---- | ---- | ---- | 1 UNCH |
| 315 | ---- | ---- | #0.1835B/0.1675 | #0.1835B/0.1675 | ---- | 0.1750 + 0.0050 | .6617 | ---- | ---- | ---- | ---- | 17 UNCH |
| 350 | ---- | ---- | ---- | ---- | ---- | 0.4775 + 0.0085 | .9288 | ---- | ---- | ---- | ---- | 15 UNCH |
| 355 | ---- | ---- | ---- | ---- | ---- | 0.5255 + 0.0085 | .9435 | ---- | ---- | ---- | ---- | 19 UNCH |
| 360 | ---- | ---- | ---- | ---- | ---- | 0.5740 + 0.0085 | .9550 | ---- | ---- | ---- | ---- | 12 UNCH |
| TOTAL | | | | | | | | | 100 | 33 | | 525 + 132 |
| NOV18 | | | | | | | | | | | | |
| 270 | 0.0160 | 0.0160 | #0.0175B/*0.016 | #0.0175B/*0.016 | ---- | 0.0205 NEW | .1235 | ---- | ---- | 1 | ---- | 1 + 1 |
| 280 | 0.0420 | 0.0420 | #0.0420/*0.0365 | #0.0420/*0.0365 | ---- | 0.0375 UNCH | .2041 | ---- | ---- | 2 | ---- | 1 + 1 |
| TOTAL | | | | | | | | | | 3 | | 2 + 2 |
| DEC18 | | | | | | | | | | | | |
| 260 | ---- | ---- | ---- | ---- | ---- | 0.0205 + 0.0005 | .1037 | ---- | ---- | ---- | ---- | 220 UNCH |
| 275 | ---- | ---- | ---- | ---- | ---- | 0.0450 + 0.0010 | .1999 | ---- | ---- | ---- | ---- | 1 UNCH |
| 290 | ---- | ---- | ---- | ---- | ---- | 0.0880 + 0.0025 | .3363 | ---- | ---- | ---- | ---- | 50 UNCH |
| 300 | ---- | ---- | ---- | ---- | ---- | 0.1290 + 0.0030 | .4431 | ---- | ---- | ---- | ---- | 200 UNCH |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.1810 + 0.0045 | .5541 | ---- | ---- | ---- | ---- | 5 UNCH |
| 315 | ---- | ---- | ---- | ---- | ---- | 0.2110 + 0.0050 | .6088 | ---- | ---- | ---- | ---- | 700 UNCH |
| 320 | ---- | ---- | ---- | ---- | ---- | 0.2435 + 0.0050 | .6610 | ---- | ---- | ---- | ---- | 120 UNCH |
| 330 | ---- | ---- | ---- | ---- | ---- | 0.3165 + 0.0060 | .7547 | ---- | ---- | ---- | ---- | 9 UNCH |
| TOTAL | | | | | | | | | | | | 1305 |
| FEB19 | | | | | | | | | | | | |
| 310 | ---- | ---- | ---- | ---- | ---- | 0.2010 + 0.0040 | .5147 | ---- | ---- | ---- | ---- | 100 UNCH |
| 325 | ---- | ---- | ---- | ---- | ---- | 0.2940 + 0.0050 | .6436 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 150 |

## PLATINUM OPTIONS ON FUTURES

| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HRO CALL | | HOT ROLLED COIL STEEL | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 69000 | ---- | ---- | ---- | ---- | ---- | 214.00 + 4.00 | 1.0000 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 0 |
| JUL18 | | | | | | | | | | | | |
| 69000 | ---- | ---- | ---- | ---- | ---- | 216.75 + 1.00 | 1.0000 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 0 |
| AUG18 | | | | | | | | | | | | |
| 69000 | ---- | ---- | ---- | ---- | ---- | 207.25 - 3.00 | 1.0000 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 0 |
| SEP18 | | | | | | | | | | | | |
| 69000 | ---- | ---- | ---- | ---- | ---- | 176.25 + 4.00 | .9993 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 0 |
| OCT18 | | | | | | | | | | | | |
| 69000 | ---- | ---- | ---- | ---- | ---- | 166.00 UNCH | .9955 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 0 |
| NOV18 | | | | | | | | | | | | |
| 69000 | ---- | ---- | ---- | ---- | ---- | 153.00 - 1.00 | .9853 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 0 |
| DEC18 | | | | | | | | | | | | |
| 69000 | ---- | ---- | ---- | ---- | ---- | 142.50 + 10.50 | .9695 | ---- | ---- | ---- | ---- | 100 UNCH |
| TOTAL | | | | | | | | | | | | 100 0 |
| ICT CALL | | IRON ORE 62 CHINA (TSI) | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | |
| 4100 | ---- | ---- | ---- | ---- | ---- | 23.85 - 0.06 | 1.0000 | ---- | ---- | ---- | ---- | 28 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.01 | .1192 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 50 UNCH |
| 8000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 100 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 238 0 |
| JUL18 | | | | | | | | | | | | |
| 4100 | ---- | ---- | ---- | ---- | ---- | 23.36 + 0.11 | .9970 | ---- | ---- | ---- | ---- | 98 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 0.82 - 0.02 | .4203 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0266 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0037 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 208 0 |
| AUG18 | | | | | | | | | | | | |
| 4100 | ---- | ---- | ---- | ---- | ---- | 22.82 - 0.08 | .9966 | ---- | ---- | ---- | ---- | 98 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 1.47 - 0.09 | .4261 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.30 - 0.04 | .1245 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0038 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 208 0 |
| SEP18 | | | | | | | | | | | | |
| 4100 | ---- | ---- | ---- | ---- | ---- | 22.79 - 0.21 | .9963 | ---- | ---- | ---- | ---- | 120 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 2.09 - 0.17 | .4526 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 0.69 - 0.10 | .1979 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0039 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 230 0 |
| OCT18 | | | | | | | | | | | | |
| 4100 | ---- | ---- | ---- | ---- | ---- | 22.72 - 0.18 | .9961 | ---- | ---- | ---- | ---- | 120 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 2.62 - 0.12 | .4675 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 1.10 - 0.07 | .2476 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.01 | .0039 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 230 0 |
| NOV18 | | | | | | | | | | | | |
| 4100 | ---- | ---- | ---- | ---- | ---- | 22.65 - 0.16 | .9959 | ---- | ---- | ---- | ---- | 98 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 3.05 - 0.12 | .4765 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 1.46 - 0.08 | .2796 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.04 - 0.01 | .0124 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 208 0 |
| DEC18 | | | | | | | | | | | | |
| 4100 | ---- | ---- | ---- | ---- | ---- | 22.56 - 0.16 | .9958 | ---- | ---- | ---- | ---- | 98 UNCH |
| 6500 | ---- | ---- | ---- | ---- | ---- | 3.41 - 0.13 | .4825 | ---- | ---- | ---- | ---- | 10 UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 1.78 - 0.09 | .3025 | ---- | ---- | ---- | ---- | 50 UNCH |
| 9000 | ---- | ---- | ---- | ---- | ---- | 0.09 - 0.01 | .0235 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 208 0 |
| JAN19 | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.22 - 0.12 | .6685 | ---- | ---- | ---- | ---- | 5 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0025 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 10 0 |
| FEB19 | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.40 - 0.13 | .6573 | ---- | ---- | ---- | ---- | 5 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0025 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 10 0 |
| MAR19 | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.55 - 0.13 | .6482 | ---- | ---- | ---- | ---- | 5 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 - 0.01 | .0025 | ---- | ---- | ---- | ---- | 5 UNCH |
| TOTAL | | | | | | | | | | | | 10 0 |
| APR19 | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.69 - 0.12 | .6403 | ---- | ---- | ---- | ---- | 5 UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0025 | ---- | ---- | ---- | ---- | 5 UNCH |

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# METALS OPTIONS PRODUCTS



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*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ICT CALL | | IRON ORE 62 CHINA (TSI) | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| MAY19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.83 - 0.13 | .6333 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0025 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| JUN19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 6.97 - 0.12 | .6271 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0025 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| JUL19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.08 - 0.13 | .6218 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0045 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| AUG19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.20 - 0.12 | .6168 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0063 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| SEP19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.32 - 0.12 | .6129 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.04 UNCH | .0080 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| OCT19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.42 - 0.12 | .6093 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0096 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| NOV19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.51 - 0.13 | .6055 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.06 UNCH | .0111 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| DEC19 | | | | | | | | | | | | | |
| 6000 | ---- | ---- | ---- | ---- | ---- | 7.62 - 0.12 | .6030 | ---- | ---- | ---- | ---- | 5 | UNCH |
| 12000 | ---- | ---- | ---- | ---- | ---- | 0.07 - 0.01 | .0126 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| ICT PUT | | IRON ORE 62 CHINA (TSI) | | | | | | | | | | | |
| JUN18 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | ---- | ---- | ---- | ---- | ---- | 10 | UNCH |
| 5500 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0035 | ---- | ---- | ---- | ---- | 50 | UNCH |
| TOTAL | | | | | | | | | | | | 60 | 0 |
| JUL18 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0024 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.24 - 0.06 | .1164 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 6400 | ---- | ---- | ---- | ---- | ---- | 0.95 - 0.12 | .4348 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 5.62 - 0.11 | .9733 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 230 | 0 |
| AUG18 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0026 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 0.73 - 0.03 | .2189 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 6.38 + 0.04 | .8754 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 130 | 0 |
| SEP18 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0027 | ---- | ---- | ---- | ---- | 10 | UNCH |
| 6000 | ---- | ---- | ---- | ---- | ---- | 1.29 UNCH | .2706 | ---- | ---- | ---- | ---- | 60 | UNCH |
| 7000 | ---- | ---- | ---- | ---- | ---- | 6.76 + 0.12 | .8020 | ---- | ---- | ---- | ---- | 60 | UNCH |
| TOTAL | | | | | | | | | | | | 130 | 0 |
| OCT18 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0027 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| NOV18 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0027 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| DEC18 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0027 | ---- | ---- | ---- | ---- | 10 | UNCH |
| TOTAL | | | | | | | | | | | | 10 | 0 |
| JAN19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.01 UNCH | .0028 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| FEB19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.02 UNCH | .0049 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| MAR19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.03 UNCH | .0069 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| APR19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.05 UNCH | .0103 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| MAY19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.07 UNCH | .0135 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| JUN19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.10 UNCH | .0177 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| JUL19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.13 UNCH | .0215 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| AUG19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.16 UNCH | .0252 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| SEP19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.20 UNCH | .0296 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| OCT19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.24 UNCH | .0337 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| NOV19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.29 UNCH | .0386 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| DEC19 | | | | | | | | | | | | | |
| 4000 | ---- | ---- | ---- | ---- | ---- | 0.34 UNCH | .0430 | ---- | ---- | ---- | ---- | 5 | UNCH |
| TOTAL | | | | | | | | | | | | 5 | 0 |
| PAO CALL | | NYMEX PALLADIUM OPTIONS | | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | | |
| 950 | ---- | ---- | ----/18.30A | ----/18.30A | ---- | 17.50 - 4.90 | .4618 | ---- | ---- | ---- | ---- | 1 | UNCH |
| 960 | 15.00 | 15.00 | 15.00/14.90A | 15.00/14.90A | ---- | 13.60 NEW | .3853 | ---- | ---- | 15 | ---- | 15 + | 15 |
| 980 | ---- | ---- | ----/8.80A | ----/8.80A | ---- | 8.30 - 2.40 | .2578 | ---- | ---- | ---- | ---- | 50 | UNCH |
| 1000 | ---- | ---- | ----/5.90A | ----/5.90A | ---- | 5.20 - 1.60 | .1693 | ---- | ---- | ---- | ---- | 75 | UNCH |
| 1005 | ---- | ---- | ----/*5.60A | ----/*5.60A | ---- | 4.60 - 1.50 | .1516 | ---- | ---- | ---- | ---- | 100 | UNCH |
| 1040 | ---- | ---- | ---- | ---- | ---- | 2.40 - 0.90 | .0784 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 1050 | ---- | ---- | ---- | ---- | ---- | 2.00 - 0.90 | .0651 | ---- | ---- | ---- | ---- | 15 | UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 1.00 - 0.60 | .0305 | ---- | ---- | ---- | ---- | 34 | UNCH |
| TOTAL | | | | | | | | | | 15 | | 305 + | 15 |
| SEP18 | | | | | | | | | | | | | |
| 980 | ---- | ---- | ----/19.70A | ----/19.70A | ---- | 17.90 - 2.70 | .3444 | ---- | ---- | ---- | ---- | 34 | UNCH |
| 990 | ---- | ---- | ----/15.80A | ----/15.80A | ---- | 15.20 - 2.30 | .3032 | ---- | ---- | ---- | ---- | 25 | UNCH |
| 1000 | ---- | ---- | ----/14.10A | ----/14.10A | ---- | 12.80 - 2.00 | .2649 | ---- | ---- | ---- | ---- | 20 | UNCH |

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# METALS OPTIONS PRODUCTS



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*20 South Wacker Drive, Chicago, Illinois 60606-7499.*
*Customer Service: (312) 930-1000*

**FINAL**



| | GLOBEX OPEN | OPEN OUTCRY OPEN RANGE | GLOBEX HIGH/LOW | OPEN OUTCRY HIGH/LOW | OPEN OUTCRY CLOSE RANGE | SETT.PRICE & PT.CHGE. | DELTA | EXER CISES | OPEN OUTCRY VOLUME | GLOBEX® VOLUME | PNT VOLUME | OPEN INTEREST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PAO CALL | | NYMEX PALLADIUM OPTIONS | | | | | | | | | | |
| SEP18 | | | | | | | | | | | | |
| 1020 | ---- | ---- | ----/9.70A | ----/9.70A | ---- | 9.10 - 1.60 | .2000 | ---- | ---- | ---- | ---- | 55 UNCH |
| 1025 | ---- | ---- | ----/9.40A | ----/9.40A | ---- | 8.30 - 1.60 | .1854 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1050 | 5.00 | 5.00 | 5.00/*5.00 | 5.00/*5.00 | ---- | 5.60 - 1.20 | .1305 | ---- | ---- | 10 | ---- | 360 - 10 |
| 1090 | ---- | ---- | ---- | ---- | ---- | 3.40 - 0.80 | .0800 | ---- | ---- | ---- | ---- | 20 UNCH |
| 1100 | ---- | ---- | ---- | ---- | ---- | 3.10 - 0.70 | .0723 | ---- | ---- | ---- | ---- | 109 UNCH |
| 1125 | ---- | ---- | ---- | ---- | ---- | 2.50 - 0.50 | .0571 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1150 | ---- | ---- | ---- | ---- | ---- | 2.10 - 0.40 | .0467 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | 10 | | 929 - 10 |
| DEC18 | | | | | | | | | | | | |
| 1050 | ---- | ---- | ---- | ---- | ---- | 20.00 - 2.90 | .2526 | ---- | ---- | ---- | ---- | 100 UNCH |
| 1115 | ---- | ---- | ---- | ---- | ---- | 11.10 - 1.80 | .1537 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 150 0 |
| PAO PUT | | NYMEX PALLADIUM OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 905 | ---- | ---- | 5.80B/---- | 5.80B/---- | ---- | 6.50 + 2.30 | .2090 | ---- | ---- | ---- | ---- | 100 UNCH |
| 940 | ---- | ---- | 18.80B/---- | 18.80B/---- | ---- | 18.30 + 4.90 | .4581 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 61.20 + 9.20 | .8306 | ---- | ---- | ---- | ---- | 30 UNCH |
| TOTAL | | | | | | | | | | | | 180 0 |
| SEP18 | | | | | | | | | | | | |
| 850 | ---- | ---- | ---- | ---- | ---- | 6.30 + 1.20 | .1284 | ---- | ---- | ---- | ---- | 50 UNCH |
| 870 | ---- | ---- | 7.50B/---- | 7.50B/---- | ---- | 8.80 + 1.80 | .1755 | ---- | ---- | ---- | ---- | 320 UNCH |
| 900 | ---- | ---- | 12.60B/---- | 12.60B/---- | ---- | 14.40 + 3.00 | .2736 | ---- | ---- | ---- | ---- | 151 UNCH |
| 925 | ---- | ---- | 21.90B/---- | 21.90B/---- | ---- | 22.40 + 4.50 | .3869 | ---- | ---- | ---- | ---- | 20 UNCH |
| 930 | ---- | ---- | 24.20B/---- | 24.20B/---- | ---- | 24.50 + 4.90 | .4121 | ---- | ---- | ---- | ---- | 100 UNCH |
| 980 | ---- | ---- | ---- | ---- | ---- | 54.00 + 8.10 | .6555 | ---- | ---- | ---- | ---- | 50 UNCH |
| TOTAL | | | | | | | | | | | | 691 0 |
| DEC18 | | | | | | | | | | | | |
| 850 | ---- | ---- | ---- | ---- | ---- | 20.20 + 2.20 | .2286 | ---- | ---- | ---- | ---- | 15 UNCH |
| 900 | ---- | ---- | ---- | ---- | ---- | 36.30 + 3.50 | .3574 | ---- | ---- | ---- | ---- | 200 UNCH |
| TOTAL | | | | | | | | | | | | 215 0 |
| PO CALL | | PLATINUM OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 880 | ---- | ---- | ----/9.30A | ----/9.30A | ---- | 8.60 - 5.00 | .3313 | ---- | ---- | ---- | ---- | 40 UNCH |
| 890 | ---- | ---- | ----/7.50A | ----/7.50A | ---- | 6.20 - 4.10 | .2524 | ---- | ---- | ---- | ---- | 145 UNCH |
| 900 | ---- | ---- | ----/5.30A | ----/5.30A | ---- | 4.60 - 3.30 | .1925 | ---- | ---- | ---- | ---- | 1 UNCH |
| 910 | ---- | ---- | ----/4.70A | ----/4.70A | ---- | 3.50 - 2.70 | .1479 | ---- | ---- | ---- | ---- | 451 UNCH |
| 920 | ---- | ---- | ----/*3.00A | ----/*3.00A | ---- | 2.70 - 2.30 | .1144 | ---- | ---- | ---- | ---- | 38 UNCH |
| 940 | ---- | ---- | ---- | ---- | ---- | 1.90 - 1.60 | .0765 | ---- | ---- | ---- | ---- | 8 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 1.70 - 1.40 | .0658 | ---- | ---- | ---- | ---- | 567 UNCH |
| 980 | ---- | ---- | ---- | ---- | ---- | 1.20 - 1.00 | .0425 | ---- | ---- | ---- | ---- | 8 UNCH |
| 990 | ---- | ---- | ---- | ---- | ---- | 1.20 - 0.90 | .0403 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 1259 0 |
| SEP18 | | | | | | | | | | | | |
| 880 | ---- | ---- | ----/14.60A | ----/14.60A | ---- | 13.60 - 5.20 | .3789 | ---- | ---- | ---- | ---- | 1 UNCH |
| 890 | ---- | ---- | ----/12.60A | ----/12.60A | ---- | 10.80 - 4.20 | .3152 | ---- | ---- | ---- | ---- | 7 UNCH |
| 900 | ---- | ---- | ----/10.20A | ----/10.20A | ---- | 8.70 - 3.30 | .2617 | ---- | ---- | ---- | ---- | 2 UNCH |
| 910 | ---- | ---- | ----/8.10A | ----/8.10A | ---- | 7.10 - 2.40 | .2177 | ---- | ---- | ---- | ---- | 1 UNCH |
| 920 | ---- | ---- | ----/6.90A | ----/6.90A | ---- | 6.00 - 1.60 | .1840 | ---- | ---- | ---- | ---- | 1 UNCH |
| 930 | ---- | ---- | ---- | ---- | ---- | 5.20 - 0.90 | .1578 | ---- | ---- | ---- | ---- | 20 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 4.00 + 0.10 | .1186 | ---- | ---- | ---- | ---- | 1 UNCH |
| 970 | ---- | ---- | ---- | ---- | ---- | 3.30 + 0.70 | .0939 | ---- | ---- | ---- | ---- | 2 UNCH |
| TOTAL | | | | | | | | | | | | 35 0 |
| OCT18 | | | | | | | | | | | | |
| 880 | 20.00 | 20.00 | 20.00/20.00 | 20.00/20.00 | ---- | 19.20 NEW | .4106 | ---- | ---- | 20 | ---- | 20 + 20 |
| 900 | 15.00 | 15.00 | 15.00/15.00 | 15.00/15.00 | ---- | 13.20 - 2.50 | .3084 | ---- | ---- | 2 | ---- | 102 + 2 |
| 910 | ---- | ---- | ---- | ---- | ---- | 10.90 - 2.00 | .2645 | ---- | ---- | ---- | ---- | 1 UNCH |
| 920 | ---- | ---- | ---- | ---- | ---- | 9.00 - 1.50 | .2257 | ---- | ---- | ---- | ---- | 2 UNCH |
| 930 | ---- | ---- | ---- | ---- | ---- | 7.40 - 1.10 | .1915 | ---- | ---- | ---- | ---- | 1 UNCH |
| 940 | 7.00 | 7.00 | 8.00/7.00 | 8.00/7.00 | ---- | 6.10 - 0.80 | .1622 | ---- | ---- | 25 | ---- | 45 + 20 |
| 950 | ---- | ---- | ---- | ---- | ---- | 5.10 - 0.50 | .1381 | ---- | ---- | ---- | ---- | 1603 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 2.30 + 0.20 | .0649 | ---- | ---- | ---- | ---- | 1476 UNCH |
| 1020 | ---- | ---- | ---- | ---- | ---- | 1.80 + 0.20 | .0504 | ---- | ---- | ---- | ---- | 90 UNCH |
| 1030 | ---- | ---- | ---- | ---- | ---- | 1.60 + 0.10 | .0446 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 47 | | 3341 + 42 |
| JAN19 | | | | | | | | | | | | |
| 900 | ---- | ---- | ---- | ---- | ---- | 20.90 - 5.20 | .3721 | ---- | ---- | ---- | ---- | 150 UNCH |
| 950 | ---- | ---- | ---- | ---- | ---- | 9.70 - 2.90 | .2022 | ---- | ---- | ---- | ---- | 101 UNCH |
| 980 | ---- | ---- | ---- | ---- | ---- | 6.00 - 2.10 | .1345 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | | | 252 0 |
| PO PUT | | PLATINUM OPTIONS | | | | | | | | | | |
| AUG18 | | | | | | | | | | | | |
| 830 | ---- | ---- | 2.10B/---- | 2.10B/---- | ---- | 3.50 + 2.10 | .1714 | ---- | ---- | ---- | ---- | 20 UNCH |
| 850 | ---- | ---- | #8.70B/---- | #8.70B/---- | ---- | 9.60 + 4.30 | .3626 | ---- | ---- | ---- | ---- | 115 UNCH |
| 870 | 14.00 | 14.00 | #16.50B/14.00 | #16.50B/14.00 | ---- | 19.80 NEW | .5750 | ---- | ---- | 1 | ---- | 1 + 1 |
| 880 | ---- | ---- | ---- | ---- | ---- | 26.50 + 7.60 | .6687 | ---- | ---- | ---- | ---- | 21 UNCH |
| 890 | ---- | ---- | ---- | ---- | ---- | 34.20 + 8.60 | .7475 | ---- | ---- | ---- | ---- | 1 UNCH |
| 900 | ---- | ---- | ---- | ---- | ---- | 42.50 + 9.30 | .8075 | ---- | ---- | ---- | ---- | 170 UNCH |
| TOTAL | | | | | | | | | | 1 | | 328 + 1 |
| SEP18 | | | | | | | | | | | | |
| 830 | ---- | ---- | #7.10B/---- | #7.10B/---- | ---- | 8.30 + 3.50 | .2543 | ---- | ---- | ---- | ---- | 43 UNCH |
| 850 | ---- | ---- | #14.40B/---- | #14.40B/---- | ---- | 15.20 + 5.00 | .3958 | ---- | ---- | 5 | ---- | 5 UNCH |
| 870 | ---- | ---- | #25.40B/---- | #25.40B/---- | ---- | 25.20 + 6.50 | .5489 | ---- | ---- | 5 | ---- | 5 UNCH |
| 890 | ---- | ---- | ---- | ---- | ---- | 38.70 + 8.40 | .6847 | ---- | ---- | ---- | ---- | 20 UNCH |
| 900 | ---- | ---- | ---- | ---- | ---- | 46.60 + 9.40 | .7382 | ---- | ---- | ---- | ---- | 1 UNCH |
| 910 | ---- | ---- | ---- | ---- | ---- | 55.00 + 10.30 | .7822 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 10 | | 75 0 |
| OCT18 | | | | | | | | | | | | |
| 830 | ---- | ---- | #11.70B/---- | #11.70B/---- | ---- | 12.20 + 4.40 | .2911 | ---- | ---- | ---- | ---- | 115 UNCH |
| 850 | 20.00 | 20.00 | #22.00/20.00 | #22.00/20.00 | ---- | 20.30 + 6.20 | .4114 | ---- | ---- | 3 | ---- | 131 + 3 |
| 860 | 22.00 | 22.00 | #24.80B/22.00 | #24.80B/22.00 | ---- | 25.30 + 7.10 | .4726 | ---- | ---- | 4 | ---- | 54 + 4 |
| 880 | ---- | ---- | #34.60B/---- | #34.60B/---- | ---- | 37.10 + 8.80 | .5893 | ---- | ---- | ---- | ---- | 1 UNCH |
| 900 | ---- | ---- | ---- | ---- | ---- | 51.00 + 10.10 | .6915 | ---- | ---- | ---- | ---- | 52 UNCH |
| 920 | ---- | ---- | ---- | ---- | ---- | 66.80 + 11.20 | .7742 | ---- | ---- | ---- | ---- | 2 UNCH |
| 930 | ---- | ---- | ---- | ---- | ---- | 75.20 + 11.60 | .8084 | ---- | ---- | ---- | ---- | 50 UNCH |
| 1000 | ---- | ---- | ---- | ---- | ---- | 139.90 + 12.90 | .9351 | ---- | ---- | ---- | ---- | 1 UNCH |
| TOTAL | | | | | | | | | | 7 | | 406 + 7 |
| JAN19 | | | | | | | | | | | | |
| 840 | ---- | ---- | ---- | ---- | ---- | 20.60 + 4.00 | .3504 | ---- | ---- | ---- | ---- | 2 UNCH |
| 870 | ---- | ---- | ---- | ---- | ---- | 34.90 + 5.80 | .4935 | ---- | ---- | ---- | ---- | 1 UNCH |
| 960 | ---- | ---- | ---- | ---- | ---- | 100.30 + 10.10 | .8226 | ---- | ---- | ---- | ---- | 11 UNCH |
| 980 | ---- | ---- | ---- | ---- | ---- | 118.00 + 10.70 | .8654 | ---- | ---- | ---- | ---- | 6 UNCH |
| 1000 | 130.00 | 130.00 | #130.00/130.00 | #130.00/130.00 | ---- | 136.30 + 11.10 | .8976 | ---- | ---- | 11 | ---- | 22 + 11 |
| TOTAL | | | | | | | | | | 11 | | 42 + 11 |
| APR19 | | | | | | | | | | | | |
| 860 | ---- | ---- | ---- | ---- | ---- | 36.00 + 5.20 | .4263 | ---- | ---- | ---- | ---- | 11 UNCH |
| TOTAL | | | | | | | | | | | | 11 0 |

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**FINAL**

64
Side 30



OPTIONS EOO'S AND BLOCKS

| PRODUCT | | STRIKE PRICE | EOO VOLUME | BLOCK VOLUME |
|---|---|---|---|---|
| OG CALL | | COMEX GOLD OPTIONS | | |
| AUG18 | CALL | | | |
| OG | | 1305 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| SEP18 | CALL | | | |
| OG | | 1265 | 0 | 750 |
| OG | | 1315 | 0 | 50 |
| OG | | 1320 | 0 | 1500 |
| TOTALS | | | 0 | 2300 |
| OCT18 | CALL | | | |
| OG | | 1365 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| DEC18 | CALL | | | |
| OG | | 1250 | 0 | 50 |
| OG | | 1350 | 0 | 90 |
| OG | | 1475 | 0 | 50 |
| TOTALS | | | 0 | 190 |
| FEB19 | CALL | | | |
| OG | | 1365 | 0 | 50 |
| OG | | 1450 | 0 | 100 |
| TOTALS | | | 0 | 150 |
| APR19 | CALL | | | |
| OG | | 1400 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUN19 | CALL | | | |
| OG | | 1290 | 0 | 200 |
| OG | | 1300 | 0 | 100 |
| OG | | 1400 | 0 | 200 |
| OG | | 1450 | 0 | 150 |
| OG | | 1500 | 0 | 100 |
| OG | | 1535 | 0 | 560 |
| OG | | 1600 | 0 | 175 |
| OG | | 1800 | 0 | 350 |
| TOTALS | | | 0 | 1835 |
| DEC19 | CALL | | | |
| OG | | 1600 | 0 | 100 |
| OG | | 1700 | 0 | 200 |
| OG | | 1800 | 0 | 100 |
| OG | | 2200 | 0 | 100 |
| OG | | 2500 | 0 | 200 |
| OG | | 3000 | 0 | 100 |
| TOTALS | | | 0 | 800 |
| OG PUT | | COMEX GOLD OPTIONS | | |
| AUG18 | PUT | | | |
| OG | | 1225 | 0 | 550 |
| TOTALS | | | 0 | 550 |
| SEP18 | PUT | | | |
| OG | | 1210 | 0 | 1500 |
| OG | | 1225 | 0 | 50 |
| OG | | 1265 | 0 | 750 |
| TOTALS | | | 0 | 2300 |
| OCT18 | PUT | | | |
| OG | | 1185 | 0 | 50 |
| OG | | 1240 | 0 | 250 |
| TOTALS | | | 0 | 300 |
| DEC18 | PUT | | | |
| OG | | 1140 | 0 | 1600 |
| TOTALS | | | 0 | 1600 |
| FEB19 | PUT | | | |
| OG | | 1205 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| APR19 | PUT | | | |
| OG | | 1200 | 0 | 50 |
| TOTALS | | | 0 | 50 |
| JUN19 | PUT | | | |
| OG | | 1130 | 0 | 560 |
| OG | | 1290 | 0 | 200 |
| TOTALS | | | 0 | 760 |
| DEC19 | PUT | | | |
| OG | | 1050 | 0 | 100 |
| OG | | 1065 | 0 | 200 |
| OG | | 1100 | 0 | 100 |
| TOTALS | | | 0 | 400 |
| SO CALL | | COMEX SILVER OPTIONS | | |
| JUL19 | CALL | | | |
| SO | | 1675 | 0 | 30 |
| TOTALS | | | 0 | 30 |
| SO PUT | | COMEX SILVER OPTIONS | | |
| JUL19 | PUT | | | |
| SO | | 1100 | 0 | 1336 |
| SO | | 1150 | 0 | 702 |
| SO | | 1675 | 0 | 30 |
| TOTALS | | | 0 | 2068 |
| HX CALL | | COMEX COPPER OPTIONS | | |
| AUG18 | CALL | | | |
| HX | | 310 | 0 | 200 |
| TOTALS | | | 0 | 200 |
| SEP18 | CALL | | | |
| HX | | 300 | 0 | 250 |
| HX | | 315 | 0 | 100 |
| HX | | 330 | 0 | 100 |
| TOTALS | | | 0 | 450 |
| OCT18 | CALL | | | |
| HX | | 300 | 0 | 100 |
| TOTALS | | | 0 | 100 |
| HX PUT | | COMEX COPPER OPTIONS | | |
| SEP18 | PUT | | | |
| HX | | 270 | 0 | 50 |
| HX | | 300 | 0 | 250 |
| TOTALS | | | 0 | 300 |
| OCT18 | PUT | | | |
| HX | | 300 | 0 | 100 |
| TOTALS | | | 0 | 100 |

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**FINAL**



FOR PRODUCTS THAT ARE TRADED IN BOTH REGULAR TRADING HOURS (RTH) AND ELECTRONIC TRADING HOURS (ETH) THE INFORMATION REPRESENTED ON THIS PAGE FOR OPENING RANGE, HIGH, LOW, CLOSING RANGE, SETTLEMENT PRICE AND VOLUME REPRESENTS RTH ACTIVITY ONLY. NOTE: LIFE OF CONTRACT HIGH AND LOW REPRESENTS BOTH RTH AND ETH. RTH VOLUME REFLECTS PIT TRADING, BLOCK TRADES AND CASH-FOR-FUTURES ONLY. ETH REPRESENTS GLOBEX VOLUME TRANSACTIONS FROM THE GLOBEX® ELECTRONIC SESSION ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, AND PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTION EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS THAT ARE ELIGIBLE TO TRADE, BUT ARE INACTIVE, DO NOT APPEAR IN THIS REPORT.
LEGEND: B=BID, A=ASK, N=NOMINAL, P=POST SETTLEMENT SESSION, #=NEW CONTRACT HIGH PRICE, *=NEW CONTRACT LOW PRICE, R=RECORD VOLUME OR OPEN INTEREST.
SETTLEMENT PRICES ARE DETERMINED BY CME RULE 813.

## FERTILIZER SWAP

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| DFL SWAP | | | | | | | | | | |
| JUL18 | ---- | ---- | ---- | ---- | 398.00 + 1 | ---- | ---- | 150 UNCH | ---- | ---- |
| AUG18 | ---- | ---- | ---- | ---- | 397.00 + 0 | ---- | ---- | 120 UNCH | ---- | ---- |
| SEP18 | ---- | ---- | ---- | ---- | 397.50 - 1 | 30 | ---- | 165 UNCH | ---- | ---- |
| OCT18 | ---- | ---- | ---- | ---- | 396.50 + UNCH | ---- | ---- | 30 UNCH | ---- | ---- |
| TOTAL DFL SWAP | | | | | | 30 | 0 | 465 | | |
| UFG SWAP | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | ---- | 260.50 + UNCH | ---- | ---- | 50 UNCH | ---- | ---- |
| TOTAL UFG SWAP | | | | | | 0 | 0 | 50 | | |
| UFN SWAP | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | ---- | 240.00 + 1 | ---- | ---- | 525 UNCH | ---- | ---- |
| JUL18 | ---- | ---- | ---- | ---- | 253.50 + 4 | 30 | ---- | 330 UNCH | ---- | ---- |
| AUG18 | ---- | ---- | ---- | ---- | 256.00 + 8 | 105 | ---- | 210 + 60 | ---- | ---- |
| SEP18 | ---- | ---- | ---- | ---- | 255.00 + 8 | ---- | ---- | 90 UNCH | ---- | ---- |
| OCT18 | ---- | ---- | ---- | ---- | 254.00 + 3 | ---- | ---- | 165 UNCH | ---- | ---- |
| NOV18 | ---- | ---- | ---- | ---- | 253.50 + 4 | ---- | ---- | 150 UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | ---- | 254.00 + 5 | 30 | ---- | 210 UNCH | ---- | ---- |
| JAN19 | ---- | ---- | ---- | ---- | 254.00 + 6 | 30 | ---- | 90 UNCH | ---- | ---- |
| FEB19 | ---- | ---- | ---- | ---- | 254.00 + 6 | ---- | ---- | 60 UNCH | ---- | ---- |
| MAR19 | ---- | ---- | ---- | ---- | 254.00 + 6 | ---- | ---- | 60 UNCH | ---- | ---- |
| TOTAL UFN SWAP | | | | | | 195 | 0 | 1890 + 60 | | |
| UFU SWAP | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | ---- | 169.50 + UNCH | ---- | ---- | 270 UNCH | ---- | ---- |
| JUL18 | ---- | ---- | ---- | ---- | 165.00 + UNCH | 15 | ---- | 75 UNCH | ---- | ---- |
| AUG18 | ---- | ---- | ---- | ---- | 161.50 + 0 | 45 | ---- | 390 - 30 | ---- | ---- |
| SEP18 | ---- | ---- | ---- | ---- | 162.00 + UNCH | 15 | ---- | 90 + 15 | ---- | ---- |
| OCT18 | ---- | ---- | ---- | ---- | 174.50 + UNCH | ---- | ---- | 75 UNCH | ---- | ---- |
| NOV18 | ---- | ---- | ---- | ---- | 174.50 + UNCH | ---- | ---- | 45 UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | ---- | 174.50 + UNCH | ---- | ---- | 45 UNCH | ---- | ---- |
| JAN19 | ---- | ---- | ---- | ---- | 178.00 + UNCH | ---- | ---- | 105 UNCH | ---- | ---- |
| FEB19 | ---- | ---- | ---- | ---- | 178.00 + UNCH | ---- | ---- | 105 UNCH | ---- | ---- |
| MAR19 | ---- | ---- | ---- | ---- | 178.00 + UNCH | ---- | ---- | 105 UNCH | ---- | ---- |
| TOTAL UFU SWAP | | | | | | 75 | 0 | 1305 - 15 | | |

## ADDITIONAL OTC SWAPs & FWDs

| | OPEN RANGE | HIGH | LOW | CLOSING RANGE | SETT. PRICE PT.CHGE | RTH VOLUME | GLOBEX® VOLUME | OPEN INTEREST | ----CONTRACT---- HIGH | LOW |
|---|---|---|---|---|---|---|---|---|---|---|
| CPC FUT | | | | | | | | | | |
| JUN18 | ---- | ---- | ---- | ---- | 583.00 + 1.25 | ---- | ---- | 2328 UNCH | ---- | ---- |
| JUL18 | ---- | ---- | ---- | ---- | 573.25 + 7.75 | ---- | ---- | 1620 UNCH | ---- | ---- |
| AUG18 | ---- | ---- | ---- | ---- | 573.25 + 8.00 | ---- | ---- | 1658 UNCH | ---- | ---- |
| SEP18 | ---- | ---- | ---- | ---- | 574.75 + 6.25 | ---- | ---- | 1690 UNCH | ---- | ---- |
| OCT18 | ---- | ---- | ---- | ---- | 581.25 + 6.25 | 40 | ---- | 1708 UNCH | ---- | ---- |
| NOV18 | ---- | ---- | ---- | ---- | 590.00 + 6.00 | 40 | ---- | 1708 UNCH | ---- | ---- |
| DEC18 | ---- | ---- | ---- | ---- | 599.50 + 6.00 | 40 | ---- | 1708 UNCH | ---- | ---- |
| JAN19 | ---- | ---- | ---- | ---- | 603.25 + 5.50 | 320 | ---- | 720 + 184 | ---- | ---- |
| FEB19 | ---- | ---- | ---- | ---- | 606.75 + 5.50 | 80 | ---- | 616 + 80 | ---- | ---- |
| MAR19 | ---- | ---- | ---- | ---- | 609.25 + 5.25 | 80 | ---- | 616 + 80 | ---- | ---- |
| APR19 | ---- | ---- | ---- | ---- | 610.00 + 5.25 | 80 | ---- | 536 + 80 | ---- | ---- |
| MAY19 | ---- | ---- | ---- | ---- | 610.00 + 5.25 | 80 | ---- | 536 + 80 | ---- | ---- |
| JUN19 | ---- | ---- | ---- | ---- | 610.25 + 5.00 | 80 | ---- | 536 + 80 | ---- | ---- |
| JUL19 | ---- | ---- | ---- | ---- | 610.50 + 5.25 | 120 | ---- | 880 + 120 | ---- | ---- |
| AUG19 | ---- | ---- | ---- | ---- | 611.00 + 5.25 | 120 | ---- | 880 + 120 | ---- | ---- |
| SEP19 | ---- | ---- | ---- | ---- | 611.25 + 5.00 | 120 | ---- | 880 + 120 | ---- | ---- |
| OCT19 | ---- | ---- | ---- | ---- | 616.75 + 4.75 | 120 | ---- | 880 + 120 | ---- | ---- |
| NOV19 | ---- | ---- | ---- | ---- | 622.50 + 5.00 | 120 | ---- | 880 + 120 | ---- | ---- |
| DEC19 | ---- | ---- | ---- | ---- | 621.75 + 4.75 | 120 | ---- | 880 + 120 | ---- | ---- |
| TOTAL CPC FUT | | | | | | 1560 | 0 | 21260 + 1304 | | |

## OTC SWAP FUTURES CONTRACTS LAST TRADE DATES

| EXPIRATION: | JAN07 | FEB07 | MAR07 | APR07 | MAY07 | JUN07 | JUL07 | AUG07 | SEP07 | OCT07 | NOV07 | DEC07 | JAN08 | FEB08 | MAR08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SYN CASH ETH F | | | | | | | | | | 01/01 | 01/01 | 01/01 | 01/01 | 01/01 | 01/01 |
| OTC FROST SEAS | | | | | | | | | | | | | | | |
| OTC FROST SWAP | | | | | | | | | | | | | | | |
| ETH FWD FUT | 01/31 | 02/28 | 03/30 | 04/30 | 05/31 | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/29 | 03/31 |
| ETH FWD CALLS | | | | | | | | | | | | | 01/31 | 02/29 | 03/31 |

| EXPIRATION: | JUN18 | JUL18 | AUG18 | SEP18 | OCT18 | NOV18 | DEC18 | JAN19 | FEB19 | MAR19 | APR19 | MAY19 | JUN19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CPC FUT | 06/29 | 07/31 | 08/31 | 09/28 | 10/31 | 11/30 | 12/31 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/28 |
| RRE SWAP | 06/29 | | | | | | | | | | | | |
| UFG SWAP | 06/28 | | | | | | | | | | | | |

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CLEARED OTC LONDON GOLD FORWARDS - Collateral Margined

| | |
|---|---|
| TRADE DATE | Jun 27, 2018 |
| DAILY MARKET VOLUME | 0 |
| AGGREGATE OPEN POSITIONS | 0 |

| | SETTLEMENT PRICE | CONTRACT DATE |
|---|---|---|
| SPOT | 1254.480 | 06/29/2018 |
| 1-WEEK | 1254.812 | 07/06/2018 |
| 2-WEEK | 1255.368 | 07/13/2018 |
| 1-MONTH | 1256.943 | 07/30/2018 |
| 3-MONTH | 1261.742 | 09/28/2018 |
| 6-MONTH | 1270.081 | 12/31/2018 |
| 9-MONTH | 1278.643 | 03/29/2019 |
| 1-YEAR | 1287.839 | 06/28/2019 |
| 2-YEAR | 1326.568 | 06/29/2020 |
| 3-YEAR | 1364.855 | 06/29/2021 |
| 4-YEAR | 1403.649 | 06/29/2022 |
| 5-YEAR | 1442.825 | 06/29/2023 |
| 7-YEAR | 1540.564 | 06/30/2025 |
| 10-YEAR | 1696.489 | 06/29/2028 |

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OTC FX FORWARD

| | SETT. PRICE | VOLUME* | | OPEN INTEREST* | |
|---|---|---|---|---|---|
| | | DEALT[1] | USD- EQUIV[2] | DEALT[1] | USD - EQUIV[2] |
| | | M | M | M | M |
| **TOTALS** | | **M** | **M** | **M** | **M** |

* EXCHANGE RATE = 1 (DEFAULT VALUE FOR USD DEALT)

* VOLUME AND OPEN INTEREST EXPRESSED IN NOTIONAL TERMS TO THE NEAREST 0.1 MILLION
1) DEALT REPRESENTS THE FIRST CURRENCY OF CURRENCY PAIR (i.e, USD OF USDCLP)
2) USD-EUQIV - DEALT VALUE * EXCHANGE RATE

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